

I/O Avenue

Web Development Syllabus | Highway

12 Weeks | Part-time

WEEK 7

WEEK 8

will continue to explore advanced features such as migration, pagination and view helpers. We will also explore the use of Rails in a test-driven development approach. At this point, you will be able to reinforce the knowledge you have gained in the past weeks.

WEEK 9

AJAX & jQuery

This week, students will continue their journey learning about AJAX and event-driven JavaScript. You will explore the use of jQuery in a meaningful way. We will also explore the use of jQuery in a test-driven development approach. At this point, you will be able to reinforce the knowledge you have gained in the past weeks.

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WEEK 10 **Advanced Git & Effective Pitching**

This week you will learn how to customize your Terminal sessions, make use of advanced CLI commands and be able to implement user authentication in a Rails web app. Students will gain an understanding of how to deal with merge conflicts, branching, and how to effectively collaborate with teammates using Git. Additionally, you will learn how to deliver an Effective Pitch and prepare a practice pitch for the final project. You will gain experience working and collaborating as a team, especially as it pertains to Git (pull requests, merge conflicts, and branching).

WEEK 11 & WEEK 12 **Final Project**

For our last two weeks together, you will begin working on your final project. You will be required to:

- Design and implement a frontend using HTML, CSS, JS (jQuery) and the Bootstrap framework.
- Utilize Rails Scaffolding and gems to accelerate and simplify the development process.
- Utilize MVC, OOP, and TDD techniques to develop a well-tested and properly-organized code base.
- Implement user authentication.
- Make use of at least one API.
- Present the final project at the I/O Avenue Pitch Night.