

# **CS320 - Project Milestone 1**

**Due November 6<sup>th</sup>, 2020**

## **Group Project: SRS**

### **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, you 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.

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A template SRS with detailed explanations 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).

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## 3. Submission

This assignment is due at 11:59pm on 11/06/2020. Late acceptance will be up till 11:59pm on 11/09/2020 for a 20% mark down.

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 text document (with formatting issues cleaned up if needed) or a screenshot of the commits on GitHub. **Please make sure that each commit has a meaningful description.**

## 4. Grading

This will be out of 100 points, but will be worth a total of 30% of the projects grade.

Milestone 0: Team Agreement 5%

**Milestone 1: SRS 30%**

Milestone 2: UML 25%

Milestone 3: Final Submission 40%

Sections	Percentage
Introduction	15%
Overall Description	15%
Use Cases	20%
Other Sections in Specific Requirements	10%
Non-functional Requirements	20%
Grammar and Writing Quality	10%
Git Log	10%