CS320 Project Milestone 3: Software, Presentation and Final Report

Instructor: Xinghui Zhao   Due: 11:59pm on 12/13/2018

1   Introduction

Now that you have an approved software design, you should start working on the implementation of the software, as well as the testing. During the development phase, you should use GitHub for version control. The final deliverables of the project include the software, documentation (project final report), and an oral presentation.

2   GitHub

You are required to use GitHub for the project. Please make sure that your project page has the following information:

- A brief description about the project.

- Team members.

- Current status of the project (e.g., design phase, prototype phase, implementation phase, testing phase, completed phase, etc.)

Note that from now on, I will periodically check your commits on the GitHub. I expect all team members actively work on the development, and there are regular commits in the repo, at least one per week.

In your GitHub repo, maintain two folders, one "app" folder which contains all the source code, and one "doc" folder which contains the final report, screenshots, and other non source code files.

3   Software Implementation

For the implementation, you should start with the user interface design, and develop mockup pages for the app. You are not required to use Semantic UI for the project, although it is recommended that you use some UI framework. Similarly, you may choose Meteor or any other web app frameworks to use.

You should try to make a tentative schedule for the development, so that you can submit the final deliverables on time. A reasonable timeline would be:

- Mockups: 11/17

- Backend implementation: 12/1

- Testing: 12/7

- Final report: 12/13

4 Final Presentation

In the week of 12/3, you and your team members should present the project in class. A detailed schedule will be posted on Blackboard. Note that you should practice offline and make sure that you can finish your presentation in the assigned time slot. You will be timed on the presentation day. In terms of the format of the presentation, you can choose one from the following:

- Powerpoint presentation: If you choose to use powerpoint, you can send your slides to me via email on the day before your presentation day, so that I can put all the slides together to streamline the process;

- Live demo: If you choose this format, you can use your own computer. But please make sure that your device works with the projector. We have both VGA and HDMI cables. It is a good idea to test it out before the class.

5 Final Report

During the development phase, you should also work on writing the final report. A template is provided. It is easier if you complete the sections while you are developing the application, as opposed to waiting until the end of the semester to do it.

The template has instructions in each section, make sure that you follow those instructions carefully. Here is a list of the required sections:

- Introduction: an overview of the project (you can use some of the text from your SRS);

- Design: this includes both the system modeling (if you have updated your UMLs) and the interface design (screenshots of mockups);

- Implementation: explain the development environment, tasks distribution among team members, and challenges you must address during the development;

- Testing: explain the testing plan, and your strategies of testing both functional and non-functional requirements;

- Analysis: explain the lessons learned during the process.

6   Submission

This assignment is due at 11:59pm on 12/13/2018 **(this is a hard deadline)**.

Each team should submit the following files (only one representative needs to do this):

1. Final report in PDF format;

2. Source code in a zip file.

7   Grading Scheme

The project contributes to 20% of the final grade. For your information, the grading scheme is shown in the following table.

Items	Percentage
Software Quality	30%
Team Collaboration (your contribution to the project)	20%
Presentation	20%
Final Report	20%
Use of Git	10%