LD1: Platform Overview & Navigation (7%)	LD3: Config Apps for Collaboration (20%)
☐ ServiceNow Platform Overview	MD3: Configure Applications for Business
☐ Modernized Work Experience	☐ Lists, Filters and Tags
Useful Resources	Filters / Context Menus / Tags
☐ Platform Capabilities & Services	☐ List and Form Anatomy
☐ ITSM Incident Management	☐ Lists Views
Service Operations Workspace	Workspaces
☐ Employee Center Portal	Forms
☐ The ServiceNow Instance	☐ Form Configuration
☐ Next Experience Unified Navigation	Form Design / Form Layout
☐ All Menu	☐ Advanced Form Configuration
Favorites / Pins	Choice / Reference Lists
☐ History	MD5: Enable Productivity
☐ Workspaces	☐ Reporting, Dashboard, Performance
☐ Elevation	Analytics
Impersonation	Reporting
LDO: Instance Configuration (440/)	Dashboards
LD2: Instance Configuration (11%)	☐ Performance Analytics
Personalizing / customizing the instance	☐ Tags
Configuration	☐ Form templates and saving options
Installing applications and plugins	Form Templates
☐ Users/Groups/Roles *	☐ Task Management
☐ Common user interfaces in the Platform	☐ Visual Task Boards (VTBs)
LD4: Self Service & Automation (20%)	Quick Messages *
☐ Knowledge Management	☐ Notifications
Architecture	☐ Sidebar *
User Criteria Workflows	☐ Integration Hub *
Service Catalog	☐ Automation Center *
☐ Flow Designer	☐ Predictive Intelligence *
☐ Virtual Agent	MD 6: Manage an Instance
- Virtual Agent	Performance Dashboard *
LD5: Database Management (27%)	System Diagnostics *
☐ Data Schema	☐ Instance Scan *
☐ Tables, Records and Fields	Checks / Suites / Findings / Cleanup
Relationships	Health Scan *
☐ Schema Map	☐ IT Adoption Journeys *
□ Application / Access Control	Upgrades and Releases *
☐ Importing Data	LD6: Data Migration and Integration (15%)
☐ CMDB and CSDM:	LD6: Data Migration and Integration (15%)
☐ CMDB	☐ Client Scripts *
☐ CSDM	☐ UI Policies
☐ Discovery / Service Mapping	☐ Business Rules
☐ Dependencies / View	System Update Sets
* Not specifically listed within <u>Exam Scope</u> but	ATF / App Engine Studio *
covered within SNAF course material and bonus labs.	contains Practice Tasks

### LD1: Platform Overview & Navigation (7%) → ServiceNow Platform Overview ♦ Modernized Work Experience Knowledge [Welcome to ServiceNow]: Know both the founder and the CEO of ServiceNow ◆ Founder: Bill Luddy ◆ CEO: Bill McDermott Understand the capabilities of the platform (single system of record, single data model, configurable, plug 'n play, etc.) ♦ IT Workflows, Customer Workflows, Creator Workflows, Employee Workflows ◆ The Next Experience (Unified Navigation) Now Mobile App Service Portal ◆ Employee Center Useful Resources Knowledge [Welcome to ServiceNow]: ☐ Know the 4 useful resources identified within this module: Now Learning, ServiceNow Community, Service Global Events, ServiceNow Developer Site → Platform Capabilities & Services **♦ ITSM Incident Management Particular of the Normal Service Service Now - The Modernized Work Experience:** ☐ How to navigate to an Incident from the **All** menu ◆ All > Incident > Create New ☐ Understand Incident Lifecycle (*States* from New -> Closed) New, In Progress, On Hold, Resolved, Closed, Canceled ☐ Familiar with Incident handling within Classic View ◆ Assigning fields, updating notes, viewing activity steam, etc. ☐ Understand Incident Assignment / Groups ◆ Assignment Group may be defined by the Service, or assigned manually Work notes are viewable only within the Task ◆ Additional Comments are viewable by the requestor ☐ Incident prioritization and handling based on *Impact & Urgency* fields Setting Impact and Urgency to 1 automatically sets Priority to 1 ■ Base understanding of Incident SLAs and why they exist Provides expected timing for ticket resolution based on Priority ☐ Related Lists section Based on how Related Lists are configured, this section shows other database elements that pertain to the current record (ex. SLAs, Cls, Child Incidents, etc.) **Practice Tasks** [SNAF Lab 1.2 - Create an Incident using classic lists and forms] ☐ Impersonate **Beth Anglin** ☐ Create a new Incident Assign an incident to individual and/or a group (or auto-assign) ☐ Add Notes / Comments ☐ Navigate to and access an in-progress incident through *My Group's Work* **Service Operations Workspace** 💡 Knowledge [SNAF Module 1 - ServiceNow - The Modernized Work Experience]: ☐ How to navigate to the workspace ♦ Workspaces in top header > click Service Operations Workspace ☐ Widgets on the dashboard and what they do; how to navigate within the workspace Incidents assigned, Incident SLAs, Unassigned incidents, Catalog tasks assigned

(either To Me, or To My Team with top-right select box)

<ul> <li>Click the star icon on contextual app pill, or add from various control menus</li> </ul>
☐ How to Pin and UnPin to content frame
<ul> <li>Click the tab in the header and then click the pin icon to pin menu to the left</li> </ul>
♦ History
Practice Tasks [SNAF Lab 1.2 - Create an Incident using classic lists and forms]
<ul><li>□ Be familiar with usage and understand which items will and will <b>not</b> appear here</li><li>→ Homepages, UI Pages</li></ul>
♦ Workspaces
Practice Tasks [SNAF Lab 1.3 - Work an Incident in Workspace view]
☐ Be familiar with accessing workspaces (ex. Service Operations Workspace)
<ul> <li>Workspaces in top header &gt; click Service Operations Workspace</li> </ul>
♦ Elevation
<b>Knowledge</b> [SNAF Module 1 - ServiceNow - The Modernized Work Experience]
How to perform elevation and how it is displayed
◆ Open User Menu > Elevate Role - displays as red border with up arrow
What options exist to elevate to and why you would use them
security_admin: allows you to manage Access Controls
worlpace_admin: allows you to manage workspace lists and categories
◆ Impersonation
How to perform impersonation and how it is displayed
Open <b>User Menu</b> > <b>Impersonate user</b> - displays as red border with eye icon
<ul><li>Which role(s) are required to perform impersonation</li><li>◆ admin or impersonator role</li></ul>
Know 3 recommended roles to create for testing impersonation
admin: have a test administrator setup separate from the main System Admin
ess: Employee Self-Service (allows testing as requester role)
★ itil: IT Infrastructure Library (allows testing as process user role)
System property required to log impersonations in the System Log
♦ glide.sys.log_impersonation
Practice Tasks [SNAF Lab 1.2 - Create an Incident using classic lists and forms]
☐ Impersonate another user

### LD2: Instance Configuration (11%) → Personalizing/Customizing the instance **♦** Configuration **Yes Knowledge** [SNAF Module 2.1] How to navigate to and tailor the Company logo ◆ All > System Properties > My Company ☐ How to navigate to and update the Company name ♦ All > User Administration > Companies How to navigate to and mark the instance with tab/context pill ◆ All > System Properties > System and update Browser tab title to DEV How activate and apply a different theme sys\_properties.list and update glide.ui.polaris.dark\_themes\_enabled to TRUE Practice Tasks [SNAF Lab 2.1 - Configure an Instance] ☐ Navigate to **System Properties** and update Company Logo ☐ Navigate to **User Administration/Organization** and update Company name ☐ Navigate to **System Properties** and update *Browser tab title* property Update system property to enable dark theme → Installing Applications and Plugins **Section 2.1 Knowledge** [SNAF Module 2.2 - Install Applications] How to navigate to and access System Applications ◆ All > System Applications > All Available Applications > All How to navigate to and access Plugins via System Definition ♦ All > System Definition > Plugins Understand Plugins concepts (demo data, roles required, related plugins) ♦ docs.servicenow.com to identify the Plugin required • Review Product Details Review View Dependencies and Licensing Requirements Demo data should **only** be installed in non-production instances Understand the concept of Application Scoping - what does it protect? restricts access to an application's files and data from other applications/services. Practice Tasks [SNAF Lab 2.2 - 2.3 - Locate application information and install Plugin] ☐ Use docs.servicenow.com to find desired application information Perform installation successfully, ensure demo data is loaded correctly → Users/Groups/Roles **Solution** Properties (SNAF Module 2.4 - Install Applications) ☐ The **5** Persona types and what each privilege is used for System Administrator: provides access to almost all roles except for HR and Security **Operations** Specialized Administrator. a user who manages specific applications (ex. HR, Knowledge Base) ◆ Process User: a user who has one or more roles and provides a specific function within the organization – typically would include **itil** and **approver\_user** roles ◆ *Approver*: user who has the ability to view/modify approvals but does not have any other roles Requester: user who has no other roles but still needs to be able to submit and manage their own requests ☐ What **User**s can do in the platform and the system table they have a record on ◆ An individual who has been granted access to the instance (sys\_user table) ☐ What **Groups** can do in the platform and the system table they have a record on Set of users that share a common purpose (sys\_user\_group table) ☐ What **Roles** are used for in the platform and the system table they have a record on Collection of permissions (sys\_user\_role table) ■ Where and how to modify Users / Groups / Roles

◆ All > User Administration > Groups◆ All > User Administration > Roles

◆ All > User Administration > Users

	<ul><li>All &gt; System Security &gt; Users and Groups &gt; Users</li></ul>	
	<ul><li>All &gt; System Security &gt; Users and Groups &gt; Groups</li></ul>	
	<ul> <li>Bring up a User or Group record and assign roles under the Roles tab</li> </ul>	
	<ul> <li>Alternative: All &gt; System Security &gt; Users and Groups &gt; Roles</li> </ul>	
	Role assignment and permissions hierarchy (roles within roles)	
	<ul> <li>Assigning a role will include the permissions of that role and any roles contained within</li> </ul>	
_	(ex. catalog_admin contains both user_crtieria_admin and catalog)	
Understand best practices for Role usage in the platform		
	<ul> <li>Roles should <b>not</b> be assigned to users. Instead, create a Group, assign the role to the Group and add the required Users to the created Group to give them the role(s)</li> </ul>	
	Add new User via System Security or User Administration modules	
	Update <b>Group</b> membership	
	Update Roles assigned to Group	
→ Common user interfa	ces in the platform	
	Ige [Welcome to ServiceNow]: (config covered in other modules)	
	Lists	
	Forms	
	Tasks	
	Dashboards	
	Reporting	
	Workspaces	
	Knowledge	
	Service Catalog	
	Virtual Agent	

### LD3: Config Apps for Collaboration (20%)

MD3: Configure Applications for Business

→ Lists, Filters and Tags

<b>♦</b>	Filters /	Context Menus /	Tags

iters / Contex	kt menus / rags
Knowled	ge [SNAF Module 3.1 - Create Classic List Views]
	How to access a <b>List</b> and what it represents in both Classic View / Workspace
	◆ List - displays a list of records from a table
	• can be found on WS landing pages, WS UX Lists or in CV application modules
	Classic List - Context Menus (3) and their usage
	List Control Menu - display options related to viewing and filtering the list
	<ul> <li>Column Options Menu - display options specific to that column (reporting, configuring, export, etc.)</li> </ul>
	<ul> <li>Record Context Menu - display options specific to that field (filtering, assigning, etc.)</li> </ul>
	Classic List - Filters / Quick Filters and their usage:
	<ul> <li>Click the show/hide filter icon to edit filter conditions</li> </ul>
	◆ There are also quick filter options in the above context menus
	Know the 3 components that make up a Filter Condition
	♦ Field, Operator, Value
	Classic List - Inline editing / editing multiple records (Shift key)
	<ul> <li>Hold down the Shift key to select multiple records, or use checkboxes</li> <li>To edit a single field on multiple list items, click column header and choose Update</li> </ul>
	Selected
	Classic List - Know the field right-quick Quick-edit functions (4) and how they appear
	♦ Assign to me
	◆ Assign Tag
	Approve (for records that use approvals)
	Reject (for records that use approvals)
	Classic List - Configure List Layout
	<ul> <li>Click Column Options Menu and choose Configure &gt; List Layout</li> <li>This brings up a List Collector which allows you to:</li> </ul>
	add/remove/reorder fields on the <b>Selected</b> list
	Change the list view, or create a new view
	Create a new field for the table
	List Collectors & Dot-Walking
	List collectors: allow you to add/remove/reorder fields for a List
	Dot-Walking: allows you to add fields from other related tables to the current view  Pala(a) required to a sufficience of light (add/spressed/spressed as palace) for all years.
	Role(s) required to configure a List (add/remove/reorder) for all users  personalize list
	Adding new applications or modules via <b>Application Menus</b>
	♦ All > System Definition > Application Menus
	Classic List - List Personalization
	<ul> <li>Click the Personalize List gear icon in the list column header to access</li> </ul>
	<ul> <li>Use the List Collector to add/remove/reorder columns for the individual user</li> </ul>
	Tags
E Dunation !	◆ Right-click a field and choose <b>Assign Tag &gt; New Tag</b> to tag a record
Practice	Tasks [SNAF Lab 3.1 - Create and use List View - Classic]
	Navigate to All > incident > All and select Configure>List Layout on existing List
	Create a new <b>View</b> and name it.
	Use List Collector and dot-walking to add/remove/reorder fields
	Save new View and verify it is visible from the List Context Menu
	Add a new Application Menu item and Save
	Add a new <b>Module</b> to display the new <b>List View</b> for the <b>Application</b> item created
	Set Visibility and *Link Type for new <b>Module</b> and verify new App/Module are visible in
	the All menu

	NAF Module 3.1 - Create Classic List Views]:
☐ Wha	t is a <b>View</b> and how you switch between them
•	▶ view: determines which fields to display and in what order
☐ How	to create a new View for a List
•	◆ Click Column Options Menu and choose Configure > List Layout, then
	under List View select New
☐ Wha	t are the default <b>Sort</b> controls if none are defined
•	order, number, name or [display field for the table]
	ware that there are <b>List Views</b> that are linked to Workspaces but need to be and in Classic View
•	Two examples are Service Operations Workspace / SOW Landing Page
♦ Workspaces	
<b>Variable Signal Signal Knowledge</b> [Signal Signal	NAF Module 3.2 - Create Workspace List Views]:
☐ Work	sspace List - Available options for viewing Lists (3)  ◆ Grid Mode, List Mode and Open List in New Tab
☐ Work	space List - Available context menus for <b>Lists</b> and what they do (3)
•	<ul> <li>Grab Icon: allows you to drag/drop columns to reorder them (Move Column)</li> <li>More Options Menu: group records that have the same values in a column (Filter Column)</li> </ul>
•	<ul> <li>More UI Actions icon: filter out records based on field values (Show Matching/Filter Out)</li> </ul>
☐ Work	space List - Components that make up a <b>List Filter</b> (3) and how to access it <b>Field, Operator, Value</b> - accessed by clicking the <b>show/hide filter</b> icon
☐ Work	<ul> <li>Aspace List - How to edit data, including multiple records</li> <li>Hold down the Shift key to select multiple records, or use checkboxes</li> <li>To edit a single field on multiple list items, click Edit (#) button make the change and click Update</li> </ul>
☐ Work	space List - System property required to enable inline editing  glide.lists.inline_editing_enabled
☐ Work	space List - How to configure a <b>List Layout</b> in a Workspace using Classic View  Same as configuring a non-workspace list: <b>Configure &gt; List Layout</b>
☐ Work	space List - Application used to add a new Category and UX List  UI Builder
☐ Work <b>Buil</b> d	space List - High-level steps (3) to configuring Categories and UX Lists in UI
•	2. Configure a List and Add to Category
	3. Make List Visible
☐ Work	space List - How to configure a <b>UX List</b>
•	Open UI Builder and select Service Operations Workspace
	Select:
	<ul> <li>List from Page Options,</li> <li>List nav from Content Panel and</li> </ul>
	Configuration in the Configuration Panel
	Open the correct List Menu Configuration record
	There will be tabs for UX List Categories and UX Lists under Related Links
	<ul> <li>Create or edit the Category and create or edit the List (just ensure that the</li> </ul>
_	List specifies the correct Category to match
☐ Work	★ Within UI Builder select M2M Applicability under View to bring up List
	Applicabilities.  Onen the desired record (or create a new one)
•	<ul> <li>Open the desired record (or create a new one)</li> <li>set Applicability to the desired one (for ex. SOW ITIL Audience)</li> </ul>
□ \\/orl	space List - List Personalization
U VVOIR	Click the List Actions icon and select Edit Columns
Practice Tasks	s [SNAF Lab 3.2 - Create and use List Views - Workspace]

☐ Update All > Incident > Open List View for SOW Landing Page by adding a new field

	Save the changes to the <b>View</b> and verify with impersonation visible in Workspace Update <b>All &gt; Incident &gt; Open</b> List View for <b>Service Operations Workspace</b> view Save the changes to the <b>View</b> and verify with impersonation visible in Workspace
	·
	Configure a new <b>UX List Category</b> using <b>UI Builder</b> for " <b>Default - SOW</b> " record
	Configure a new <b>UX List</b> using <b>UI Builder</b> for "Default - SOW" record
	Verify that the new Category and UX List are both visible in the Workspace list
	Create a new <b>List Applicability</b> and link it to an <b>Audience</b> using the <b>UX List</b> created above
	Verify desired <b>Audience</b> is able to view the <b>Category</b> and <b>UX List</b> as desired
	Be aware that there are <b>List Views</b> that are linked to Workspaces but need to be edited in Classic View (ex. Service Operations Workspace / SOW Landing Page)
◆ Forms	
💡 Knowled	ge [SNAF Module 3.3 - Add Fields to Forms]:
	How to access a <b>Form</b> and what it represents in both Classic View and Workspace  ◆ a <b>Form</b> displays fields from a single record
	The anatomy of a Form in both Classic View (CV) and Workspace (WS) View
	CV form displays the following information:
	• Fields
	Sections
	Activity Stream     Activity Stream     Activity Stream
	<ul><li>UI Actions (Related links)</li><li>Related lists</li></ul>
	◆ WS form displays the following information:
	Form fields are located under <i>Details</i> tab
	Form sections are grouped
	<ul> <li>Activity stream appears as an additional panel in the workspace</li> </ul>
→ Form Configuration	
◆ Form Design /	Form Layout
	ge [SNAF Module 3.3 - Add Fields to Forms]:
<ul> <li>☐ Know to select the correct View before configuring a Form</li> <li>◆ List Controls Menu &gt; View &gt; [desired view]</li> </ul>	
	Understanding of both Form Design and Form Layout configuration methods and
_	how to select them
	◆ Form Design is a more visual drag-and-drop type interface
	◆ Form Layout is shown as a standard List Collector interface with -split- and -end
	split- used to determine which fields appear in which columns
	<ul> <li>Either can be found by right-clicking the header (or context control menu) and selecting         Form Layout or Form Design respectively</li> </ul>
	Know what functionality is <u>not</u> available in a List Collector using <b>Form Design</b> ◆ dot-walking
	Form Layout - how to add a new Field
	◆ Add a new field using the <i>Create new field</i> dialog of the List Collector
	Form Layout - how to edit Related Lists and their relationship to the current record  → right-click the header and choose Configure > Related Lists or you can use the New and Edit buttons on the actual Related Lists section when viewing a record
	How to Personalize Form in both Classic View and in Workspace view
	◆ In Classic View, click the Personalize Form icon and check/uncheck as desired
	<ul> <li>In Workspace, under the Details tab, click the jump-to-section navigation icon and select Personalize Form</li> </ul>
	Know the system property to disable <b>Personalize Form</b> for the itil role  ◆ set glide.ui.personalize_form.role = admin
	Form Design - know what should be pre-selected prior to config
_	◆ Application Scope
	Form Design - main components of the form designer (3)  ◆ Page Header, Field Navigator, Form Layout
	Understand what Formatters are and where they are used in the platform

	• formatter: form element which displays information that is not a field in a record
<b>Practice</b>	Tasks [SNAF Lab 3.3 - Add Field to Form - Classic and Workspace]
	Configure > Form Layout on an Incident, ensure View is correct
	Update the List Collector to add / rearrange fields
	Save and verify the update went through as expected.
	Configure > Form Layout to edit the Workspace View for Service Operations Workspace
	Make the same change as above, verify view is updated in Workspace as expected
	Make the same change as above but to the Workspace View <b>Service Operations Workspace New Record</b>
	Verify when creating a new record that desired changes are visible.
Advanced Form Conf	
◆ Choice / Refer	
_	ge [SNAF Module 3.4 - Add Category and Reference Values]:
	Understand what a <b>Choice List</b> is and how to use <b>Show Choice List</b> and <b>Configure</b> Choices entires to sustain the list.
	<ul> <li>Choices options to customize the list</li> <li>♦ choice list: type of field that lets user select from a predefined set of choices</li> </ul>
	right-click the field label and choose Configure Choices
	<ul> <li>this brings up an interface that allows you to add/remove or create</li> </ul>
	new choices for that specific table
	right-click the field label and choose Show Choice List      this displays all Chaices available for the choose field agrees all.
	<ul> <li>this displays all Choices available for the chosen field across all tables of the same type (ex. Task)</li> </ul>
	Understand what a <b>Reference List</b> is and how to add new items or manage existing
	<ul> <li>reference list: type of field that lets user select from a value from referenced</li> </ul>
	records  • Click the magnifying glass icon next to the field to bring up the list
Practice	Tasks [SNAF Lab 3.4 - Add Category and Reference Values]
	Create a new <b>Group</b> to support a new <b>Service</b> and <b>Service Offering</b> for an Incident
	Use Configure Choices on a Form to add a new item to a Choice List for Service
	Create a new <b>Service</b> entry
	Create a child Service Offering under the Offerings tab
	Update the Support group and Change group fields to be the new group on the
	Service Offering record.
	Update the Support group and Change group fields to be the new group on the Service record as well.
	Impersonate an <b>itil</b> user and verify that the new <b>Service</b> and <b>Service Offering</b> are available in the relevant <b>Choice Lists</b> . Ensure as well that <i>Assignment Group</i> auto-populates with the new Group created.

## LD3: Config Apps for Collaboration (20%)

MD5

: Enable Productivity
·
Reporting, Dashboard, Performance Analytics
◆ Reporting
How to access <b>Reports</b> and the benefits of using them (what do they show)
→ All > Reports > View/Run
◆ Allows users to view and analyze ServiceNow data
<ul> <li>☐ Know the different types of Reports available and what they do (6 categories)</li> <li>◆ Bars, Pies and Donuts, Time Series, Multi-dimensional reports, Scores, Other</li> </ul>
<ul> <li></li></ul>
Know the 4 sections in the Report Designer and what they allow you to perform
◆ 1. Data: name the report and select source type/source
2. <b>Type</b> : choose the type of report (Pie, Bar, etc.)
3. Configure: grouping options/data calculations     4. Styles edited took of the report (select (second))
4. Style: adjust look of the report (colors/legend)
<ul> <li>✓ Know the 4 Save options for a Report</li> <li>1. Save: Update the report and stay there</li> </ul>
Departe the report and stay there     2. Update: Update the report and return to the report list
3. Insert: Save a duplicate copy of the report and return to the report list
<ul> <li>4. Insert and Stay: Save a duplicate copy of the report and remaining there</li> </ul>
Know the 5 options under the Sharing menu:
<ul> <li>1. Share - share the report, specify users/groups</li> </ul>
Schedule - set the report to generate at a specific date/time
3. Export to PDF - export a copy of the report to .PDF format
<ul> <li>◆ 4. Add to Dashboard - add the report to a Dashboard</li> <li>◆ 5. Publish - create a public URL to share a copy of the report to</li> </ul>
☐ Understand how to add a report to a <b>Dashboard</b>
can add from Dashboard view, or directly from the report via <b>Sharing</b> menu
Practice Tasks [SNAF Lab 5.1 - Create Reports and Dashboards]
☐ With an existing List of records displayed, generate a new <b>Report</b> in <b>Report Designer</b>
☐ Configure the <b>Report</b> using the <b>Data, Type, Configure</b> and <b>Style</b> sections and <b>Save</b>
Locate the report in <b>Reports &gt; View/Run</b> module and favorite it.
Re-open the report and set <b>Sharing</b> for the report for a user and/or groups.
<ul> <li>☐ Impersonate the relevant user and verify they are able to see the report.</li> <li>◆ Dashboards</li> </ul>
<b>Knowledge</b> [SNAF Module 5.1 - Create Reports and Dashboards]
<ul><li>☐ How to access a Dashboard</li><li>◆ All &gt; Self-Service &gt; Dashboards</li></ul>
<ul> <li>☐ How to share a Dashboard with specific users/groups</li> <li>◆ Click the Sharing menu and specify Groups, Users or Roles to Can View or Can Edit</li> </ul>
How to configure widgets within a Dashboard
<ul> <li>Click Add Widgets, choose the designer widget and click Add</li> </ul>
How to launch Interactive Analysis and awareness of it's features
while viewing a List of records, click the column options menu and choose Launch
Interactive Analysis
<ul> <li>Click the Filter Info icon to edit the Source Filter or get a Share link</li> <li>Click the Filters icon to further filter results</li> </ul>
☐ How to share the link to Interactive Analysis with other users

☐ Update **Dashboard** to share it with specific users/groups ☐ Impersonate the relevant user and verify they are able to see the dashboard.

♦ Click the **Filter Info** icon and copy the URL linked under SHARE

☐ Create a new **Dashboard** at **All > Self-Service > Dashboards**.

Practice Tasks [SNAF Lab 5.1 - Create Reports and Dashboards]

☐ Add the above **Report** to the **Dashboard** 

	Launch Interactive Analysis from a List from the Column Context menu to explore
	◆ Tags
	<b>Variable of the State of the </b>
	<ul> <li>☐ How to use Tags within a List (2 methods)</li> <li>right-click the record context menu and choose Assign Tag</li> </ul>
	◆ You could also add the <i>Tag</i> column and use in-line editing
	☐ How to use <b>Tags</b> within a <b>Form</b> (in both Classic & Workspace views)
	◆ Classic view: click More Options and choose Add Tag
	♦ Workspace view: click the tag icon next to the primary value to add/edit
	☐ Know the <b>3</b> options for the <b>Viewable by</b> field and the role required for <i>Everyone</i>
	<ul> <li>♦ Me, Groups and Users, Everyone</li> <li>♦ Performance Analytics</li> </ul>
	<b>♀ Knowledge</b> [SNAF Module 5.1 - Create Reports and Dashboards]
	☐ How to access <b>Performance Analytics</b> dashboard
	◆ All > Self-Service > Dashboards, choose ServiceNow Performance
	<ul> <li>Know that this provides information about performance over time (iteratively)</li> </ul>
	Know the base Performance Analytics architecture
	◆ Available <i>Graph Sets</i> :
	<ul> <li>AMB, Database, Instance View, MySQL Global Status, ServiceNow Servlet, Slow Pattern</li> </ul>
	◆ Can set item to monitor (instance), Timespan and do graph comparisons
	Some graphs can be filtered out of categorized results by clicking on them
	Understand the difference between standard Reporting and Performance Analytics
	Reporting generates a report about the current state (Where are we now?)
	<ul> <li>Performance Analytics is more about reviewing historic trends and</li> </ul>
	forecasting the future (Where have we been? and Where are we going?)
7	Form templates and saving options  • Form Templates
	<b>Variable Services Variable Services Variabl</b>
	☐ Know what a <b>Form Template</b> is and how to create one
	form template: allows form fields to be automatically populated, simplifying creating a
	new record
	<ul> <li>Create one by clicking More Options, choosing Toggle Template Bar (if not already visible) and then the + icon</li> </ul>
	Understand how to apply a <b>Form Template</b> to a form (ex. Incident)
	Apply one by clicking More Options, choosing Toggle Template Bar (if not already
	visible) and then click the name of the template you want to apply
	Understand which role grants the ability to create and/or share Form Templates
	◆ The role of template_editor_group needs to be added
	Practice Tasks [SNAF Lab 5.2 - Create Form Templates (*** bonus ***)]
	Open an Incident and create a new Form Template.
	Update the <b>Groups</b> field to reflect a specific group who should see/use the template
	Review fields on the template form and tailor them as desired
	Save the template and apply to the current record
	Impersonate the relevant user of a group and verify template is available to them.
	Grant the <b>template_editor_group</b> role to the above user and verify they can add and
	share new templates.
<b>→</b>	Task Management  **Property Company Co
	<ul> <li>☐ How to manage and assign Task-based records</li> <li>Tasks are assigned to Assignment Groups and once assigned to an individual, will</li> </ul>
	have an <i>Assigned to</i> filled in to reflect the User assigned
	Know how to access the My Work and the My Group's Work modules
	♦ All > Service Desk > My Work
	◆ All > Service Desk > My Group's Work

☐ Understand how **User Presence** aids in task completion and collaboration

		whether they are available, logged in or away
		Know how to identify fields recently updated by other users
		These will show with a pulse icon next to the field that has been updated
		Understand how to add Work Notes/Comments and review the Activity Stream
	_	<ul> <li>covered already in LD1 section above, under ITSM Incident Management</li> </ul>
<b>→</b>	Visual Task Boards (V	TBs)
	💡 Knowledg	pe [Welcome to ServiceNow]
		How to access a <b>Visual Task Board</b> (from <b>All</b> menu or <b>List</b> view) and how they work  ◆ On a List, click the <b>Column Options Menu &gt; Show Visual Task Board</b>
		<ul> <li>Know the 4 different sections within a VTB and what they are for</li> <li>♦ 1. Taskboard Tools: filter tasks, VTB info, add/view members, add or filter labels, show activity stream and config</li> <li>♦ 2. Quick Panel: active participants or assignees</li> <li>♦ 3. Lanes:categories</li> </ul>
		♦ 4. Cards: task records
		<ul> <li>Know the 2 types of VTBs supported and the difference between each</li> <li>1. free-form: use as a personal organizer, completely customizable</li> <li>2. data-driven: tied to data, cannot change titles on lanes</li> </ul>
<b>→</b>	Quick Messages	
		e [SNAF Module 5.3 - Enable Quick Messages (*** bonus ***)]
		Understand how to access and use the email client from within a Form  ◆ Click the More Options menu and choose Email
		Understand how to access and use the email client from within a Workspace  Click the More Options menu and choose Compose Email
		Know how to access Email Client Templates from <b>All</b> menu
		◆ All > Email Client > Email Client Templates
		Know how to access and create a Quick Message  ◆ All > Email Client > Quick Messages
		Know the various fields you can populate during creation and how to insert
		variables/data into the body of the message
		<ul> <li>Title, Active, Application, User, Group, Table, Conditions, Body</li> <li>standard syntax to reference field values: {table_name.variable_name}</li> </ul>
		Know how to insert a <b>Quick Message</b> into an email
		<ul> <li>Within the Email Client, use the Quick Message selector</li> <li>By default, content is inserted at the place of the cursor</li> </ul>
	Practice 1	Tasks [SNAF Lab 5.3 - Enable Quick Messages (*** bonus ***)]
		Add the email_client_quick_message_author role to desired User
		Impersonate the User and create a new Quick Message
		Add text for the quick message and use embedded variable names to use dynamic content based on the Record
	_	Save the Quick Message.
	_	Create a new record and insert the <b>Quick Message</b> in Workspace view
	_	Complete email, send and verify content with admin in System Mailboxes - Outbox
	_	Create a new record and insert the <b>Quick Message</b> in Classic view
	_	Complete email, send and verify content with admin in <b>System Mailboxes - Outbox</b>
<b>→</b>	Notifications	
	💡 Knowledg	e [SNAF Module 5.4 - Configure Notifications]
		Understand what a <b>Notification</b> is and what <b>three</b> methods can be used to send  • notification: a tool for alerting users when events that concern them have occurred
		through:
		<ul><li>1. Email</li><li>2. SMS</li></ul>
		3. Meeting Invitation
		Know All menu path to access Notifications
		◆ All > System Notifications > Email > Notifications

	<ul> <li></li></ul>
	Know the three steps to create an Email Layout and apply to a Notification
	◆ 1. Create Email Layout
	<ul> <li>2. Apply Layout to Template</li> </ul>
	◆ 3. Apply Template to Notification (What it will contain tab)
	☐ Know the <b>three</b> tabs required to create a <b>Notification</b>
	<ul><li>◆ 1. When to send</li><li>◆ 2. Who will receive</li></ul>
	◆ 3. What it will contain
	☐ Know <b>four</b> options available for <b>When to send</b>
	◆ 1. Record inserted or updated
	<ul><li>◆ 2. Event is fired</li></ul>
	◆ 3. Triggered  A. Serint (when in advanced view made)
	4. Script (when in advanced view mode)  Understand what Materiae art labels are used for and bout they are formatted.
	<ul> <li>Understand what Watermark labels are used for and how they are formatted</li> <li>◆ Used for: allows the platform to match incoming email to existing records.</li> </ul>
	If watermarks are omitted, inbound actions may not work properly.
	♦ Format: 31 characters:
	• 3 - customizable prefix
	<ul> <li>7 - source record identifier</li> <li>21 - underscore and random 20-char string</li> </ul>
	Practice Tasks [SNAF Lab 5.4 - Configure Notifications]
	Create a new <b>Notification</b>
	☐ Update When to Send tab to trigger based on certain parameters (ex. Priority = 1)
	Update Who will Receive tab to a user without hard-coding their name (dynamic)
	☐ Update What it will contain tab to detail the message, including variables
	Click <b>Preview</b> to verify everything looks correct, then save the <b>Notification</b> .
	☐ View all <b>Email Notifications</b> and add <i>Mandatory</i> and <i>Force Delivery</i> columns.
	Set both <i>Mandatory</i> and <i>Force Delivery</i> columns to <b>true</b>
	☐ Create a new record/trigger conditions to test the Notification was triggered as
•	expected in the <b>Outbox</b> Sidebar
	<b>§ Knowledge</b> [SNAF Module.4 - Configure Notifications]
	☐ Understand what <b>Sidebar</b> offers for functionality and collaboration
	Opens a real-time collaboration and discussion pertaining to a task-based or
	interaction-based record with other users.
	Know that Sidebar can have multiple docked windows, and shows User Presence
	Know Sidebar is only available in Tokyo or later releases
	Know that Sidebar messages can be added to the Activity Stream in a record
•	Integration Hub
	<b>Rnowledge</b> [SNAF Module 5.4 - Configure Notifications]
	☐ Basic overview of what Integration Hub is used for and the concept of spokes
•	Automation Center
	<b>Rnowledge</b> [SNAF Module 5.4 - Configure Notifications]
	Overview of the <b>Automation Center</b> and the benefits it provides (ex. RPA integration)
•	Predictive Intelligence
	§ Knowledge [SNAF Module 5.4 - Configure Notifications]
	Overview of what Predictive Intelligence is and how it improves efficiency and quality

### LD3: Config Apps for Collaboration (20%) MD6: Manage an Instance → Performance Dashboard 💡 Knowledge [SNAF Module 6.1 - Identify High Volume and Slowness Patterns] ☐ Understand the importance of Change Management and the basic stages involved Changes should be planned and must fit into pre-defined requirements including: Scheduling the change Understanding blackout windows Coordinating implementation with other changes to reduce conflicts Change requests move through a basic process which includes: Creation and Scope Approval Implementation Closure Understand how to access the Performance Dashboard ◆ All > Self-Service > Dashboards, choose ServiceNow Performance ◆ Available *Graph Sets*: AMB, Database, Instance View, MySQL Global Status, ServiceNow Servlet, Slow Pattern ◆ Can set item to monitor (instance), Timespan and do graph comparisons ♦ Some graphs can be filtered out of categorized results by clicking on them Practice Tasks [SNAF Lab 6.1 - Identify High Volume and Slowness Patterns] Open the Performance Dashboard ☐ Set the **Graph Set** to *Instance View* and **Timespan** to 30 days ☐ Look at **Transaction per minute** and **Response times** graphs, hover over data Set the Graph Set to ServiceNow Servlet and hover over data Using the data and filters at the bottom, identify the Network active threads → System Diagnostics ♀ Knowledge [SNAF Module 6.1 - Identify High Volume and Slowness Patterns] ☐ The **System Diagnostics** page is deprecated since **San Diego** release ☐ Know the **Stats Tools** availability and remember **stats.do!** → Instance Scan ◆ Checks / Suites / Findings / Cleanup **Yes Knowledge** [SNAF Module 6.2 - Monitor an Instance (\*\*\* bonus \*\*\*)] ☐ How to access Instance Scan from the All Menu (or Dashboards) ♠ All > Instance Scan > Dashboard ◆ Or find it under All > Self-Service > Dashboards ☐ Understand what **Checks** are and the **4** types that are available checks: singular focused roles that detect anomalies or opportunities in an instance • Table check • Column Type check Script Only check Linter Check ☐ Understand what **Check** scores of 100 and <100 indicate ♦ 100 indicates the check passed and there will be no record on the findings list <100 indicates that there are exceptions and there will be a record on the findings list</p> Understand the concept of Suites Suites: group of individual checks and suites associated together Understand what Results and Findings are and how they map to each other • result: result from performing the scan • finding: reference to a record that has violated a rule from a check Understand what the Table Cleanup option does

erases previous scan results

Practice Tasks [SNAF Lab 6.2 - Monitor and Troubleshoot Instance (\*\*\* bonus \*\*\*)]

Navigate to Instance Scan > Suites and select one to see the available Checks

	☐ Navigate to Instance Scan > Checks and click Execute Full Scan.
	Once completed, click Go To Result and review the scores on the Checks for any that are less than 100.
	☐ Click on the Scan Findings tab and select the relevant <100 <b>Check</b> to view details
	Read the <i>Description</i> and <i>Resolution</i> sections and take any necessary actions
	Investigate the Instance Scan dashboard and see any historic changes since the previous scan.
	Use docs.servicenow.com to find differences between Instance Scan and HealthScan and research Instance Troubleshooter as well
<b>→</b>	Health Scan
	<b>Variable 1 Variable 1 Variable 2 Variable 3 Variable 3 Variable 3 Variable 4 Variable 5 Variable 5 Variable 5 Variable 6 Var</b>
	Be aware that this tool exists and watch the Youtube <u>video</u> to learn more
7	IT Adoption Journeys  **Manufacture 15NAF Madula 6.3. Futurding Value
	Know how to access and be familiar with what <b>IT Adoption Journeys</b> provide
	<ul> <li>Under Admin in top header -&gt; IT Adoption Journeys</li> <li>Provides a central hub for admins to discover platform capabilities and discover new applications.</li> </ul>
	☐ Be aware of the <b>Business Objectives</b> and how to view <b>Adoption Blueprints</b>
<b>~</b>	Upgrades and Releases
	<b>Value</b> (*** bonus ***)] <b>Provided Set 1 Provided Set 2 Provided Set 3 Provided Set </b>
	☐ How to access <b>Release Notes</b> and <b>Upgrades</b> help
	◆ docs.servicenow.com > Release Notes and Upgrades section
	Know how to assemble and build custom Release Notes
	☐ Know what a <b>Family</b> is and the difference between <b>Upgrading</b> and <b>Updating</b>
	family: set of releases named after a major city (ex. Tokyo)
	<ul> <li>upgrading: act of moving to a release in a different family</li> </ul>
	<ul> <li>updating: act of moving from one patch/hotfix to another within the same family</li> </ul>
	Know the 7 Upgrade Phases and what they entail
	<ul> <li>1. Read release notes and plan upgrade</li> </ul>
	2. Prepare for the dev instance upgrade
	<ul> <li>3. Verify upgrade configurations and schedule the dev instance upgrade in ServiceNow support</li> </ul>
	4. Upgrade and validate the dev instance
	◆ 5. Upgrade and validate your other non-prod instances
	♦ 6. Prepare to upgrade the prod instance
	◆ 7. Upgrade the prod instance
	☐ Know how to access the <b>Upgrade Center</b>
	♦ All > Upgrade Center
	Know what is entailed to perform a <b>Rollback</b> and the available window for support
	<ul> <li>ServiceNow does <b>not</b> provide a universal rollback option</li> <li>Rollback window is 10 days by default, contact ServiceNow Support</li> </ul>
	Practice Tasks [SNAF Lab 6.3 - Locate Release and Upgrade Resources (*** bonus ***)]
	Go to docs.servicenow.com and find the Release notes and upgrades panel for
	your current version.
	Find and click the option to "Build your own release notes."
	Click on "Release note summaries."
	Select "highlights for all Tokyo features and products."
	Filter on Application or Feature.
	☐ Click the <b>Download</b> icon and choose <b>Save as PDF.</b>
	Bring up the Upgrade Planning Checklist and review the Prepare your Upgrade section

# LD4: Self Service and Automation (20%)

→ Knowledge Management

**♦** Architecture

💡 Knowled	ge [SNAF Module 4.1 - Knowledge Management]]:
	Understand what Knowledge Management is and how to access it  ◆ Knowledge Management: Allows users to create, categorize, review, approve and browse important information in a centralized location , divided into one or more knowledge bases
	♦ All > Self-Service > Knowledge
П	Know the <b>role</b> required to administer Knowledge Bases
	♦ knowledge_admin
	Be familiar with the <b>Guided Setup</b> for first-time setup of <b>Knowledge Mgmt</b>
	Know how to create a new Knowledge Base without Guided Setup  ◆ All > Knowledge > Administration > Knowledge Base
	Understand the architecture and organization of articles  ◆ Articles are organized into categories  ◆ Only one article can be associated to a Knowledge Base
	<ul> <li>Many categories can be associated to a Knowledge Base</li> </ul>
♦ User Criteria / \	
¥ Knowled	ge [SNAF Module 4.1 - Knowledge Management]:
	<ul> <li>What User Criteria is and how it is defined in the platform</li> <li>defines conditions that are evaluated against users to determine which users can create, read, write or retired knowledge articles</li> </ul>
	<ul> <li>Know the 4 basic outcomes when managing access through User Criteria records</li> <li>◆ 1. canRead</li> <li>◆ 2. cantRead</li> <li>◆ 3. canContribute</li> <li>◆ 4. cantContribute</li> </ul>
	Know the System Property used to ensure all logged in users have access to KBs.  • glide.knowman.block_access_with_no_user_criteria
	<ul> <li>Know the 6 Workflows available in baseline for publishing and retirement process as provided in training:</li> <li>◆ 1. Approval Publish</li> <li>◆ 2. Approval Retire</li> <li>◆ 3. Instant Publish</li> <li>◆ 4. Instant Retire</li> <li>◆ 5. Publish Knowledge</li> <li>◆ 6. Retire Knowledge</li> </ul>
	Know that there is functionality to import from <b>Word</b> into an article
	♦ All > Knowledge > Articles > Import from word into an article
☐ <b>Practice</b>	Be familiar with how to use Now Mobile to find <b>Knowledge</b> information  ◆ Use <b>All &gt; Now Mobile App &gt; Knowledge Bases</b> to see KBs visible in app <b>Tasks</b> [SNAF Lab 4.1 - Manage Knowledge Base and Create Articles (*** bonus ***)]
	Navigate to All > Knowledge > Administration > Knowledge Bases
	Create a new <b>Group</b> which will contain the individuals to be assigned the
	knowledge_admin role
	Add users to the group and assign both <b>knowledge_admin</b> and <b>approver_user</b> roles to the group
	Select a KB and change the <i>Owner</i> to relevant User.
	Change the <i>Publish Workflow</i> to <b>Knowledge - Approval Publish</b>
	Change the <i>Retire Workflow</i> to <b>Knowledge - Approval Retire</b> and <b>Save</b> .
]	
	Update the <i>CanContribute</i> tab to reflect the new group created above.
_	Impersonate a user without the <b>knowledge_admin</b> role and use them to create a new <b>Article</b> in the Knowledge Base (import a Word doc optionally to do it)
	Click <b>Publish</b> which will put the article into pending approval with KB Managers group

Impersonate KB Manager, navigate to AII > Self-Service > My Approvals and review article for accuracy and Approve	
Confirm the desired article is visible in the knowledge base.	
	Create a new <b>User Criteria</b> record and add it to the <i>Can Read</i> tab of the Knowledge Base and <b>Save</b> .
	Impersonate a user <u>not</u> relative to the <b>User Criteria</b> created and verify they are not able to read the article
	Impersonate a user related to the <b>User Criteria</b> created and verify they <u>are</u> able to see the article.
Service Catalog	des IONAT Madela de Octobre Octobre Venda
_	dge [SNAF Module 4.2 - Create a Catalog Item]:
	<ul> <li>Know what the Service Catalog is used for and how to access it</li> <li>◆ Service Catalog: Robust ordering system for services and products</li> <li>◆ Accessed at All &gt; Self-Service &gt; Service Catalog</li> </ul>
	<ul> <li>Know the roles required to manage a Service Catalog</li> <li>◆ catalog_admin</li> </ul>
	Know how to use the Catalog Builder
	<ul> <li>Catalog Builder: Create, edit and maintain catalog items (or record producers) using a visual and guided experience</li> <li>All &gt; Self-Service &gt; Service Catalog &gt; Catalog Builder</li> </ul>
	Understand Request Management and the resulting elements created
	<ul> <li>Once an order has been placed, these types of items will be created:</li> <li>REQ - Request, RITM - Request Item, SCTASK - Catalog Task</li> </ul>
	<ul> <li>Know how to access and edit Catalog Items and Variables</li> <li>◆ All &gt; Service Catalog &gt; Catalog Definitions &gt; Maintain Items</li> </ul>
	Understand all 5 major components of the Service Catalog  ◆ 1. Catalog Items  ◆ 2. Variables  ◆ 3. Variable Sets  ◆ 4. Record Producers  ◆ 5. Flows
	Know what a Record Producer is used for and specifically the type of record it is meant to produce  Record producer: simplified form that allows user to enter information that is
	translated into <b>Task</b> -based records  Know the benefit of using an <b>Order Guide</b>
	Order guide: provides the ability to order multiple, related items as a single request
	<ul> <li>Know table prefixes and system tables for Request, Request Item and Catalog Task</li> <li>◆ Request - REQ - sc_request</li> <li>◆ Request Item - RITM - sc_req_item</li> <li>◆ Catalog Task - SCTASK - sc_task</li> </ul>
	Know the 3 standard Flow stages for an item indicating the item's progress or state
	<ul> <li>Waiting for Approval, Request Approved, Completed</li> <li>Others within these 3 could be: Approved, Pending, Fulfillment, Deployment / Delivery</li> </ul>
	Understand how to create and use <b>User Criteria</b> to restrict access to catalog items  Apply a <b>User Criteria</b> record to either the item or category from the <b>item</b> , <b>category</b> or
Practice	user criteria form • Tasks [SNAF Lab 4.2 - Create a Catalog Item]
	Select a user and add him to the <b>Service Catalog</b> as an <i>Editor</i>
	Go to the user's account and add the <b>catalog_admin</b> role.
	Impersonate user and initiate the <b>Catalog Builder</b> using the standard template
	Populate forms as desired and be sure to add at least 3 questions, with 2 having multiple <b>Choices</b> to select from. (ex. Color / Size)
	Once at the <b>Review and Submit</b> page, Click <b>Preview</b> to confirm accuracy and <b>Submit</b> to finalize and add the catalog item.

☐ Navigate to All > Service Catalog > Catalog Definitions > Maintain Items

		Edit one of the Choices created above to have a higher price, ensure the item is set to <b>Active</b> and click <b>Try It</b> to verify.	
<b>→</b>	Flow Designer		
	<b>Variable 1 Variable 1 Variable 1 Variable 1 Variable 2 Variable 2 Variable 3 Variable 3 Variable 3 Variable 4 Variable 5 Var</b>		
		<ul> <li>Know what the Flow Designer is used for and how to access it</li> <li>◆ Flow Designer: Non-technical interface for building and enabling process automation capabilities, known as flows</li> <li>◆ All &gt; Process Automation &gt; Flow Designer</li> </ul>	
		<ul> <li>Know the 3 roles required to work with Flow Designer</li> <li>◆ 1. flow_designer</li> <li>◆ 2. flow_operator</li> <li>◆ 3. action_designer</li> </ul>	
		Be familiar with the Flow Diagram View and the 5 trigger types supported  1. Record triggers 2. Date triggers 3. Inbound email 4. Service Catalog 5. SLA Task	
		<ul> <li>Know the 4 main components of a Flow:</li> <li>◆ 1. Triggers</li> <li>◆ 2. Conditions</li> <li>◆ 3. Actions</li> <li>◆ 4. Data</li> </ul>	
		<ul> <li>Know the 3 types of Triggers:</li> <li> <ul> <li>1. Record-based triggers</li> <li>2. Date-based triggers</li> <li>3. Application-based triggers</li> </ul> </li> </ul>	
		Understand how you specify Conditions for each Trigger  Conditions: statements that determines when or how an action runs	
		Know the types of <b>Actions</b> available (especially <b>Service Core</b> actions)  • Ask for Approval, Create Record, Delete Record, Look up Record, Wait for Condition	
		Understand how to pull <b>Data</b> in using the <b>Data Pill Picker</b> icon (and dot-walking)	
	Practice	Know the basic concept and utility for the <b>Process Automation Designer</b> ◆ enables owners to author cross-enterprise workflows and create a single unified process  Tasks [SNAF Lab 4.3 - Create a Flow Designer Flow]	
	i ractice	Select a <b>Catalog Item</b> and personalize to add the Flow column	
		Review the selected Flow to understand the high-level actions.  Create a new Flow	
	ū	Add and define a <b>Trigger</b> for <i>Service Catalog</i>	
		Add multiple actions using Data where relevant (lab has you do the following:  • Update RITM Record to set State to Pending  • Create Catalog Task with desired Assignment Group and State to Open  • Send Email to Requested Item Record > Requested For > Email and CC the Requested Item Record > Requested For > Manager > Email  • populate subject/body as desired (ex. Add Requester First Name)  • Update RITM Record to set State to Closed Complete  • Update REQ Record to set State to Closed Complete	
		Save the Flow (optionally Test) and Activate it	
		Associate the created Flow to the selected <b>Catalog Item</b> by editing the <i>Process</i> Engine tab accordingly	
		Impersonate a self-service user to test order the selected <b>Catalog Item</b>	
		Step through the stages, impersonating required users as needed to complete stages where needed (approvals,etc.). Verify Flow works as desired, and check <b>Outbox</b> to verify if <b>Email</b> is involved.	

Nowledge [SNAF Module 4.3 - Flow Designer]:
<ul> <li>■ Know what the Virtual Agent does and what information it can access</li> <li>◆ Virtual Agent: conversational platform that helps users obtain information, make decisions and perform common working tasks within a messaging interface</li> </ul>
Know the 7 types of support tasks Virtual Agent can automate
◆ 1. Answering FAQs
<ul><li>2. Providing tutorial "how to" information</li></ul>
<ul> <li>3. Querying or updating records</li> </ul>
<ul> <li>4. Gathering data, such as attachments, for the agent</li> </ul>
◆ 5. Performing diagnostics
♦ 6. Resolving multi-step problems
♦ 7. Working with file attachments during live chat

#### LD5: Database Management (27%) → Data Schema ◆ Tables. Records and Fields 💡 Knowledge [SNAF Module 7.1 - Data Schema]: Know what 3 elements the Servicenow Infrastructure includes 1. Tables 2. Records 3. Fields Know how to access the System Dictionary and how records are identified ♠ All > System Definition > Dictionary Records are identified by a sys\_id Know how to access Tables & Columns ♦ All > System Definition > Tables & Columns ☐ Know the **3** key attributes for a **field** ◆ 1. Name 2. Label 3. Value reference field: stores a sys id of a record on another table which is what established the reference relationship • (ex. Caller is a reference to a record on User table) Relationships 💡 Knowledge [SNAF Module 7.1 - Data Schema]: Know all 4 forms of Table Relationships 1. One-to-many 2. Many-to-many 3. Database View 4. Extensions Know the 3 One-to-many relationship fields ◆ Reference Glide List Document ID Know Table Parent and Child Relationships, and how inheritance works • Child: extends from the parent table and inherits all fields ◆ Parent: the table from which the child is extended from Understand what Base tables are and Core vs. Custom tables ◆ Base: table that can have child relationships, but no parent relationships Core: table that exists in the the ServiceNow base system and can have both parent and child relationships ◆ Custom: tables that are created by admins or developers Know the namespace identifiers that prefix new tables Unscoped (global) application: \_u Scoped application: \_x Schema Map 💡 Knowledge [SNAF Module 7.1 - Data Schema]: ☐ Know how to access the **Schema Map** and how to read the table relationships shown ♦ 1. All > System Definition > Tables 2. Open desired table, scroll down to Related Links ♦ 3. Select Show Schema Map Practice Tasks [SNAF Lab 7.1 - Create Table for HHD Configuration Records] ☐ Create a new **Table** in **Global Scope**: Label: Holographic Handheld HHD Name: u\_cmdb\_ci\_hardware\_hhd ◆ Extends table: cmdb ci hardware. Add module to menu: HHD

◆ **Submit** to complete creation.

Configure the HHD Module's list of records with desired columns (make the view

unique by adding/removing columns, create a new field, etc.)

	Click <b>New</b> to display a new record form and select <b>Configure &gt; Form Layout</b> to build
	a new form that will use the new Table
	Update the <b>Application Menu</b> to create a new Module::
	<ul><li>◆ Link Type: New Record</li><li>◆ Table: u_cmdb_ci_hardware_hhd</li></ul>
	◆ Title: Create New
	◆ Application Menu: HHD
	♦ Order. 100
	◆ click <b>Submit</b> to complete
	Submit a new record to test the new <b>HHD</b> Module, verify data flows to new table
→ Application / Access (	·
◆ Access Contro	
	ge [SNAF Module 7.2 - Application/Access Control]:
	Know the <b>3</b> levels of security before an end user can perform CRUD table operations
_	◆ 1. User Authentication (Users/Groups/Roles)
	<ul> <li>2. Application/Modules access (Roles)</li> </ul>
_	◆ 3. Database access (Tables, Global System Properties, Access Control Rules)
	Know the 3 security modules typically used by the System Administrator
	◆ 1. All > System Properties > Security
	<ul> <li>◆ 2. All &gt; System Security &gt; Access Control (ACL)</li> <li>◆ 3. All &gt; System Security &gt; High Security Settings</li> </ul>
	Understand what an <b>Access Control</b> is and how it can be set
	• access control: security rule defined to restrict the permissions of a user from viewing
	and interacting with data
	<ul> <li>can be set at row-level (record) or column-level (field)</li> </ul>
	Know how to navigate to and manage the <b>Access Control List</b> , which role is required
	◆ All > System Security > Access Control (ACL)
_	◆ requires security_admin role
	Know what 3 elements defines an Access Control
	♦ 1. Operation
	<ul><li>◆ 2. Object</li><li>◆ 3. Permissions</li></ul>
	Know how to view <b>Access Controls</b> for a table
	Type .config into Filter Navigator, view Access Controls tab
П	Know what <b>4 Access Controls</b> get generated by default when custom table is created
	♦ 1. Create access control
	◆ 2. Read access control
	◆ 3. Write access control
	4. Delete access control
	Also, a role is created by default and associated with the access control rules
	Know the different <b>Rule Types</b> for Access Controls (.none, .field, and .*) and how
	they work together to limit access (house analogy provided is helpful) <b>table.</b> –none–: applies to whole table (whole house)
	◆ table.field: applies to a specific field (room in a house)
	◆ table.*: applies to a all fields without a table.field rule (all other rooms not defined by a
	house.field rules)
	Understand best practices for writing ACLs in terms of granting/denying access
	♦ When creating .* access controls, also create a -none- access control, because only
	-none- grants access to records  ♣ To meetly grant access use _none
	<ul> <li>To mostly grant access, use -none-</li> <li>To mostly deny access, use -none- and .*</li> </ul>
	Know the order <b>ACL rules</b> are processed
	1. Match object against table ACL rules - most specific to most general
	2. Match object against field ACL rules - most specific to most general
<b> ⊘</b> Practice '	Tasks [SNAF Lab 7.2 - Create Access Controls]
	(Section 1: Provide Application Menu and Module Access)
	Navigate to <b>Roles</b> and verify new role for <b>u_holographic_handheld_hhd_user</b>

 $\hfill \Box$  Edit the **HHD Application**; remove itil and add the new role above

☐ Ensure that all Modules also have just this one role as well to limit visibility/access ☐ Navigate to the <b>Role</b> and verify you see both the Application and Modules associated
(Section 2: Grant Roles to Support Groups)
Add the new role to <b>Service Desk</b> group record and to the <b>Training Technology</b>
Support Group) (Section 3: Test the Visibility Settings)
☐ Impersonate <b>Bernard Laboy</b> and verify they are not able to see the application or
modules as desired
☐ Impersonate <b>Annette Frietas</b> and verify they ARE able to view and access both
application and modules, and can complete a new form submission for <b>HHD</b>
(Section 5: Establish Access Control Rules for Incident)
☐ Elevate to security_admin to gain permission to manage Access Controls
☐ Navigate to All > System Security > Access Control (ACL) and create 3 access
controls:
◆ Operation: read
Admin overrides: select the check box
<ul> <li>Active: select the check box</li> </ul>
<ul><li>Name: Incident [incident]</li></ul>
<ul> <li>Description: u_holographic_handheld_hhd_user role required to</li> </ul>
read HHD incident records
Add filter condition: Service Offering   is   Infinity (HHD)
♦ Operation: write
<ul> <li>Description: u_holographic_handheld_hhd_user role required to write HHD incident records</li> </ul>
Role: u_holographic_handheld_hhd_user
◆ Operation: create
Description: u_holographic_handheld_hhd_user role required to
create HHD incident records
<ul> <li>Role: u_holographic_handheld_hhd_user</li> </ul>
☐ Search for all *incident at All > System Security > Access Control (ACL)
☐ Update the incident ACL with description: "itil role required to read incident records":
Description: itil role required to read incident records, except for Service
Offering Infinity (HHD)
◆ Add filter condition: Service Offering   is NOT   Infinity (HHD)
Update the incident ACL with description: "Allow read for records in incident":
◆ Description: Allow read for records in incident, for users with
sn_incident_read, except for incidents for Service Offering Infinity (HHD)
◆ Add filter condition: Service Offering   is NOT   Infinity (HHD)  (Section 7: Verify Access Control Rule for Incident read and write)
Impersonate <b>Bernard Laboy</b> and verify he sees a security constraint message at <b>All</b>
> Incident > Open equal to the number of Infinity (HHD) incidents removed
☐ Impersonate <b>Beth Anglin</b> and verify she sees and can update all HHD incidents.
(Section 8: Create an Access Control Rule for Asset Tag write)
☐ Create a new Role "u_hhd_asset_tagger" (ensure Global scope):
☐ Navigate back to All > System Security > Access Control (ACL) and filter the list to
find the four <b>u_cmdb_ci_hardware_hhd</b> rules
Locate and open the <b>write</b> rule, select <b>Asset Tag</b> in the <i>Name</i> fields drop-down and
select Insert and Stay
☐ Click past the <b>Verify Security Rules</b> window and add the <b>u_hhd_asset_tagger</b> role
☐ Click <b>Save</b> and <b>Update</b> . Verify the new <b>ACL</b> for
u_cmdb_ci_hardware_hhd.asset_tag has been added in the list
(Section 9: Grant the role for Updating Asset Tags)
☐ Create a new <b>Group</b> :  ◆ Group Name: <b>HHD Asset Taggers</b>
+ 0.000

♦ Role: u\_hhd\_asset\_tagger

	♦ User: Annette Frietas
	(Section 10: Test the Asset Tag Settings)
	Impersonate <b>Beth Anglin</b> and verify <i>Asset Tag</i> is read only on a new record
Lorenza estima e Data	Impersonate <b>Annette Frietas</b> and verify <i>Asset Tag</i> is writable on a new record
Importing Data	sto / Immort Tobio
· _	ets / Import Table dge [SNAF Module 7.3 - Import Data]:
* Kilowiec	Know what an <b>Import Set</b> is and the roles needed to manage them
	<ul> <li>Import Set: tool used to import data from various data sources, and map that data into ServiceNow tables</li> </ul>
	<ul> <li>Know what possible 5 Data Sources are supported</li> <li>◆ CSV, XML, Excel, JBDC, HTTP/FTP</li> </ul>
	Know what the <b>Import Set Table</b> and <b>Transform Maps</b> do
	<ul> <li>Import Set Table: acts as a staging area for imported records</li> <li>Transform Map: provides a guide for moving data from Import Set tables to "Target" tables</li> </ul>
	Be familiar with the Automatic Mapping Utility and the Mapping Assist Utility  ◆ Automatic Mapping Utility: simplest mapping method where all the field names of the Import Set match the name of the fields on the Target table  ◆ Mapping Assist Utility: provides a visually intuitive environment for specifying mapping between Import Set fields and Target table fields
	<ul> <li>Understand why you would use Coalesce and how it functions as a unique key</li> <li>Coalesce: allows you to specify a field as a unique key, meaning that an existing record will be updated as opposed to inserting and potentially creating duplicate records</li> </ul>
	<ul> <li>Know the 3 available Coalesce configurations</li> <li>◆ 1. Single-field</li> <li>◆ 2. Multiple field</li> <li>◆ 3. Conditional (based on a script returning sys_id of the target table record)</li> </ul>
Practice	Tasks [SNAF Lab 7.3 - Import Data] (Section 1: Initial Data Load)
	Go to All > HHD > HHDs and Assignees and make a new View "Import Validation"
	Open the new View and ensure that fields are ordered and match import excel file
	Navigate to All > System Import Sets > Load Data, complete form: <ul> <li>Import set table: Create table (auto-selected)</li> <li>Label: HHD Imports</li> <li>Name: u_hhd_imports (automatically populates)</li> </ul>
	Source of the import: File (auto-selected)
	◆ File: [choose Excel file infinity_HHD-data.xlsx]
	Click <b>Submit</b> and verify correct number of inserted records (should be <b>7</b> )
	Click the <b>Loaded Data</b> link under <i>Next Steps</i> and confirm all have <i>State</i> <b>Pending</b>
	<ul> <li>Navigate to All &gt; System Import Sets &gt; Create Transform Map, complete form:</li> <li>♦ Name: HHD Cls</li> <li>♦ Source table: HHD Imports [u_hhd_imports]</li> <li>♦ Target table: Holographic Handheld HHD [u_cmdb_ci_hardware_hhd]</li> </ul>
	Save, then click Auto Map Matching Fields under Related Links section
	Verify <b>2</b> fields are auto mapped: <b>Name</b> and <b>Asset Tag</b>
	Select Mapping Assist under Related Links section and drag-drop into Fleld Map:  Asset Tag   Asset tag  Name   Name  Device Number   Serial Number  Device Owner   Assigned to  Device Version   Firmware version
_	Owner Location   Location
l I	Click <b>Save</b> and verify there are now 6 manned fields

	Click <b>Transform</b> and check the <b>Import Validation</b> view displays <b>7</b> records  (Section 2: Incremental Data Load)
	Navigate to All > System Import Sets > Load Data. Complete the form:
	♦ Import Set Table: Existing table radio button
	◆ Source of the import: File (auto-selected)
	◆ File: [choose Excel file infinity_HHD-updates.xlsx]
	Click <b>Submit</b> and verify correct number of inserted records (should be <b>19</b> )
	Navigate to All > System Import Sets > Administration > Transform Maps
	Open the <b>HHD CIs</b> transform map and set <i>Coalesce</i> to <b>True</b> for <b>u_device_number</b>
	Under Related Links select the <b>Transform</b> link.
	Verify correct settings for <i>import set</i> and <i>selected maps</i> , then click <b>Transform</b> .
	Bring up the <b>HHDs and Assignees</b> list and verify <b>19</b> total records exist
	◆ Additionally, ensure that the <i>Updated</i> field correctly shows based on whether
	they existed in the initial import or are newer based on existing in the update
	import (Section 3: Glean Universal Set Tables)
	(Section 3: Clean Up Import Set Tables)  Navigate to All > System Import Sets > Import Set Tables > Cleanup and complete:
	◆ Delete these tables: HHD Imports [u_hhd_imports]
	Delete related transform maps: unchecked
	◆ Delete data only (preserve table structure): selected
	Click <b>Cleanup</b> . Ensure you get a completed verification message and review the log.
CMDB and CSDM	
◆ CMDB	
_	ge [SNAF Module 7.4 - CMDB]:
Ш	Know what the <b>CMDB</b> is, <b>CIs</b> and the <b>3 key system tables</b> pertaining to CMDB
	◆ CMDB: Configuration Management DataBase  ■ 1. cmdb
	• 2. cmdb_ci
	3. cmdb_rel_ci
	Know how to access the <b>CMDB Workspace</b> and the information you can view there
	<ul> <li>Click Workspaces on top header and select CMDB Workspace</li> <li>Allows you search and explore the CMDB, examine health and recent activity and</li> </ul>
	access various CMDB dashboards and tools to support tasks in the organization
	Know what the <b>Configuration Item</b> form look like
_	<ul> <li>divided into CI Attributes and Relationships</li> </ul>
_	◆ Can switch between <b>Dashboard</b> and <b>Form</b> view
	Familiarize with using the CI Class Manager and how to access it
	♦ All > Configuration > Cl Class Manager
	Know the <b>3 Cl Class Manager</b> Attributes tabs and what they filter  ◆ 1. <b>All</b> - all attributes
	2. <b>Derived</b> - all attributes derived from parent classes
	<ul> <li>3. Added - all attributes that have been created specifically for the CI Class</li> </ul>
	Know how to access the CI Relationship Editor
To Dun attend	◆ accessed from the <i>Related Items</i> toolbar  Table 180455 feet 7.4 a. 5 m/s as B. (a. 84 meters) 64455 and 64 Balatians binst
Practice	Tasks [SNAF Lab 7.4 - Explore Data Structures, CMDB and CI Relationships] (Section 1: Explore Data Structures)
П	Go to All > System Definition > Tables and search for the HR Case table.
	Click Show Schema Map under Related Links. Verify HR Case extends from Task
	Show Schema Map for Holographic Handheld HHD table, see extension from
	multiple CMDB tables
	(Section 2: Explore CI Class Manager - CMDB, CIs, and Relationships)
	Navigate to All > Configuration > Cl Class Manager, click Open Hierarchy and
	select the <b>Service</b> class. <b>Pin</b> it.
	Search for Holographic Handheld HHD class. Pin it.

		Search for and select <b>Training</b> . Under <b>Related Items</b> click <b>Dependency Views</b> icon to view the <b>dependency map</b> .  (Section 3: Create New Relationship)
		Navigate to CI Class Manager and select your pinned Holographic Handheld HHD.  Navigate to Suggested Relationships.
		Navigate to All > Configuration > Service Offerings. Select Infinity (HHD).
	_	Click + on Related Items to access the Relationship Editor.
		From Available Relationships choose Runs on and remove the filter condition for Class. Click Run Filter.
		Search <b>Infinity</b> devices in the <i>Available CIs</i> list then select and move them over to the "Runs on" section.
		<b>Save</b> and confirm the additions show up in the Service Offering relationships section. (Section 5: View Relationship from HHD CI Record)
		Go to the Holographic Handheld HHD CI in CI Class Manager.
		Edit the form to show Legacy CI Relations below Comments. Verify you are seeing
		the relationships. (Section 6: Verify the Ability to use the CIs in the Incident Form (Classic)
		Create a new Incident:  ◆ Caller: Jon Floyd
		♦ Service: Training
		◆ Service Offering: Infinity HHD
		<ul> <li>Configuration Item: Type Infinity and press the magnifier to look at the list.</li> <li>Pick the one that belongs to Jon.</li> </ul>
		♦ Pilot: checked
		◆ Short Description: Device fails to cast images.
•	CSDM	Save and click on the Tree icon next to Service to view the hierarchy.
•		lge [SNAF Module 7.4 - CMDB]:
		Understand what the CSDM model is
		A set of terms and conditions governing a CMDB-based framework
		Understand what the model defines, what it doesn't and what the benefits are  ◆ What it is: standard terms and definitions, best practice for CMDB Data, OOTB CMDB core tables, guidance on service modeling, recommended mappings  ◆ What it is not: a process or implementation guide for ITSM, SPM, APM, EM or Other
		<ul> <li>products, not a set of reports, not code to install, not a SKU or product to buy, Not an automatic fix for past implementations</li> <li>Benefits: consistently modeled service offerings, consistent use of service across applications, less overhead when maintaining services, product dependencies on</li> </ul>
•	Discovery / Se	CSDM tables
•		ervice Mapping  Ige [SNAF Module 7.4 - CMDB]:
		Understand how <b>Discovery</b> works and how it finds devices and attributes on your
		<ul> <li>Discovery: scans the network to inventory devices and applications and updates the CMDB with the results for each unique type of software and hardware</li> </ul>
		Understand how <b>Service Mapping</b> works and how it maps service-specific dependencies
		<ul> <li>Service Mapping: augments the CMDB with IT relationships and dependencies between CIs to model the IT components that comprise a Service</li> </ul>
		Understand the difference between top-down mapping and horizontal discovery  ◆ Top-down mapping: overlays service maps onto existing configuration data to connect CIs underlying a given service

 Horizontal mapping: creates an inventory of all devices and applications, but does not show how they are connected or dependent on each other

Depe	ndency	View
------	--------	------

Se Se	Knowledg	ar	SNAF	Module	74-	<b>CMDB</b>	<b>1</b> -
	ILLIONICAL	10		module		CIVIDD	

☐ Understand how the **Dependency View** depicts upstream and downstream relationships and the benefits of enhancing delivery of operational Incident, Change and Problem management process

### LD6: Data Migration and Integration (15%) → Client Scripts 💡 Knowledge [SNAF Module 8.1 - UI Policies and Business Rules]: Know what a client script is used for and the 4 types of scripts supported client script: makes real-time changes to the appearance of the user interface, especially forms 1. onCellEdit() 2. onChange() 3. onLoad() 4. onSubmit() → UI Policies UI Policy and UI Policy Actions 💡 Knowledge [SNAF Module 8.1 - UI Policies and Business Rules]: Know what language scripting in ServiceNow is performed in JavaScript Understand difference between executing script client or server side client-side: web browser ♦ server-side: ServiceNow database Understand what a UI Policy is ♦ UI Policy: a rule that applied to a form to dynamically change information or the form Know the 3 UI Policy Actions you can use with a UI Policy ◆ 1. Mandatory or Optional 2. Hidden or Visible 3. Read-only or Editable Know what a Data Policy is and how it contrasts to a UI Policy Data Policy: rule that enforces data consistency by setting fields as mandatory and/or ◆ UI Policies are only enforced on data entered into a form whereas Data Policies are enforced on all data entered into the platform ☐ Know that **UI Actions** can be executed either **server** or **client side** ♦ This is dependent on whether or not the *client* checkbox is selected Be familiar with the 7 typical UI Actions available Form buttons Form context menus Form links List buttons List context menus List choices List links Practice Tasks [SNAF Lab 8.1 - Create a UI Policy and Business Rules] (Section 1: Prepare Forms) ☐ Add Contact to top-right of new Company form (User Administration > Companies) Add **Manufacturer** to **Service Offering** under *Vendor* Prepare Incident form: Create a new field for Escalate to manufacturer ◆ Add the **Escalate to manufacturer** field to the **Incident** table (true/false) ◆ Add the **Escalate to manufacturer** field to the **Incident** form, under the Assigned to field Add Manufacturer contact field under Escalate to manufacturer field: ♦ Name: manufacturer contact ◆ Type: reference Table: user (Section 2: Prepare Data) Create a Test Contact user record: ◆ User ID: Test Contact

◆ First name: Test◆ Last name: Contact

		◆ Email: test.contact@test.com
		Create a Company record for Infinity Products, Inc. with Contact as Test Contact
		On the Infinity (HHD) Service Offering, add Infinity Products, Inc. as the Manufacturer
		(Section 3: Create UI Policy)  Create a New Incident and select Configure > UI Policies. Create New as follows:
		<ul> <li>◆ Table: Incident [incident] (already selected)</li> <li>◆ Short description: Display escalate to manufacturer for Infinity (HHD) service offerings when Priority = 1-Critical</li> <li>◆ Add Filter condition: Priority   is   1-Critical AND</li> <li>◆ Add Filter condition: Service Offering   is   Infinity (HHD)</li> <li>◆ On load: checked</li> <li>◆ Reverse if false: checked</li> </ul>
	П	Save the UI Policy record.
		(Section 4: Create UI Policy Actions)
		Create a new UI Policy Action:
		Create another new UI Policy Action:
		Verify by creating a new Incident with <i>Impact</i> and <i>Urgency</i> at <b>High</b> to update <i>Priority</i> to <b>1-Critical</b> . Both fields should display per the <b>UI Policy</b> that was created.
. D : D !		Verify also that by changing <i>Impact</i> to <b>Medium</b> to remove the <b>Priority 1</b> condition you should see both fields disappear from the form.
→ Business Rules	ulod	go ISNAE Modulo 8.1. III Policies and Rusiness Bulosi:
¥ KIIOV	vieu	ge [SNAF Module 8.1 - UI Policies and Business Rules]:  Know what a Business Rule and the 4 settings for When it can be executed
		<ul> <li>♣ Business Rule: Configured to run when a record is displayed, inserted, updated, deleted or when a table is queried</li> <li>♠ 1. Table to run against</li> <li>♠ 2. Timing of execution (When to run)</li> <li>♠ 3. Conditions to evaluate (IWhen to run)</li> <li>♠ 4. Actions to run</li> <li>Know what Catalog UI Policies can do and their 3 options for When to Run</li> <li>♠ Catalog UI Policy: type of UI Policy applied to a Catalog Item form</li> <li>♠ 1. onLoad()</li> </ul>
		<ul><li>2. onChange()</li><li>3. onSubmit()</li></ul>
Prac	tice	Tasks [SNAF Lab 8.1 - Create a UI Policy and Business Rules] (Section 6: Create Business Rules)
		Configure a new Business Rule on any incident record:  \( \times \) Name: Escalate to Manufacturer reminder  \( \times \) Table: Incident [incident]  \( \times \) Add Filter condition: Service Offering   is   Infinity (HHD) AND  \( \times \) Add Filter condition: Escalate to Manufacturer   is   True  \( \times \) Insert: checked  \( \times \) Update: checked
		Under the Actions tab click Add Message and type: "Reminder: to escalate to
		manufacturer, send mail to Manufacturer contact." Click Submit.
		Create another new Business Rule:  ◆ Name: Populate manufacturer contact name  ◆ Table: Incident [incident]

♦ Add Filter condition: Service Offering | is | Infinity (HHD) AND

		<ul> <li>◆ Add Filter condition: Priority   is   1-Critical</li> <li>◆ Insert: checked</li> </ul>
		◆ Update: checked
		Under the Actions tab, set:
	_	♦ Set Field Values: Manufacturer contact   Same as   Service
		Offering.Manufacturer.Contact and click Submit
		(Section 7: Verify Business Rules work)
		Verify by creating a new Incident with <b>Priority 1</b> and ensure both fields appear. <b>Save</b> .
		Confirm the Manufacturer contact displays and set it to Test Contact. Select the
	_	Escalate to Manufacturer checkbox and click Save.
		Verify the Reminder message displays.
<b>→</b>		- Creating and Applying
	◆ Creating	ge [SNAF Module 8.2 - Migration and Integration]:
	* Kilowied	(Section 1: Review the Default Global Update Set)
	П	<ul> <li>Know what an Update Set is and what 3 pieces of information it contains</li> <li>Update Set: group of configuration changes that can be moved from one instance to</li> </ul>
		another
		<ul> <li>1. set of record details</li> <li>2. list of configuration changes</li> </ul>
		<ul> <li>3. state that determines whether or not the Update Set can be retrieved or applied to</li> </ul>
		another instance
		Know what system table stores all the tracked table changes
		♦ sys_update_xml
	Ц	Know how to navigate to view existing <b>Update Sets</b> ◆ All > System Update Sets > Local Update Sets
		Know that <b>Update Sets</b> can be batched and why you would avoid dealing with
		multiple update sets (2 reasons)
		<ul> <li>You can create batch update sets which enable you to group update sets together so you can preview and commit them in bulk</li> </ul>
		Reason 1. You may commit the update sets in the wrong order
		<ul> <li>Reason 2. You may leave out an update set inadvertently</li> </ul>
		Know what is and what is not captured within an Update Set
	_	◆ Process Records are captured, Data is not
		Know what function can be used if you need to export data manually  Export XML function
		Know how to create a new <b>Update Set</b> and select as current
		<ul> <li>◆ All &gt; System Update Sets &gt; Local Update Sets and click New</li> <li>◆ Click Submit and Make Current once record is filled out</li> </ul>
	П	Know how to mark an <b>Update Set</b> as complete and the risks in reopening a completed
		set
		◆ Change State to Complete
		◆ You should never move a <b>Complete</b> Update Set back to <b>In Progress</b> . Instead create
	Proofice '	a new <b>Update Set</b> to capture the remaining changes and commit them as a batch <b>Tasks</b> [SNAF Lab 8.2 - Create System Update Sets]
	Fractice	
		Ensure Scope is set to Global and Update Set is Default [Global] before continuing
		Open the list of <b>Local Update Sets</b> (either by shortcut from globe, or from All menu)
		Locate and open the <b>Default</b> Update Set within the <b>Global</b> Application
		Scroll down to the <i>Customer Updates</i> tab and see what was captured from class labs (Section 2: Create an Update Set)
	Ш	Create a <b>New</b> Local Update Set as follows:
		<ul><li>♦ Name: Lab Update Set</li><li>♦ State: [leave as In Progress]</li></ul>
		Description: Catalog item form, add Updated and Updated by fields
	П	Click Submit and Make Current, verify correct set shows in Scope (globe menu)
		(Section 3: Modify the Catalog Item Form)
		Bring up the Infinity HHD Catalog Item record and use Form Design to add:

◆ Updated after Active
◆ Updated by after Updated
Save and reload the form. Verify additions were made correctly.
Go back to the Lab Update Set and verify there are updates with Type Form Layout and Target name Catalog Item.
◆ Applying
<b>Grand Research Fig. 19 Fig. 19</b>
<ul> <li>✓ Know how to navigate to and apply an Update Set</li> <li>◆ All &gt; System Update Sets &gt; Retrieved Update Sets</li> <li>◆ Click Import Update Set from XML under Related Links and upload the file</li> </ul>
<ul> <li>☐ Know the typical 3-step process of retrieving an Update Set</li> <li>◆ 1. Retrieve</li> <li>◆ 2. Preview</li> </ul>
<ul> <li>3. Commit</li> <li>Know that during Preview what fields should match on platform records</li> <li>sys_id fields</li> </ul>
<ul> <li>Know how to <b>Update Sources</b> for an Update Set and test Connection for</li> </ul>
sub-production instances  ◆ All > System Update Sets > Update Sources  ◆ Once record is filled out click the Test Connection button
☐ Know how to <b>Commit</b> an Update Set
◆ All > System Update Sets > Retrieved Update Sets
Select the update set, then click the Commit Update Set button
[Section 1: Mark Update Set Complete and Export Update Set)
Open the record for <b>Lab Update Set</b> and verify changes from Lab 8.2 are there
☐ Change the <b>Update Set</b> <i>State</i> from <b>In Progress</b> to <b>Complete</b> and <b>Save</b> the record
In the Related Links section, select Export to XML  (Section 2: Prepare a PDI)  (Section 3: Verify Current Mark Update Set Complete and Export Update Set)
On your PDI, Simply verify that a Catalog Item with a Category of Hardware does not show the Updated or Updated by fields on the form (Section 4: Create and Retrieve an Update Set)
☐ On your PDI instance, navigate to All > System Update Sets > Retrieved Update Sets.
☐ Scroll to the <i>Related Links</i> section and select <b>Import Update Set from XML</b>
Locate the exported XML file from earlier and <b>Upload</b> it, confirm <i>State</i> is <b>Loaded</b> .
☐ Open the <b>Update Set</b> and click <b>Preview Update Set</b>
Review and click <b>Commit Update Set</b> to commit. Close the dialog box once 100%. (Section 5: Locate Retrieved Update Sets)
Navigate to All > System Update Sets > Retrieved Update Sets and verify that the Lab Update Set has a State of Committed.
Lastly, go check anyCatalog Item with a Category of Hardware and verify the Updated and Updated by fields are now visible on your PDI
→ ATF / App Engine Studio
<b>Rnowledge</b> [SNAF Module 8 - Package Enhancements for Testing]:
<ul> <li>         ☐ Know what the Automated Test Framework and the benefits it provides     </li> <li>         ← Create and run automated tests on your instance after modifying it     </li> <li>         ← Benefits:     </li> </ul>
<ul> <li>Reduce upgrade and development time by replacing manual testing</li> <li>Design tests once and reuse them in different contexts</li> <li>Keep test instances clean by rolling back test data and changes made after</li> </ul>

each test run

 Schedule test suite runs
 Enable non-technical test designers to create tests of standard ServiceNow Platform functionality

Create test suites to organize and run tests in batches

- Reduce test design time by copying quick start tests and test suites
   Create custom test steps to expand test coverage
   Understand what App Engine Studio is used for and the benefits it provides
   Used for low code development, automating business processes and solving business problems.
   Allows you to delegate development work that was once assigned to administrators, with little to no training
   Leverage development tools and build apps quickly using templates for pre-built solutions
   Know the concept of Designate Developers
  - Non-administrative users and groups which are assigned one or more permissions to develop applications