

# Ruby on Rails for Web Development

GoSkills online course syllabus

Sunday, November 24, 2024

**Skill level**

Beginner

**Lessons**

50

**Accredited by**

CPD

**Pre-requisites**

None

**Video duration**

3h 45m

**Estimated study time**

25h for all materials

**Instructor**

John Elder

## Setting Up Your Development Environment

---

1

### Course Introduction

What to expect from the course.

2

### Overview and Node Installation

Learn about the different tools that we'll need in order to install Ruby on Rails.

3

### Sublime and Git Installation

Install the Sublime Text editor and the Git Bash Terminal to your computer.

4

### Heroku Toolbelt

How to install the Heroku Toolbelt, which will allow us to push our code to Heroku later on for web hosting.

5

### Generate SSH Key

6

### Rails Installation

Download and install Ruby on Rails using the Rails Installer.

7

### Create Pinteresting Project

Create a new Ruby on Rails project, named Pinteresting.

8

### Error Handling

How to Google errors that you may receive while using Ruby on Rails.

- 9 **Gem File and Rails Server**  
Fixing the installation error we received by modifying the Gemfile.
- 10 **Understanding The Ruby on Rails MVC Architecture**  
Learn about Models, Views, and Controllers and how they interact with each other.
- 11 **The Rails Development Environment Walk-Thru**  
Finding our way around the rails directory, text editor, and terminal.
- 12 **What Is Version Control?**  
Keep track of code changes locally.
- 13 **Github For Version Control**  
Save your version control to the cloud at Github.
- 14 **BitBucket For Version Control**  
Save your version control to the cloud at BitBucket.
- 15 **Hosting Your App On Heroku**  
How to push code to a production level server.

## Getting Started With Rails - Building Your First Website

---

- 16 **Creating Our First Web Page**  
Let's build our first Rails Web Page!
- 17 **Understanding Routing**  
Routing basics to create custom URL's.
- 18 **Understanding the Gemfile and Gems**  
Adding, removing, and installing Gems.
- 19 **Adding Additional Web Pages**  
Building out additional web pages manually (controllers, routes, and views).
- 20 **Understanding the Application.html File**  
What is the Application.html file and what is it used for?

- 21 **Creating Links with Embedded Ruby vs. HTML**  
How and why to use ERB to create web links.
- 22 **Adding CSS with Bootstrap**  
Styling with Bootstrap CSS.
- 23 **Creating a Navbar**  
How to build a Bootstrap navbar?
- 24 **Using Partials**  
What are partials and why are they so important?
- 25 **Creating a Jumbotron and Buttons with Bootstrap**  
Let's add a Jumbotron with some simple CSS from Bootstrap.
- 26 **Changing Style with Bootstrap**  
Customizing styles in bootstrap is easy.

## Adding Functionality To Our Site

---

- 27 **Devise Installation Part 1**  
Allow people to sign up to your site, log in, and log out. Part 1.
- 28 **Devise Installation Part 2**  
Allow people to sign up to your site, log in, and log out. Part 2.
- 29 **Customizing Devise Views**  
Using Bootstrap to customize Devise views.
- 30 **Adding a Name to Devise**  
Adding user names to our Devise database table.
- 31 **Styling the Navbar by Login Status**  
Change how the Navbar looks based on whether a user is logged in or out.
- 32 **Pins Scaffold**  
Creating a framework to allow people to add images to your app.

- 33** Pins CSS and C.R.U.D.  
Deleting the Pins CSS file and understanding C.R.U.D.
- 34** Styling Pins Views and Links  
Change the way Pins are displayed on the site.
- 35** Rails Associations  
What are Associations and why are they so important?
- 36** Understanding the Pins Controller  
What is the Pins Controller and how do we use it?
- 37** Pins Controller Associations  
Understanding the "correct user" in Pins Controller.
- 38** Paperclip and ImageMagick Part 1  
Using Paperclip and ImageMagick to handle image uploading by users. Part 1.
- 39** Paperclip and ImageMagick Part 2  
Using Paperclip and ImageMagick to handle image uploading by users. Part 2.
- 40** Amazon AWS Part 1  
Using Amazon AWS S3 to store our database images.
- 41** Amazon AWS Part 2  
Setting up AWS Secret Keys and configuration.
- 42** Styling the Pins Page  
Modifying how our Pins Page looks.

## Advanced Layout Work

---

- 43** Installing Masonry Part 1  
Setting up JQuery Masonry.
- 44** Installing Masonry Part 2  
Using JQuery Masonry animations on our Pins.

**45** Changing Pin Order and Adding Root  
Changing which Pins appear first and adding a new root route.

**46** Adding Pagination  
Break our Pins into many pages with links.

**47** Make the Site Mobile Ready  
Making our site mobile ready is easy with Bootstrap!

**48** Adding Custom URLs and Custom Domain Names  
Changing your Heroku app name and using your own domain name.

## Conclusion

---

**49** Conclusion  
Summing up what we just did.

**50** Where to Go Next  
Tips on what to learn going forward to further your education.

[Go to GoSkills.com](https://www.goskills.com)