

THIRD PROJECT

It's team project time! We're staying on the Rails, but this time, you'll be partnering with two or three classmates to make a more complex project. You might have used APIs in your last project, but this time, you'll be *building* one! You'll also start to make test coverage a priority – we'll introduce RSpec and get you started with unit and integration tests.

The objective of this project is to:

- Work in teams and adequately balance project workload
- Learn (and appreciate) unit testing and Test-Driven Development
- Practice using relational database systems (PostgreSQL)
- Learn how to create and consume APIs

You will be working **in groups** for this project and collectively designing and pitching an app. GOOOOO TEAM!

CORE REQUIREMENTS

Make sure to do all of the following with your app.

- Rails 4 + PostgreSQL
- Create an API
- Consume that API (with Handlebars, AngularJS, Google Maps, D3, etc.)
- Log real user stories in Pivotal Tracker
- Track progress in Pivotal Tracker
- Manage team contributions on GitHub
- At least 16 model specs (across any number of models) and 8 controller specs (across any number of controllers, but at least four actions covered)

CHALLENGE ADD-ONS

These are for extra credit!

- Consume another team's API (or an external API)
- Execute another type of testing (user testing for UI, etc)
- Style the app with Bootstrap or Foundation
- Implement social authentication (Facebook, Twitter, etc)

PLANNING & DELIVERABLES

Project Plan deliverables:

- Project pitch – use the Inception Deck to plan out your project, and pitch it as a team -- *due Friday, February 27th*
- Stories in Pivotal Tracker – what do your objectives look like, broken down into unit-sized chunks? – *first pass due Friday, February 27th, check-ins each Friday*
- Team GitHub repo – *due Friday, March 6th or earlier*

Completed Project deliverables:

- Link to Heroku hosted project – *due on demo day*
- Link to source code on GitHub – *due on demo day*

TIMELINE

- Project cycle: Weeks 7-9
- Demo day: Monday, Week 10 (*March 16th*)
- Code Reviews w/ Rubric: Week 10

Things to keep in mind

Make sure that your code is:

- Consistent. You're working in teams, but you're only making one app per team. Make sure it looks like a unified effort.
- DRY and RESTful. It's the Rails way.
- Well-formatted. Are you indenting well? Can we find the start and end of every div, curly brace, etc?
- Well-commented. Will I understand what is going on in each block or function?
- Clear. Do your naming conventions make sense? Would another developer be able to look at your app and understand what everything is?

We'll also be looking at:

- Quality of communication around decision-making. Did you make choices as a team and work together? Was the workload balanced? Can you all stand behind the project?
- Your ability to pick up new technologies and push yourselves. How did the team encourage each other to achieve more?