

## **Independent Project Requirements**

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#### **Functional Requirements:**

- A. The user should be able to login to their account using a prominently displayed 'login' button on the front page.
  - a. Login page
    - i. Once brought to the 'login' page the user should have the option of logging into their account or creating a new account.
    - ii. The user should also have an option to reset their password on this page.
- B. Once logged in the user should be granted access to their user dashboard.
  - a. User Dashboard
    - i. The user dashboard should allow users to view current projects.
      - 1. The user should be able to click on the title of a current project and be able to view project status.
    - ii. The user dashboard should allow users to create a new project after clicking a 'create new project' button.
      - 1. The 'create new project' button will lead users to a page where they can upload files, submit a description, and write a project title.
        - a. There will be an upload files button that will allow users to select a file from their device.
        - b. There will be a text box with a submit button so users can submit a project description.
        - c. There will be a text box with a submit button so users can submit a project title.
    - iii. The user dashboard should allow users to select a project and press a button to delete the project.
- C. Administrator users should be able to login to an administrator dashboard. Here they will be able to download user file uploads, view descriptions, and update the status on projects.
  - a. Administrator dashboard
    - i. The administrator dashboard will be able to see a list of projects that customers have created.
      - 1. Admins will be able to view the descriptions of a project
      - 2. Admins will be able to download customers uploaded DXF files.
      - 3. Admins will be able to post updates on the status of a customer project.

- D. The website will provide social media icons that link to the company's social media and the main company website.
- E. The administrator will have the ability to erase projects.
  - a. The administrator will be able to delete projects from the projects list on the management dashboard.
- F. The administrator will have the ability to erase user accounts.
  - a. Account management
    - i. There will be an account management section in the admin dashboard that will allow admins to permanently erase accounts.
- G. The website should be responsive
  - a. Mobile and Desktop compatible.

#### Inputs:

- Stored account information
- Uploaded files
- Project description
- Project title
- Project status updates

#### Outputs

- Project Status updates

#### Type of software

- Project management software

### **Non-Functional Requirements**

1. The website will be responsive and intuitive.
2. All stored data and account credential will be secure.
3. The website will be consistently available to the user. There will be minimal failure or unavailability.
4. The design of the website will be cutting edge and modern.
5. The website homepage will incorporate the company logo.

#### Design constraints:

- Must be compatible with popular browsers (Chrome, Internet Explorer, Safari).
- Must retain desktop functionality on mobile devices.

#### Commercial constraint

- One person will be working on this project in the beginning.
  - Manpower and time will be limited.

- When the website is ready to be scaled and publicized, the cost of a server will be discussed.
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