CSC309 Project Proposal

- A paragraph or two describing what your web application is all about. What is the **overall purpose** of your project? Who does it serve and what benefit does it give them? Explain at a high level what users will be able to do using your website.
  - "A Coder's Kickstarter"
  - Our web app facilitates the creation of a software project and the gathering of its team.
  - A Software Project is described and who it potentially needs to build it is specified.
  - Coders can fund/join any project they would like to code for (and fit the coder description). They commit themselves to being a contributing member for this project.
  - Once a Software Project is fully funded, it is launched and its Team of Coders interacts with a local development environment to pull, push code and version control (or maybe we ignore this in favor of github, and add some communication features and use something from the github api)

- An explanation of how your website meets each of the **feature specification requirements** listed above (user profiles, user functionality, data, etc.), and a description of any additional features you are thinking of adding.
  - User Profiling
    - Regular user
      - People who join the web app with the intention of searching for projects to back and contribute toward
      - Represented by a profile - a block of text and images displaying a user's information
        - Perhaps we could automate the creation of dedicated sites for each user's profile?
      - Requires name/nickname and tech skills as a minimum
        - Tech skills and tools will be represented by distinct 'badges' that will be displayed on a profile
    - Administrator

- Able to do everything that a normal user can do.
- Can assign "Staff Favourite" badge to projects
  - Regular user functionality, authentication, authorization
    - Users will be authenticated by the web app with usernames and passwords
    - Upon logging in to the web app, users should be able to view and interact with coding project proposals posted by other users.
      - We are considering a "Popular Now" section that uses an algorithm that considers a user's skills and browsing history to select certain projects that might be of interest to a user and push it to the page where they browse projects.
  - Additional features
    - GitHub API integration
    - Options to share and display GitHub + LinkedIn profiles with varying visibility (e.g. only people in the same projects as you are able to see your LinkedIn, or a button to enable certain people to see)

- A more detailed list of the **user interactions** with the website. What are all the different things a user will do when they use your web app? When will you need to pull in data from an outside source (that is, data that isn't stored on the user's/client's machine)?
  - **Note**: User interactions should be more detailed than just 'user privileges'. For example, we don't want you to just say "a student user can add themselves to the student queue'" Instead, you have to talk about what the user would actually do when using your app, such as: "a student user will click on the 'Add To Queue' button of the queue view, which will make a popup appear, allowing them to add their name, and then...", and so on. Be as specific as you can while connecting it to your view descriptions.
  - **Upload a Software Project**
    - Using a form, describe a project with images and text, and specify its ideal team of coders. Submit the form with a button.
  - **Create/Update User Account**
    - Sign up for an account. Describe yourself and provide your set of skills into a form. Submit with a button.

- **Update Software Project (Admin only)**
  - Admin control over an active project. Start and end a software project, kick coders, edit metadata, etc. using form elements and submit buttons.
- **View Software Projects**.
  - View a list of Software Projects in a feed. Filter them based on tags and status. Click on one to read more about it and join its team.
- **Join a Software Project's Coder Team**
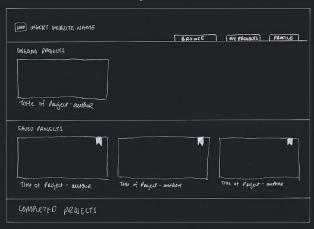 - Commit yourself to being an active and contributing member to the project. Click on the Join button on the Software Project's description page.
- **Contribute to Active Project**
  - Once a Software Project is launched, view its status on a dashboard page.
  - Upload code changes and pull code changes with upload/download buttons to the local repository holding the project's source code.

Sketches of what the **views** will look like to the user. These do not have to be fancy polished drawings, or HTML mockups. They can be rough, but must be legible. They can be scanned hand drawings.

Note: Your web app should be for a desktop-sized screen, not a mobile device. Please include sketches of what the app would look like on a fully maximized desktop browser. Mobile views will not be graded, and you will be required to make a desktop version of your app in later phases.

My Projects

LOGO INSERT WEBSITE NAME

BROWSE | MY PROJECTS | PROFILE

ONGOING PROJECTS

Title of Project - author

SAVED PROJECTS

Title of Project - author   Title of Project - author   Title of Project - author

COMPLETED PROJECTS

Browsing

LOGO INSERT WEBSITE NAME

BROWSE | MY PROJECTS | PROFILE

SEARCH   SORT BY: FILTER ▽

Project Image

Title of Project - author   Title of Project - author   Title of Project - author
JAVA Python HTML/JS   JAVA Python HTML/JS   JAVA Python HTML/JS

Title of Project - author   Title of Project - author   Title of Project - author
JAVA Python HTML/JS   JAVA Python HTML/JS   JAVA Python HTML/JS

⬭ = skills needed
⬭ = skills found
🔖 = saved projects

Profile

LOGO INSERT WEBSITE NAME

BROWSE | MY PROJECTS | PROFILE

Banner/Photo user uploads

Profile Picture

Github ⬚ website :

Name

TECH STACK
JAVA Python HTML/JS

PROJECTS
"PROJECT TITLE" (2024)
"PROJECT TITLE" (2021)
"PROJECT TITLE" (2020)