Project 2

Coding Boot Camp

Module 15

Project Requirements

Project 2: Coding Requirements

✓ Must use **Node.js** and **Express.js** to create a RESTful API

✓ Must use **Handlebars.js** as the template engine

✓ Must use **MySQL** and the **Sequelize ORM** for the database

✓ Must have both **GET** and **POST** routes for retrieving and adding new data

✓ Must use at least one new library, package, or technology that we haven't discussed

✓ Must have a folder structure that meets the **MVC paradigm**

✓ Must include **authentication** (express-session and cookies)

✓ Must protect **API keys** and sensitive information with environment variables

Project 2: Additional Requirements

Must be deployed using Heroku (with data)

Must have a polished UI

Must be responsive

Must be interactive (i.e., accept and respond to user input)

Must meet good-quality coding standards (file structure, best practices, etc.)

Must have a professional README (unique name, description, link to the deployed app)

Project 2: Extra Bonus Street Cred L33t Options

DELETE and PUT routes as well for a full RESTful API

Incorporate CSS variables

Have both authenticated and non-authenticated CRUD operations

Incorporate CSS animation, background video, or some rendering engine

Incorporate social media somehow

Incorporate some style of game, gameplay, or gamification

Presentations

Presentation Requirements

Your formal, 10-minute presentation must include:

✓ Your application's overall concept

✓ The motivation for your application's development

✓ Your design process

✓ Technologies used (and a brief description of how they work)

✓ A demonstration of the application's functionality

✓ Directions for future development

✓ Sometimes, talking intelligently about tech > doing tech

Presentation Etiquette

Your formal, 10-minute presentation must include:

✓ Cameras on throughout the presentation while presenting (and while watching)

✓ No vaping on camera

✓ Dress becomingly

✓ Ensure everyone speaks during the presentation

✓

✓

✓

Metrics

Metrics

Project 2 will be assessed on the following:

| 01 | Concept |

| 02 | Design (Application Quality) |

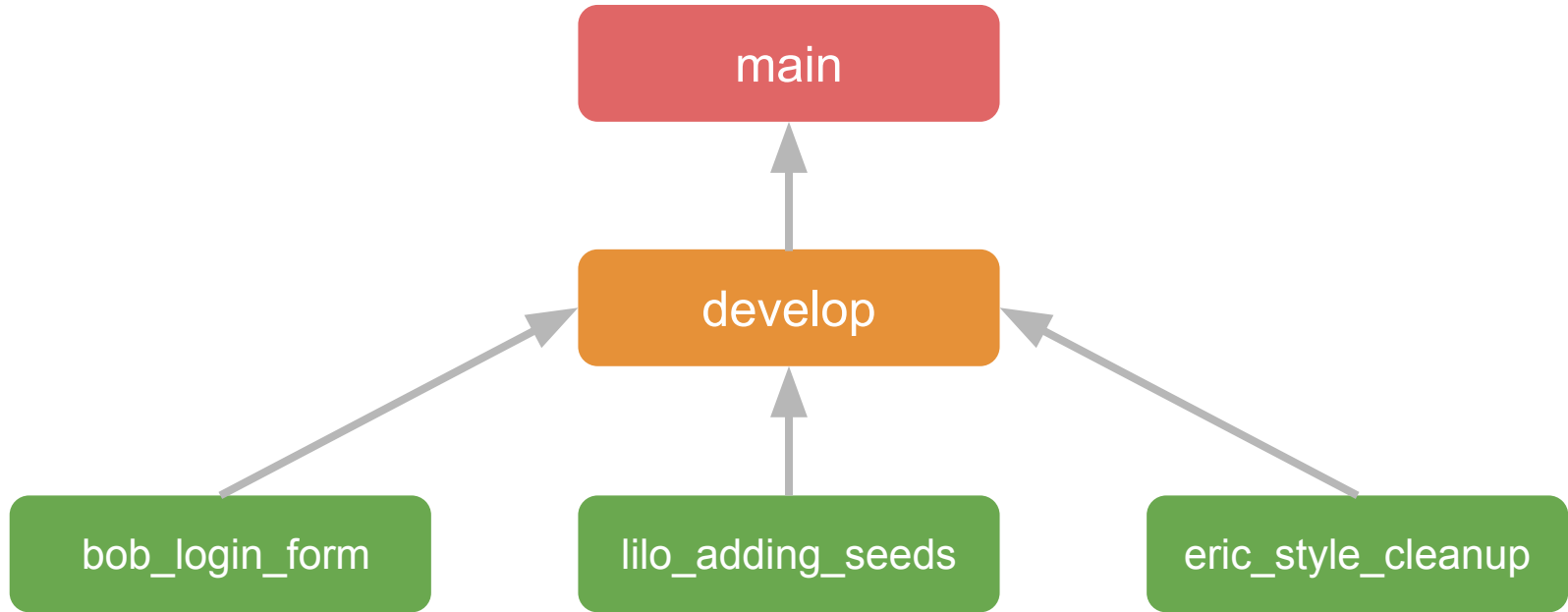| 03 | Functionality (Technical Acceptance Criteria and Deployment) |

| 04 | Repository Quality |

| 05 | Presentation |

| 06 | Collaboration |

Github Repo Branches

Github Repo Branches

Group Challenge: Project Brainstorming

Work with your group to identify ideas, research APIs, and create project designs. You will submit your initial project proposals by the end of class today.

Suggested Time: 60 minutes