

CS4366: Senior Capstone Project Fall 2020

Project #2: Software Requirements Specification (SRS)

- Release date: Sept 4th, 2020 (Friday)
- Due dates: **Sept 22nd, 2020 (Tuesday) before 5:00 PM (FIRM DEADLINE)**
 - **Project report** [10 pts]
 - **Presentation slide and recorded presentation** [10 pts]
 - Submit report (e.g., Word), presentation slide (e.g., PowerPoint), and recorded presentation (e.g., mp4) files (per team) through the Blackboard
 - The file names should include project number and team name, “proj#_project_name”. For example, proj2_MyProj.doc, proj2_MyProj.ppt, and proj2_MyProj.mp4
- Total 20 pts
- Type your all team members' FULL name in the cover pages of project report and presentation slide.
- NO hand-written project report will be accepted.

Description

Analyze potential target users and identify any function and performance requirement of your system.

(i) First, in order to analyze the users, interview (e.g., zoom, call, email, etc.) at least THREE users who are not taking CS4366. Be specific on the users, for example range of age, culture, computer/IT experience, attitude, and anything you may think important. Prepare several questions and log interviews (1 or 2 pages) and summarize them (half page). (ii) Refer to IEEE Std 830-1998 (IEEE Recommended Practice for Software Requirements Specifications; pp.11 – 20 only) and fill out each section/sub-section. If a section/sub-section is not related to your project scope, you can skip (e.g., 5.2.1.3 Hardware Interface). Here, you should explain for skip. (iii) In order to fill out sections/sub-sections (e.g., 5.3.2 Functions), you should identify the existing functions, and suggest new functions and their features. List all the functions that your system should support. Consider any data requirement and data input/output of your system. Explain as detail as possible, for example, function environment, constraint, trade-off, and anything you may think important.

The overall project schedule is given:

- Project #1: Project Plan (PP)
- **Project #2: Software Requirements Specification (SRS)**
- Project #3: Software Design Specification (SDS)
- Project #4: Implementation and Partial Demo (IMP)
- Project #5: Validation and Full Demo (VD)

Deliverables

In this project, you should

- Submit a report (letter size; 11 font size; single-space) including.
 - Project description (1 or 2 paragraphs) – remind me
 - Interview log (1 or 2 pages) and summary (half page)
 - SRS based on the IEEE Std 830-1998
- Prepare a 10 minutes presentation slide accordingly, and present your system and receive feedback from instructor and other classmates during the class, starting from **Sept 23rd, Wednesday**. The presentation schedule will be announced later.

Grading policy

Your project report and presentation slide should look professional in the sense of completeness, clarity, consistency, and labeling. You may use pictures, graphs, and tables if they can help. You will be evaluated based on the followings:

- Clarity of project definition, motivation, expected functionalities, and expected outcome(s).
- Quality of project report
- Quality of presentation slide and recorded presentation (10 minutes)