

# Video Demo Guide

## Demo 01/25/16: Intro to Software Stack Part 1

Video: <https://www.youtube.com/watch?v=LCloEKuIEZU&feature=youtu.be>

- Start VM and log in ([2:05](#))
- Quick intro to the command line ([9:10](#))
  - File management
- Quick intro to RVM ([30:50](#))

## Demo 01/27/16: Intro to Software Stack Part 2

Video: <https://www.youtube.com/watch?v=QGflkyrN178&feature=youtu.be>

- Quick intro to Rails ([2:25](#))
  - Create project: rails new ...
  - Run it: rails s -b 0.0.0.0
- Quick intro to Git ([36:40](#))
  - Share project w/ Git and GitHub
- Log out of the VM and halt it ([51:20](#))

## Demo 02/01/16: Adding a New View

Video: <https://youtu.be/5CJugxNoxg4>

### Goal: Add "about" page to existing Bookcat web app (w/ controller)

- Subgoal: Add route for new view ([00:11](#))
  - File: config/routes.rb
  - Docs: <http://guides.rubyonrails.org/v4.2.5/routing.html>
- Subgoal: Add controller action for new view ([9:00](#))
  - File: app/controllers/\*\*\*\*\*s\_controller.rb
  - Docs: [http://guides.rubyonrails.org/v4.2.5/action\\_controller\\_overview.html](http://guides.rubyonrails.org/v4.2.5/action_controller_overview.html)
- Subgoal: Add new view ([11:30](#))
  - File: app/views/\*\*\*\*\*s/\*\*\*\*\*.html.erb
  - Docs: [http://guides.rubyonrails.org/v4.2.5/action\\_view\\_overview.html](http://guides.rubyonrails.org/v4.2.5/action_view_overview.html)

## Demo 02/08/16: MVC Models Part 1

Video: <https://www.youtube.com/watch?v=TnXXR7IOYil&feature=youtu.be>

### Goal: Create a model class

- Subgoal: Generate model class, migration, test skeleton, etc ([1:25](#))
  - Command: rails g scaffold
- Subgoal: Update DB using migrations ([10:25](#))
  - Command: rake db:migrate
- Subgoal: Run the app and inspect the database ([11:55](#))
  - Command: rails s -b 0.0.0.0
  - Tool: Firefox SQLite Manager add-on

### Goal: Seed database data

- Subgoal: Add create statements to seed DB ([19:10](#))
  - File: db/seeds.rb
  - Method: create!
- Subgoal: Reset the DB to have the seed data ([24:55](#))
  - Command: rake db:migrate:reset db:seed

## Demo 02/08/16: MVC Models Part 2

Video: <https://youtu.be/xCv4DWICZzc>

### Goal: Add validation to model class

- Subgoal: Add validation to model class ([2:20](#))
  - Method: validates
  - Docs: [http://guides.rubyonrails.org/v4.2.5/active\\_record\\_validations.html](http://guides.rubyonrails.org/v4.2.5/active_record_validations.html)
- Subgoal: Demo validation by entering form errors ([9:30](#))

### Goal: Add unit test for validations

- Subgoal: Add test data (fixture) ([24:20](#))
  - File: test/fixtures/\*\*\*\*\*s.yml
  - Docs: <http://guides.rubyonrails.org/v4.2.5/testing.html>
- Subgoal: Add unit test case ([27:30](#))
  - File: test/models/\*\*\*\*\*\_test.rb
  - Methods: assert, assert\_not, valid?
- Subgoal: Run test ([37:45](#))
  - Command: rake test

## Demo 02/15/16: MVC Controllers Part 1

Video: [https://youtu.be/i\\_VG22oMtN8](https://youtu.be/i_VG22oMtN8)

**Goal: Understand how *index* action/page works (0:0)**

**Goal: Understand how *new* action/page and *create* action work (32:25)**

## Demo 02/17/16: MVC Controllers Part 2

Video: <https://youtu.be/9Jyrxk6JdMw>

**Goal: Understand how *show* and *edit/update* actions/pages work (0:0)**

**Goal: Understand how *destroy* action works**

- Subgoal: Understand route for *destroy* (35:30)
  - File: config/routes.rb
  - Command: rake routes
  - Docs:  
<http://guides.rubyonrails.org/v4.2.5/routing.html#resource-routing-the-rails-default>
- Subgoal: Understand destroy action (40:00)
  - File: app/controllers/\*\*\*\*\*s\_controller.rb
  - Method: destroy (both controller and model methods)

**Goal: Add new actions/pages (*show* + *update/edit* = "display/modify")**

- Subgoal: Add empty display/modify controller actions (44:45)
- Subgoal: Add routes to display/modify actions (46:10)
- Subgoal: Add display view and fill in display action (55:00)
- Subgoal: Fill in modify action and make display form submit there (59:54)

## Appendix to MVC Controllers

Video: <https://youtu.be/dSAJAcn0NCI>

## Demo 02/22/16: Model Associations Part 1

Video: [https://youtu.be/0usya-76R\\_E](https://youtu.be/0usya-76R_E)

### Goal: Associate each Author with an AuthorProfile

- Subgoal: Generate AuthorProfile class ([0:0](#))
- Subgoal: Generate migration to add references ([4:45](#))
- Subgoal: Customize model class by adding association ([10:35](#))
  - Methods: has\_one, belongs\_to
- Subgoal: Add seed data for AuthorProfile ([13:20](#))
- Subgoal: In "show" view, show profile data ([22:45](#))

## Demo 02/24/16: Model Associations Part 2

Video: <https://youtu.be/f72X048O1Ps>

### Goal: Associate Each Author with Books Authored

- Subgoal: Generate simple Books class (no references; with scaffold) ([0:0](#))
- Subgoal: Add seed data for Books (no associations) ([10:35](#))
- Subgoal: Generate migration to add references (and foreign keys) to DB tables ([6:35](#))
  - Command: rails g migration AddXToY ...
- Subgoal: Customize model classes by adding association code ([13:53](#))
  - Methods: has\_many, belongs\_to
- Subgoal: Add seed data for Author/Book associations ([15:55](#))
- Subgoal: Add column to Book index page for Author ([24:00](#))
- Subgoal: Add Books table to Author show page ([27:35](#))
- Subgoal: Add Author dropdown to Book form ([30:45](#))

# Demo 02/29/16: Authentication and Authorization with Devise

Video: <https://youtu.be/cQISU4TOz3w>

## Goal: Add user accounts with Devise

- Initial install and setup of Devise ([4:30](#))
  - Install 'devise' gem
  - Add devise to your project using "rails g devise:install"
  - Configure as per Devise's instructions
    - Set mailer config
    - Set the root route
    - Add notice/alert messages to application.html.erb
    - Get devise views (for future customization)
  - Generate User devise model
- Secure controller actions (require users to be signed in) ([28:20](#))
- Add sign-in/sign-out links ([40:30](#))
- Add CSS styles for notice/alert/error messages ([50:00](#))