

Squad.js Teamwork Plan

Tasks

List of tasks, expected effort, allocation to team members

- Implement Models
 - Describe user schema (1 hour for initial schema, 4 hours for model methods/revision) [Joanna]
 - Describe class schema (1 hour for initial schema, 4 hours for model methods/revision) [Manuel]
 - Describe post schema (1 hour for initial schema, 4 hours for model methods/revision) [Danny]
 - Describe comment schema (1 hour for initial schema, 4 hours for model methods/revision) [Ming]
- Implement Routes (6 hours) [Everyone]
 - Make sure everyone knows what's happening with routes
- Implement Views (5 hours) [Everyone]
 - Create html/handlebars/js pages for our app
 - Style pages for our app
- Figure out how MIT Certificates work (3 hours) [Manuel]
 - This is our log-in/registration system
- Implement server-side interactions for controller (6 hours) [Joanna, Danny]
- Implement POST request handling + whatever else it takes to upload files (1 hour) [Joanna]
- Implement POST request handling when user joins a class (1 hour) [Ming]
- Implement POST request handling when user wants to post stuff (1 hour) [Danny]
- Implement POST request handling when user wants to comment (1 hour) [Manuel]
- Implement POST request handling when user wants to upvote (1 hour) [Ming]
- Implement POST request handling when user wants to flag (1 hour) [Ming]
- Implement PUT request handling when user wants to edit stuff (1 hour) [Ming]
- Implement GET request handling when user wants to view pages (1 hour) [Joanna]
- Implement DELETE request when user wants to delete own post/comment (1 hour) [Danny]
- Implement DELETE request when too many flags on post/comment (1 hour) [Manuel]
- Implement DELETE request when user drops a class (1 hour) [Ming]
- WRITE TESTS (3 hours) [Everyone]
- Address security concerns (2 hours) [Joanna]

After MVP

- Revise project based off of peer/mentor reviews

- Demo project
- Incorporate good coding practices and nice documentation

Calendar of intermediate and final milestones for tasks

Timeline:

11/18: Finish model and routes; write tests

11/19: Finish views and figure out how to implement certificate authentication; write tests

11/20: Finish request handling for Classes and relevant methods in the controller; write tests

11/21: Finish request handling for Posts and Comments and relevant methods in the controller; write tests

11/22: Finish request handling for upvotes/flags and relevant methods in the controller; write tests

11/23 (MVP DUE): Deploy MVP (if necessary)

11/25 - 11/29: Revise Design

12/1 - 12/6: Incorporate feedback from MVP and peer reviews into making a workable demo

12/7 - 12/12: Work on presentations and finish up project

Minimum viable product specs

Identification of minimum viable product for first release

- Necessary functionalities will work (i.e. users logging in/out, users joining a class, users posting, commenting, deleting, upvoting, and flagging, users searching for other users)

Subset of concepts to be included

- Class
- Post
- Comment
- Upvote
- Flag

Issues postponed (eg, security mitigations, user interface elements)

- Address further security concerns (e.g. CSRF)
- Figure out how React works and possibly incorporate it into the app

Provides real value to users

- Students can already join classes and post/comment/delete/upvote/flag. Students can also find other classmates and be able to use the MVP to interact with other students.

Provides opportunity for feedback

- Yes

On path to full product

- Yes