



# Web Development Boot Camp

## Unit 15



# Project Requirements

# Project 2: Coding Requirements

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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

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Must be deployed using Heroku (with data)



Must have a polished UI



Must have a responsive layout



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

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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.

# Metrics

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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



# Milestones



Use these milestones as a guideline to stay on pace.



Careful time management  
and clear communication are  
essential for a successful  
project.

# Today

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Form team and come up with a team name



Brainstorm and select a concept



Setup project repo (contributors, branch protection, eslint, pettiers, boilerplate)



Create and submit proposal (wireframes, routes, general task breakdown, etc)

# Day 2

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## Suggested day 2 milestones



Front End: Create routes for html views (no logic or data)



Back End: Create models (and seeds as needed)



Front End: Create views using placeholder/fake data



Front End & Back End: spend time learning new techniques/apis that will be used



Team: Deploy to Heroku once you have your basic view routes and all models created.

# Day 3

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## Suggested day 3 milestones



Back-end: Create API routes (PUT, POST, DELETE routes)



Front-end and Back-end: Update views and view routes with required data/logic



Front-end: Add front-end javascript to handle user input and requests to api routes



Everyone: Re-deploy app after completed day 3 milestones

# Day 4

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## Suggested day 4 milestones



Everyone: Identify bugs and create issues for them (QA)



Everyone: Fix bugs



Front-end: Polish and enhance UI



Everyone: Re-deploy



Everyone: Outline presentation



Anyone: Create slide deck

# Day 5

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Everyone: Practice Presentation



Everyone: Final fixes (only emergency issues)



Anyone: Update README



Everyone: Present your project to the class



Everyone: Submit links on Bootcamp Spot (heroku + GitHub repo)





Questions?