

CS320 - Project Milestone 3

Due December 16^h, 2020

Group Project: Software, Demo, and Final Report

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 updated SRS), and a live demonstration.

2. GitHub

You are required to use GitHub regularly for this 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 I will be checking your commits on the GitHub. I expect all team members actively work on the development, and that there are regular commits to the repo. A team members grade could be severely impacted if they do not participate on the project with their teammates.

In your GitHub repo, start to organize it with 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.

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3. Software Implementation

For the implementation, you should've started with the user interface design and develop mock-up 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 any other web-app frameworks to use.

If you haven't, make a schedule for the expected completion of the different components of the Final Submission, or meetings where it will be done, so that each team member is aware of what's expected.

The different segments (the third is a combination of the first two):

- Mock-up Visual Pages
- Backend Implementation
- Combined Deliverable
- Testing
- Finalize the Reports

4. Live Demonstration

You should make an appointment (15 minutes is the target) with me to demo your software. The demo does not have to be the final version. The demo can be done either in the week of 12/9 to 12/10 (last week of instruction), or 12/15 to 12/16 (finals week). The time frame will be 10am to 1pm with first come first served on appointment times. I'll set up a discussion forum people can post requested times to and keep an updated list for.

In the demo session, you should show me the current status of the software in a live use case. So, for the demo it must be functional and showing source code won't be useful.

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5. Final Report & Revised SRS

As you wrap up the development phase, you should also work on writing the final report. A template is provided. 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 for this section)
- Design: this includes both the system modeling (if you have updated your UMLs) and the interface design (screenshots of mock ups)
- 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

The SRS should also be updated with the new aspects of the software. Also, if changes were suggested in the SRS grade by the TA they should be made to this version before submission. Make sure to update the Version info with this updated version of the SRS. (Note: the user interface section 3.1.1 can be left alone unless it was completely redesigned during development.)

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6. Submission

This assignment is due at 11:59pm on 12/16/2019 (this is a hard deadline, no late assignments accepted).

Each team should submit the following files as a zip or tar etc. (only one representative needs to do this):

1. Final report in PDF format
2. Updated SRS Document in PDF format
3. Source code in a zip file
4. Git log, including a link to the git repository.

7. Grading

This assignment will be graded out of 100. It contributes to 25% of the project grade. For your information, the grading scheme is shown in the following table.

Milestone 0: Team Agreement 5%

Milestone 1: SRS 30%

Milestone 2: UML 25%

Milestone 3: Final Submission 40%

Sections	Percentage
Software Development	30%
Software Testing	10%
Live Demo	15%
Finalized SRS	10%
Final Report	25%
Use of Git	10%