

SRS Software Requirement and Specification Online Skin Care

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To seek knowledge is the duty of every Muslim man and woman

Online Skin Care Store and Consultation

Software Requirements Specification

Version 1.0



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Revision History

Date (dd/mm/yyyy)	Version	Description	Author
27/6/2022	1.0	<p>The purpose of this project is to develop a website to facilitate common citizen. It will be like an e-store where users can buy their required products online and can get consultation. Users can get their products and suggestion well on time. It's a great opportunity for the sellers to increase their products sale. The website should have different categories of Skin Care products like Cream, Face Wash, Skin Polish, Eye Liner, Base, Mud Mask, Lipstick, etc. Under each category all related option (Verities of Cream, Name of Makeup and Skin Polish with brand, types and names of Cream's equipment) should be available. This website will also provide facility for online Consultation related to Skin Care. For this purpose expert can get registration. This website will also provide facility for online consultation related to Skin Care.</p>	Mc123456789

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SRS Document

Scope of Project:

Now a day, World Wide Web (WWW) is one of the major sources of information and it is expanding day by day. With the increasing popularity of the Internet around the world, e-commerce has evolved. E-commerce mainly refers to online work on the Internet.

However, it is very challenging for person to find the relevant software in such huge collection of data therefore is a need of developing this kind of web application which help its users to find specific Skin Care store and consultation. The aim of this project is to develop a website named as “Online Skin Care Store and Consultation” that will contain different categories of Skin Care products. This includes sales, advertisements and contacts with buyers and online users.

The purpose of this project is to develop a website to facilitate common citizen. It would be like an e-store where users can buy their required products online and also can get consultation online. It will be a great opportunity for the sellers to increase their products sale.

The website should have different categories of Skin Care products like Product Cream, Face Wash, Skin Polish, Eye Liner, Base, Mud Mask, Lipstick, etc. Under each category all related option (Verities of Cream, Name of Makeup and Skin Polish with brand, types and names of Cream’s equipment) should be available. A user should be able to search and view products by applying different filters but only registered user can buy products, after selecting product he/she will be able to place an online order. At checkout time, more information will be needed to complete the order. Usually, the customer will be asked to fill the basic details or select a building address, shipping address, and payment option such as debit/credit card information or cash on delivery.

This website will also provide facility for online consultation related to Skin Care Products. For this purpose expert can get registration. An expert can recommend any Skin Care Products to the user.

Functional and non Functional Requirements:

Users of this website will be:

- Individual user
- Consultant
- Admin

- **Functional Requirements:**

Requirements, which are related to functional aspect of software fall into this category. They define functions and functionality within and from the software system.

User panel:

1. Any user can search / view products by applying filter (name, price, brand name etc).
2. He/she should get registered to place an order.
3. He/she should be able to select and add product to cart.
4. He/she should be able to select payment method.
5. The user will have to fill a form by providing his /her name, contact number, postal address, city, delivery and payment method (cash on delivery/online by using credit/debit card) at checkout.
6. He/she should be able to send messages to consultants and can view consultant's answers
7. He/she should also be able to view other's messages and consultant's answers.
8. He/she should be able to add review and feedback about product and website.
9. The user can login and logout.

Consultant Panel:

1. Consultant should get registration for consultation.
2. Consultant can view user's messages and can answer messages.

Admin panel:

1. Admin can view orders.
2. Admin can view reviews or feedback.
3. Admin can block any user.
4. Admin can add/remove categories or edit existing categories.
5. Admin can add view and delete different products.
6. Admin will be able to generate reports such as sales reports, profit&loss reports on a monthly basis.
7. Admin can add consultant and can view consultant information.
8. Admin can add payment method.
9. Admin will have access to monitor everything on the website.

- **Non-Functional Requirements:**

- ❖ **Operating System:**

Software will be run on operating systems like Windows 7 and above. It doesn't work in XP window.

- ❖ **Access:**

Software will be accessible over the internet.

- ❖ **Usability:**

Usability of software will be easy so that new users can use it without any difficulty.

- ❖ **Reliability:**

Reliability is an important non-functional requirement for most software products so a software requirements specification (SRS) should contain a reliability requirement, and most do.

The System will support 7 X 24 operations.

- ❖ **Interface:**

Interface should be user friendly and easy to understand and navigate. It should provide a simple environment.

- ❖ **Maintenance:**

The software is developed in such a way that it can be easily understood and maintained. It should be flexible enough to stand with change and exceptions. So, that classification of errors and maintenance of mechanism become easy.

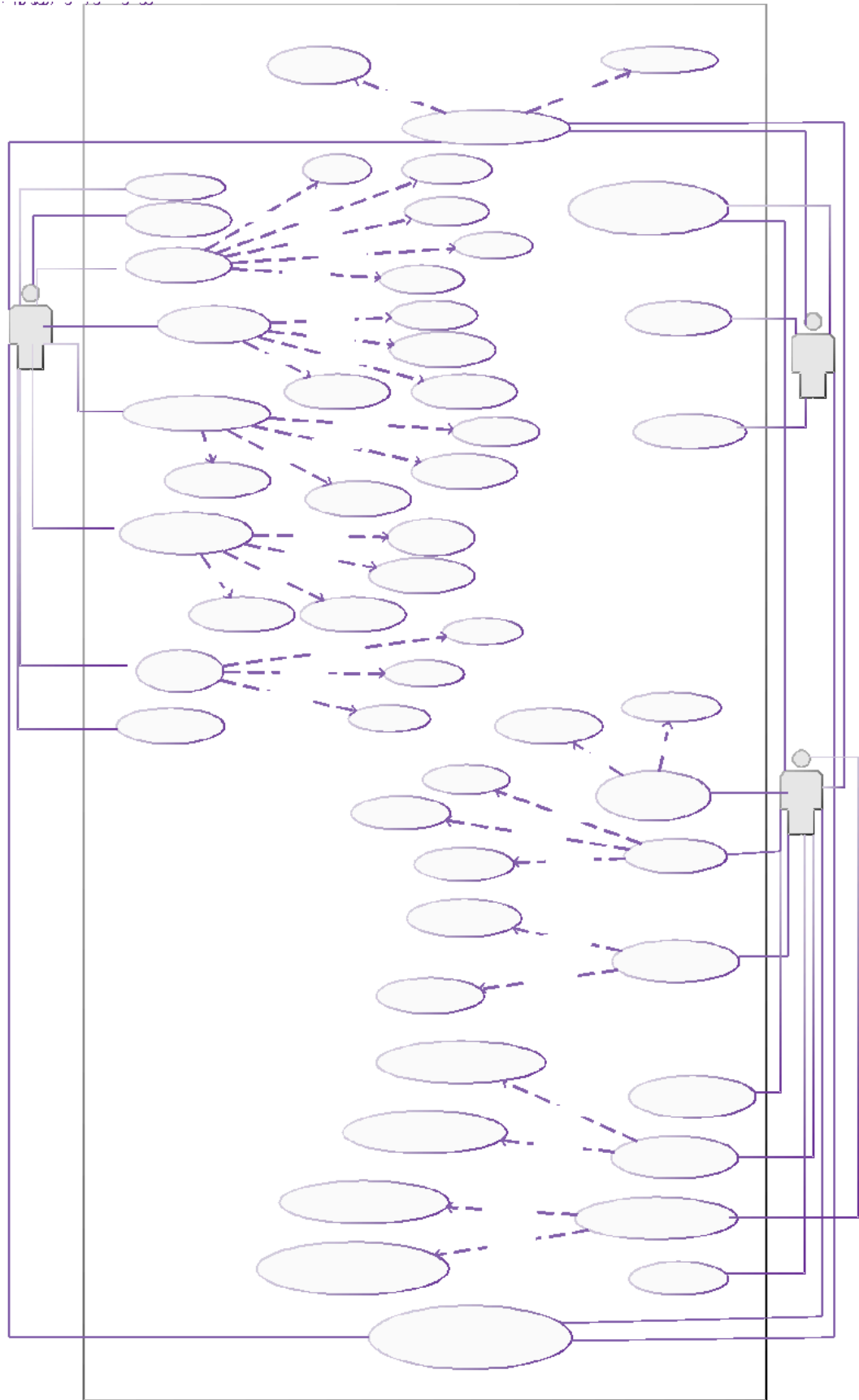
- ❖ **Flexibility:**

Software would be flexible so that it can easily accept all changes at low cost, time and experience.

- ❖ **Security:**

The non-functional security requirements specify a security quality or attribute that the software must possess.

Use Case Diagram(s):



Usage Scenarios:

Functional Requirement Title	Login
Functional Requirement Id	UC-1
Actor	Admin, User, Consultant
Actions	All authorized users of this application will login.
Description	All users will login to system by using email and password for login to the systems. Users of this application will provide with email and password to enter in the required fields. Application will authenticate and allow only registered users for login
Alternative Paths	If admin is not login. Admin clicks on login button. Complete login actions.
Pre-Conditions	All users must have application installed.
Post-Condition	All users must login after authentication.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception
Modification History	1.0
Author	MC123456789

Functional Requirement Title	View Order
Functional Requirement Id	UC-2
Actor	Admin
Actions	Admin click on view order button which leads to view order page. System permits view order upon validation of credentials.
Description	This use case enables admin to view order for performing their actions according to their role.
Alternative Paths	If admin is not login. Admin clicks on login button. Complete login actions. After this admin can view orders.
Pre-Conditions	Server and database connections should be available. Admin must be login.
Post-Condition	If use case is successful, Admin is now able to view order from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception
Modification History	1.0
Author	MC123456789

Functional Requirement Title	View Feedback
Functional Requirement Id	UC-3
Actor	Admin
Actions	Admin click on view feedback button which leads to view feedback page. System permits view feedback upon validation of credentials.
Description	This use case enables admin to view feedback for performing their actions according to their role.
Alternative Paths	If admin is not login. Admin clicks on login button. Complete login actions. After this admin can view feedback.
Pre-Conditions	Server and database connections should be available. Admin must be login.
Post-Condition	If use case is successful, Admin is now able to view feedback from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Manage User
Functional Requirement Id	UC-4
Actor	Admin
Actions	Admin will login into the system application. All registered User will be shown in this panel to admin. Admin will be Add any User Remove/ Update/ Block and View.
Description	Admin will open the application. Admin will login to the system application by providing the credentials into the required fields. Admin will click on manage User button link. Admin will be Add any of the registered User. For deleting the User information admin will Add the user and he will click on the Remove button. User data will Remove from the system. Admin can Add, Remove, Update, blocked and View the User
Pre-Conditions	User must be login.
Post-Conditions	Admin should be able to manage the User.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Manage Products
Functional Requirement Id	UC-5
Actor	Admin, User
Actions	User will login into the system application. He will click on create Manage Products Add and View Products. Admin should be able to Add, Delete, Update and View.
Description	User will open the application. He will login to the system application by providing the credentials into the required fields. Admin will click on manage Products button link. Admin should be able to manage Products.
Pre-Conditions	User must be login.
Post-Conditions	Manage Products.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Manage Products Categories
Functional Requirement Id	UC-6
Actor	Admin
Actions	User will login into the system application. He will click on create Manage Products. Admin should be able to Add, Delete, Update and View.
Description	User will open the application. He will login to the system application by providing the credentials into the required fields. Admin will click on manage Products button link. Admin should be able to manage Products.
Pre-Conditions	User must be log-in.

Post-Conditions	Manage Products Categories.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Manage Consultant
Functional Requirement Id	UC-7
Actor	Admin
Actions	Admin will login into the system application. All registered Consultant will be shown in this panel to admin. Admin will Add, Remove, Update and View.
Description	Admin will open the application. Admin will login to the system application by providing the credentials into the required fields. Admin will click on manage Consultant button link. Admin will Add any register Consultant. He will update the information and submit the data. For deleting the Consultant information admin will Add the user and he will click on the delete button. Consultant data will be deleted from the system. For blocking, admin select the candidate and blocked him.
Pre-Conditions	Admin must be logged in.
Post-Conditions	Consultant data must be Add, Update, Remove and View respectively.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Generate Reports
Functional Requirement Id	UC-8
Actor	Admin
Actions	Admin click on generate report button which leads to generate reports page. System permits generate report upon validation of credentials Loss, Profit and Sale report.
Description	This Use Case enables admin to generate report for performing their action according to their role
Pre-Conditions	Register user must be logged in.
Post Conditions	Register user must be registered by the admin.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Payment method
Functional Requirement Id	UC-9
Actor	Admin, User
Actions	Admin Add, Delete and Update payment method. User will login the application by cash on delivery Credit/ Debit Card.
Description	Admin and User will open the application. Admin and Register user will login to the system application by providing the credentials into the required fields. The user will first have to select the item to put into the shopping cart, and then will have to pass through any of the payment method i.e. through by cash on delivery, Credit Card and Debit Card or cash on delivery. Admin will be Payment method Add, Delete and Update.
Pre-Conditions	Admin and Register user must be login.
Post Conditions	Register user must be registered by the admin.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Registered
Functional Requirement Id	UC-10
Actor	Consultant, User
Actions	The users should be able to Consultant and User through a registration form. The registration form should Consultant and User basic information and requirement. The basic information about the Consultant and User should have the fields such as Name, Email, Phone, Address, Occupation etc.
Description	This use case allows Registered process of user on site. Admin will open the application. The basic information about the users should have the fields such as Name, Email, Phone, Address, Occupation etc. Admin will click on registration request button link. Admin will be shown with a panel where he will be able to Add new Consultant and User details. Admin will register the Consultant and User.
Pre-Conditions	Admin must be login.
Post Conditions	Consultant and User must be registered.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	View User Message
Functional Requirement Id	UC-11
Actor	Consultant
Actions	Consultant click on view user message button which leads to view user message page. System permits view user message upon validation of credentials.
Description	This use case enables consultant to view user message for performing their actions according to their role.
Alternative Paths	If consultant is not registered. Consultant clicks register button. Complete register actions and then clicks login. After this consultant can view user message.
Pre-Conditions	Server and database connections should be available. Consultant must be login.
Post-Condition	If use case is successful, Consultant is now able to view user message from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Answer User Message
Functional Requirement Id	UC-12
Actor	Consultant
Actions	Consultant click on view user message button which leads to Answer user message page. System permits Answer user message upon validation of credentials.
Description	This use case enables consultant to Answer user message for performing their actions according to their role.
Alternative Paths	If consultant is not registered. Consultant clicks register button. Complete register actions and then clicks login. After this consultant can Answer user message.
Pre-Conditions	Server and database connections should be available. Consultant must be login.
Post-Condition	If use case is successful, Consultant is now able to Answer user message from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Search Products
Functional Requirement Id	UC-13
Actor	User

Actions	Users click on the search product button which leads to search product Price, Product Name, Brand Name. System permits search product upon validation of credentials.
Description	This use case enables user to search product from the site.
Alternative Paths	If user is not login. User clicks on login button. Complete login actions. After this user can search product.
Pre-Conditions	Server and database connections should be available. User must be login.
Post-Condition	If use case is successful, User is now able to search product from the system. If not the system state is unchanged.
Exceptions	System may show user authentication exception. If no record is entered, system may show NULL exception
Modification History	1.0
Author	MC123456789
Functional Requirement Title	Personal Details
Functional Requirement Id	UC-14
Actor	User
Actions	User click on add personal details button which leads to add personal details page (name, contact number, postal address, city). System permits add personal details upon validation of credentials.
Description	This use case enables user to add personal details of the site.
Alternative Paths	If user is not login. User clicks on login button. Complete login actions. After this user can add personal details.
Pre-Conditions	Server and database connections should be available. User must be login.
Post-Condition	If use case is successful, User is now able to add personal details from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Manage Message
Functional Requirement Id	UC-15
Actor	User
Actions	User click on view Consultant message button which leads to Send Consultant Message and View Consultant Answer message page. System permits view Consultant message upon validation of credentials.
Description	This use case enables User to Send Consultant Message and View Consultant Answer message for performing their actions according to their role.
Alternative Paths	If User is not registered. User clicks register button. Complete register actions and then clicks login. After this User can Send Consultant Message and View Consultant Answer message.
Pre-Conditions	Server and database connections should be available. User must be login.
Post-Condition	If use case is successful, User is now able to Send Consultant Message and View Consultant Answer message from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Manage Others Message
Functional Requirement Id	UC-16
Actor	User
Actions	Users click on view other message to Consultant button which leads view Consultant Message to others. System permits view other message to Consultant and view consultant message to Others upon validation of credentials.
Description	This use case enables User to view other message to Consultant and view Consultant Message to others for performing their actions according to their role.
Alternative Paths	If User is not registered. User clicks register button. Complete register actions and then clicks login. After this User can view other message to Consultant and view Consultant Message to others.
Pre-Conditions	Server and database connections should be available. User must be login.
Post-Condition	If use case is successful, User is now able to view other message to Consultant and view Consultant Message to others from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception.
Modification History	1.0
Author	MC123456789

Functional Requirement Title	Add Feedback
Functional Requirement ID	UC-17
Actor	User
Actions	User click on add feedback button which leads to add feedback page. System permits add feedback upon validation of credentials.
Description	This use case enables user to add feedback method of the site.
Alternative Paths	If user is not login. User clicks on login button. Complete login actions. After this user can add feedback.
Pre Conditions	Server and database connections should be available. User must be login.
Post Condition	If use case is successful, User is now able to add feedback from the system. If not the system state is unchanged.
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception
Modification History	1.0
Author	MC123456789

Functional Requirement title	Logout
Functional Requirement Id	UC-18
Actor	Client, candidate, Admin
Actions	All users can be logout any time.
Description	All users can be logout any time.
Pre-Conditions	All Users have an account.
Post Conditions	All users must be login
Exceptions	System may show admin authentication exception. If no record is entered, system may show NULL exception

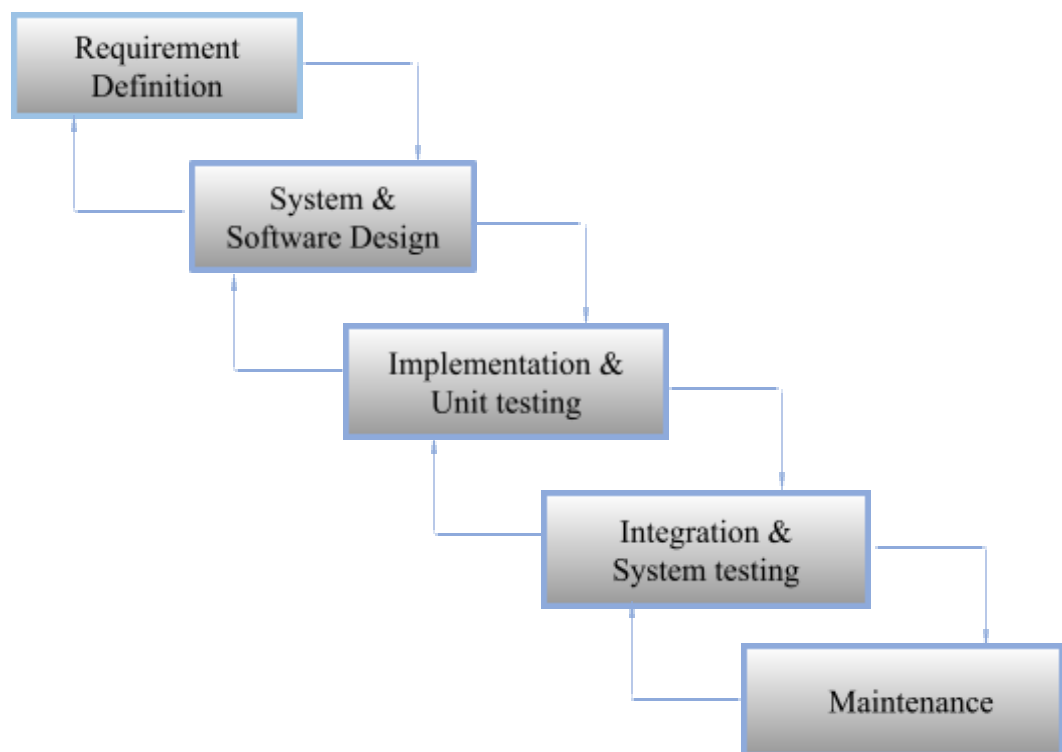
Modification History	1.0
Author	MC123456789

Adopted Methodology

“Methodology is a frame work that is used to structure, plan and control the process of developing an information system”. Vu process model is a combination of the water fall and spiral model.

Waterfall Model

Waterfall model is fast process model to be introduced. This model is also known as linear sequential or classic life cycle model.



The Waterfall Model is a documentation-driven model. It therefore generates complete and comprehensive documentation and hence makes the maintenance task much easier.

The five stages above are as follows:

❖ **Requirement Analysis and Definition:**

What - The systems services, constraints and goals are established by consultation with system users. They are then defined in detail and serve as a system specification.

❖ **System and Software Design:**

How – The system design process partitions the requirements to either hardware or software systems. It establishes an overall system architecture. Software design involves fundamental system abstractions and their relationships.

❖ **Implementation and Unit Testing:**

How – During this stage the software design is realized as a set of programs or program units. Unit testing involves verifying that each unit meets its specifications.

❖ **Integration and system testing:**

The individual program unit or programs are integrated and tested as a complete system to ensure that the software requirements have been met. After testing, the software system is delivered to the customer.

❖ **Operation and Maintenance:**

Normally this is the longest phase of the software life cycle. The system is installed and put into practical use. Maintenance involves correcting errors which were not discovered in earlier stages of the life-cycle, improving the implementation of system units and enhancing the system's services as new requirements are discovered.

VU Process Model

It is the combination of waterfall model and spiral model. It is also called Hybrid approach of system development. It has five phases which are gathering and analyzing requirements, planning, analysis and design, development and implementation. In requirement phase goals services and constraints are established after discussion with user. It also maximizes the quality of system and minimizes any risks and errors.

SRS

Design Document

Test Phase 1

Test Phase 2

DEVELOPMENT
PHASE

FINAL
DELIVERABLE

Reason for choosing vu process Model:

I choose VU process model for my project. Reason for adopting methodology is as under

- I. It is best for Virtual University Projects.
- II. The main idea to choose is to get the benefits of both these models.
- III. It is sequential model with backward repetition.
- IV. We want to achieve the linear nature of waterfall and iterative plus risk reduction nature of spiral model.
- V. In vu process model we will be work in phases to complete the given project.
- VI. All the activities are performed in a sequence in VU Process Model.

Work Plan (Use MS Project to create Schedule/Work Plan)

