

Your First Group Project

This is big! You're getting ready to start work on your first project to show off in your interviews and portfolio. After you get your team together, you need to choose a project and start doing some analysis.

This project is meant to challenge you and your team to build something from the ground up. You've had practice using the tools of PostgreSQL, Sequelize, and npm to create skeleton projects. Then, you've installed packages like Express.js and Pug.js to get your framework in place. Now, you can bring all of that to bear in this first, big application.

You and your group will be cloning a website from a list of approved websites. Each day this week, you will be working with your group to prepare documentation on how to execute this project.

A instructor will be assigned to your group to act as your **Project Advisor**. They will be overseeing your group's work and will be reviewing your preparatory work this week and your code during project week.

Evaluating your completion

Full-stack projects will be evaluated against the following "Minimal Viable Product" (MVP) features.

1. New account creation, login, and guest/demo login
2. A production README file for your GitHub repository containing
 - Brief explanation of what the app is and does
 - Link to live site
 - Link to wiki docs
 - Discussion of technologies used
 - Discussion of two features that show off the team's technical abilities
 - Discussion of both challenges faced and the way the team solved them
 - Code snippets to highlight the best code
3. Hosting on Heroku
4. For four features:
 - Adequate styling
 - Smooth, bug-free navigation
 - Adequate and appropriate seed data to demonstrate the feature

In order for this to be considered complete, you must have the first three criteria completed. In addition to that, you will also need to have four of your features demonstrating the checklist under item 4. After the following section is a list of required features for each of the available projects to clone.

Show and tell

Instead of an assessment on the following Monday, each team will demonstrate what they've been able to accomplish! This type of demonstration normally occurs in real software development shops after a sprint ends. That's what you'll be doing: showing what you've been able to accomplish in such a short amount of time!

Choosing a Project

With your group, you will pick one of the following options to clone.

- [Goodreads](#)
- [Medium](#)
- [Product Hunt](#)
- [Remember the Milk](#)
- [Stack Overflow](#)
- [TeaWithStrangers](#)
- [Quora](#)

These projects were chosen because they allow you to focus on basic CRUD actions rather than complicated front-end features like infinite scroll and single-page apps. Remember that this project is focused on Express and we have not yet taught you a front-end framework so you'll be limited to vanilla JavaScript.

Required Features for Approved Clones

Here are the four minimum features that you must implement for each of the choices.

Features marked with an asterisk indicate that you should be incorporating AJAX requests and API routes to perform certain CRUD operations

Goodreads

- Books
- Bookshelves
- Reviews
- Read Status (will read, have read, etc.) *
- **Bonus:** Search across multiple models *
- **Bonus:** Tags

Medium

- Stories
- Commenting on stories
- Follows * and feed
- Likes *
- **Bonus:** Topics/categories
- **Bonus:** Bookmarks

Product Hunt

- Products
- Profile Page
- Product Discussion
- Search (Users or Products) *
- **Bonus:** Collections
- **Bonus:** Upvotes and Tags *

Quora

- Questions

- Answers/comments on answers
- Search Questions *
- Topics/Tags
- **Bonus:** Upvotes *, order questions by popularity
- **Bonus:** Replies to comments

Remember the Milk

- Tasks
- Lists
- List summary (time, num tasks, num completed)
- Search *
- **Bonus:** Autocomplete SmartAdd of task properties *
- **Bonus:** Subtasks

Stack Overflow

- Ask Questions
- Answer Questions
- Search for Questions *
- Upvote / Downvote Answer *
- **Bonus:** Question Categories
- **Bonus:** Comment on Questions / Answers
- **Bonus:** Polymorphic Up/Down Votes: Questions, Answers, Comments
- **Bonus:** Code Snippets in Answers

TeaWithStrangers

- Choose City
- Host Event
- Join Event in your city *
- Dashboard of joined events/hosted events
- **Bonus:** Google Map API showing events based on location
- **Bonus:** Suggestions based on event details and user profiles

Project Theme and Name

Once you and your group decide which website you want to clone, come up with a theme for your project. For example: Meet with other National Park Lovers.

Then come up with a name for your project. For example: NextPark Neighbor.

It's important to come up with a theme and a name to distinguish your project among all the similar looking projects.

Get your project choice, theme, and name approved by your Project Advisor.

Progress Scorecard

One person in the group needs to create a copy of this [Progress Scorecard](#) and share the spreadsheet to make it editable for anyone that has access to the link.

Rename the spreadsheet to **JSPY Group Express Progress Scorecard – [YOUR APP NAME]**.

Then send the link to your Project Advisor. This will be used by your Project Advisor to evaluate your project at the end.

