

CS 375: Web Development

Project Proposal

Team: CyberDevs (Formerly: Undecided)

Author #1: Fayaj Alam

Author #2: Hanae Ferahi

Author #3: Tauhidul Islam

Author #4: Phan Phong

Author #5: Tung Phi

Due Date: July 30, 2020

I. Project Description:

A. Website:

An e-commerce website for online shopping. It will be catered towards a certain group of people.

B. Users:

The primary users for our project are Drexel University students. It will contain items that they might need and want to be successful at Drexel. Other nearby college students may find some things useful.

II. Technologies:

A. Front-end and back-end technologies:

- Front-end: HTML, CSS, Javascript, ReactJS
- Back-end: Node.js

B. Libraries:

- Express, Axios

C. RDBMS:

- MySQL

D. The New Technology:

- ReactJS. ReactJS allows reuse and scale UI components.

III. Project Goal and Plan:

A. Goal:

- Week 6: Have a clear idea of what each team member should do for the project.
- Week 7: Setting up a database and have a demo front-end site. Connect the two. Brainstorming for more ideas to improve the website.
- Week 8: Collecting demo data for the database. Styling front end website. Adding features to the front-end
 - accessing the database on input for item suggestions during the item searching process.
 - Show item description on mouseover
 - Setting up user authentication
- Week 9: Hosting the website on a web-hosting service. Start working on the powerpoint.
- Week 10: Finishing up. Making sure everything works as intended.

B. Plan:

- Each member will try to do what is available each week. If they are good at something, they may take that task. Otherwise, we will try to finish all the tasks we have for that week.
- We will split up work into smaller, simpler tasks, so they can be easily completed within a certain amount of hours.
- We will use our class time to meet with each other, see what we have accomplished, what we are slacking on, and what we need to accomplish next.
- We will meet during class time, possibly weekends, and any other necessary meetings. We might meet for a few hours or until the specific task/problem is solved. The communication technology used will be Zoom, Slack, and any other means. We will be sharing code using github.

IV. Team Contribution:

Although defining and communicating roles and responsibilities is fundamental to a team's ability to deliver because a clear definition of responsibilities allows each team member to focus on their work, for this project we decide to rotate roles, reducing the overhead that comes with cross-functional work. So, everyone would gain some experience in the team leader's role (developer).

- Fayaj Alam: Developer,
- Hanae Ferahi: Developer, Web designer.
- Tauhidul Islam: Developer
- Phan Phong: Developer,
- Tung Phi: Developer,

V. Questions:

| <i>Questions</i> | <i>Answers</i> |
|--|---|
| Q1: How much time per week do you anticipate it will take to make the project successful? | Ans1: In Order to make the project successful, each team member must commit to at least 3 hours of work, which add up to 15 hours of work per week. |
| Q2: Is it acceptable for one or two team members to do more work than the others in order to get the team an A? | Ans2: <i>We would try as a team to work in parallel with equal amounts of work per each member to ensure quality and fairness.</i> |
| Q3: What will you do if one member doesn't contribute equally to the project? | Ans3: We would try to avoid that by assigning equal work to each member. |
| Q4: What will happen if someone doesn't follow through on a commitment (e.g. missing a deadline, not showing up to meetings, etc.)? | Ans4: We will try to use multiple communication platforms to better reach each member, if he/she doesn't respond we will reach out to our professor. |