

CS160 Assignment #3 - Implementation

Deadline: 11/13, Tuesday, 11:59:59pm

Submission: All submissions will be via Github and Canvas. Each team only needs to submit one .zip file under “Assignment -> Assignment 3” (see below for details).

Assignment Description

In this assignment, you will work on implementing your *Project* (**both front end and back end**) based on the design in your Assignment 2. You are required to produce a working system and an implementation document.

You should implement all the “core” requirements of your project system. Please feel free to add extra features especially creative solutions.

Your implementation document should include the changes of design decisions that are different from your Assignment 2, and the reason of the changes. Please carefully document these and turn in your “redlined” architectural and design document. In principle, how you actually mark the departures from your original design is up to you, but to make sure they are easy to spot; this is further clarified below.

Instructions

In your implementation, you are free to choose how you want to deploy your web server.

- Use external services that have the infrastructure support (e.g., Firebase, AWS Mobile Services, Parse) then you may not need to deploy your own server. This the manual deployment effort but may introduce external dependencies on your system that can cause potential problems (e.g., trial expiration, not capable of handling 100 users, etc.).

Deliverable

You should submit a zip file to Canvas containing the following items.

1. Your project (client-side)
2. Your server project (server-side)
3. README file to explain how to run your app if there are any extra steps and your Github URL.
4. Your implementation document, which should include the information specified below.

5. The above must be checked in to Github repository as well.

Your implementation document must have the following sections.

1. Project Title and Authors
 1. Optionally a name you select for your team
 2. A list of all team members (names and SJSU ID numbers)
2. Preface
3. Introduction
4. Architectural Change
 1. What architectural changes did you make during implementation?
 2. What's the rationale behind the decision change?
5. Detailed Design Change
 1. What detailed design changes did you make during implementation?
 2. What's the rationale behind the decision change?
6. Requirement Change
 1. Does this change your design?
 - i. If not, why not?
 - ii. If so, what should be changed and how?

Note: You do not need to implement this requirement change for this assignment. You will have to implement it in a later assignment. Your analysis of the impact on your design will be taken into account again when grading that future assignment.