Ruby on Rails Learning Objectives

CODE THE DREAM

At the end of each week, each student should be able to demonstrate that their assignment has met the following criteria.

Lesson Name	Students will be able to…
Lesson 1.1: SQL Basics	Complete a series of practice SQL exercises.
Lesson 1.2: More SQL, Introduction to Ruby	Continue practice SQL exercises, practice join logic, write basic date/time programs using Ruby.
Lesson 2.1: Ruby Collections, Loops, and Conditional Statements	Create simple programs that build a contact list, sort words within an array, add numbers, and calculate leap years
Lesson 2.2: Ruby Methods, Classes, and Blocks	Write programs using multiple functions and methods.
Lesson 2.3: Ruby Test-First Development	Use Rspec to test a Ruby program, adjust the code to ensure it passes the test.
Lesson 3.1: Rails Basics	Create a PR that has controllers, views, and models for pages and posts.
Lesson 3.2: Rails Active Record Associations	Create PRs for four separate repositories
Lesson 4.1: Additional Rails Topics	Practice byebug, exception handling, validation, and error handling using a customer app.
Lesson 4.2: Rails Testing with RSpec	Use Rspec to test a customer app.
Lesson 4.3: Bringing it All Together	Add routes, a model, a controller, views, and rspec tests to the backend-validations repository.
Lesson 5.1: Bootstrap 4 Basics, Bootstrap in Rails - Part 1	Add Bootstrap to the backend-validation repository.
Lesson 5.1: Building an API, Swagger - Part 2	Create an API using the backend-rest-rails repository.
Lesson 5.2: Calling the API Using AJAX	Create a front-end for the API.
Final Project Rubric	