Project Milestone 1: Project Proposal

Due. Saturday, June 15th, 2019

Overview

In this course, you and your team will undertake a software development project. You will propose an application, develop the application, document the development, test the application, and present the application in class. To help you complete the project, you will work towards a number of milestones. Your project grade will be based on the progress you make towards each milestone, the difficulty of your chosen project, and your final application.

All documentation, code, and other materials related to the project will be stored in a GIT repository. It is expected that team members will frequently update the files in the repository. Pair-programming is encouraged. If you pair-program, make sure you include your and your partner's name in the commit message.

For this first project milestone, you will write-up a project proposal.

What To Do

Part 1: Project proposal

As a group, you will write-up a project proposal. The format of the document is up to you, but your project proposal must include the following information:

1. **Team Name:** A moniker to be used in all presentations and documentations. It can be the name of your application or some other name.
2. **Team Members:** A list of the team members (first and last name).
3. **Project Description:** A short description of the project (2-3 paragraphs). What will the application do? How will it be used? Who are the users?
4. **Vision Statement:** A simple, one-sentence statement describing the value and hopes of the application you intend to develop.
5. **Motivation:** Describe the background and reasons for developing this product.
6. **Risks:** What are the known risk that may prevent your team from completing this project on time? Risk might include lack of experience with programming, lack of access to specific resources, the working environment (i.e., a distributed or remote team).

7. **Version Control:** Briefly describe the version control method and repository you will be using for the deliverables create for the project. GitHub is strongly recommended.

8. **Development Method:** Which software development methodology will your team follow? Describe the methodology and the steps you will follow.

9. **Proposed Architecture:** Propose an architecture for your application. What technologies will you be using on the backend? What technologies will you be using on the frontend? How will they communicate with each other? Which technologies will be responsible for which functionality?
Note, you don't need to have all of these questions answered. You will learn about backend and frontend technologies throughout the course. You might speculate what you will use and change your mind later.

What To Turn In

As a group, you will submit a single PDF document name "Project-Proposal-<Team Name>.pdf" on Canvas. Only one member of your group must submit this document.