



# Web Development Boot Camp

## Unit 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)

# 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

# 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



# Repository Setup

Options

Manage access

Security &amp; analysis

Branches

Webhooks

Notifications

Integrations

Deploy keys

Actions

Environments

Secrets

Moderation settings

## Default branch

The default branch is considered the “base” branch in your repository, against which all pull requests and code commits are automatically made, unless you specify a different branch.

main



## Branch protection rules

Add rule

Define branch protection rules to disable force pushing, prevent branches from being deleted, and optionally require status checks before merging. New to branch protection rules? [Learn more](#).

**No branch protection rules defined yet.**

## Branch protection rule

### Branch name pattern

main

### Protect matching branches

#### ☒ Require pull request reviews before merging

When enabled, all commits must be made to a non-protected branch and submitted via a pull request with the required number of approving reviews and no changes requested before it can be merged into a branch that matches this rule.

Required approving reviews: 1 ▼

#### ☐ Dismiss stale pull request approvals when new commits are pushed

New reviewable commits pushed to a matching branch will dismiss pull request review approvals.

#### ☐ Require review from Code Owners

Require an approved review in pull requests including files with a designated code owner.

#### ☐ Require status checks to pass before merging

Choose which [status checks](#) must pass before branches can be merged into a branch that matches this rule. When enabled, commits must first be pushed to another branch, then merged or pushed directly to a branch that matches this rule after status checks have passed.

#### ☐ Require signed commits

Commits pushed to matching branches must have verified signatures.

#### ☐ Require linear history

Prevent merge commits from being pushed to matching branches.

#### ☒ Include administrators

Enforce all configured restrictions above for administrators.