

SRS Assignment Description

4ZP6

Fall 2023

Due date: Oct 20 at 11:59 pm

Submit one per team on Avenue.

Page limit: 10-14 (strictly enforced)

Format: Use single space and size 12 font.

What is SRS: This will detail your product features and expectations.

- I covered this in Lecture 2 (see the slides posted on Avenue).
- Under Files in our Teams channel, you find both samples from previous years and a template for SRS (which is very detailed, you won't need all components).

Note: Think about SRS and write it at the same time you devise your "Project Plan" due on Oct 27th. These are essentially two parts to the same document. Plan every step (who does it, when, with what tool) while you write the SRS. But those details would go into your plan.

Minimum requirements:

- 1) Title
- 2) Version [Version 0 would be what you submit on Oct 2]
- 3) Personnel of the project and their roles
- 4) List of abbreviations and notations, naming conventions and definitions
- 5) Table of contents and contributions (Who contributed what part, in a table format)
- 6) The Purpose of the Project
- 7) The Client, and other Stakeholders
- 8) Project Constraints (high level choices you have made or that are mandated by your supervisor) and relevant facts. Examples are: app versus web-based or limiting your solution to certain scenarios. ***Please consult your supervisor if you have one.***
- 9) Functional Requirements (formal list with priority ranking (P0-P3)). Include details about what data is needed for building each function. This is the most important section and needs to clearly state what you will build. Detail both backend and frontend features. ***Please consult your supervisor if you have one.***
- 10) Data and Metrics (This is particularly important for ML/AI projects, but metric could be important for any project with quantitatively measurable outcomes):
 - a. For each feature, explain what data, if any, you will use to train/build.
 - b. Links to dataset or a clear plan to obtain or simulate data
 - c. One or more performance metrics (accuracy, precision, recall, area under ROC curve, area under precision-recall curve). Explain why you think the metric is relevant. Also set expectations (Goal for the metric).
- 11) Non-functional requirements (refer to the template for a full list).
 - a. Look and Feel Requirements
 - b. Usability and Humanity Requirements
 - c. Performance and speed requirements
 - d. Security and Privacy
 - e. Legal
- 12) Risks and issues predicted.