CS320 Project Milestone 1: Software Requirements Specification

Instructor: Xinghui Zhao Due: 11:59pm on 10/7/2018

1 Introduction

The objective of the CS320 course project is to learn and experience processes and methods of software engineering by designing and developing a self-defined, small scale software system in a team setting. In the rest of this semester, your will work with your teammates to further explore the topic, define a software requirement specification (SRS), design a software system, implement the software system, test it and provide complete documentation and source code at the end of the semester.

The minimum expectation for the scope of the software are as follows:

1. It is a web application.
2. It has a landing page which helps a user to understand what the application is about.
3. Besides the landing page, it has multiple other pages.
4. It has some data to maintain/manipulate.

2 Software Requirements Specification (SRS)

A software requirements specification (SRS) is a description of a software system to be developed. It lays out functional and non-functional requirements, and may include a set of use cases that describe user interactions that the software must provide.

Software requirements specification establishes the basis for an agreement between customers and contractors or suppliers on what the software product is to do as well as what it is not expected to do. Software requirements specification permits a rigorous assessment of requirements before design can begin and reduces later redesign.

A template SRS with detailed explanation is provided for you to use. Please download the template, and complete the sections for your project. This includes the following:

- Fill out each section of the document. If a section of the SRS is not applicable to your project, state this in the document and explain why.
- Construct detailed Use-Cases (Section 3.3 of the SRS) describing scenarios of using the system.
- Functional requirements should be described in section 3.2, and then specified using use case diagram(s) in section 3.3.

- State non-functional requirements in section 4.
- Keep track of group meetings in Appendix B.
- Use complete and precise sentences in your SRS document.
- Use Git to collaborate with teammates (you can make the repository public).

3 Submission

This assignment is due at 11:59pm on 10/7/2018.

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

1. SRS document in PDF format;
2. The git log of the team work. This can be a screenshot of the commits on GitHub. Please make sure that each commit has a meaningful description.

4 Grading Scheme

The SRS itself won't be graded, but it is part of the project, which contributes to 20% of the final grade. I will read all the SRS and give you some feedback to guide the project.