

Assignment – Project [2]

CSE 406 – Software Engineering

Submit in Class

Milestone	Submission	Due Date (tentative)
Requirement Analysis	A. Proposal/Requirement document	Oct. 4 and 11
Specification	B. Specification document - structured system/object-oriented analysis	Nov. 1 and 8
Design	C. Design document - architecture design	
Implementation and Integration	D. Implementation - Source code, testing, USE CASES	
Demo Final Paper/Source Code	E. Presentation, User guide - INSTALLATION guide	

****Submission for A:**

- Please use the IEEE paper template (doc or latex). You can download it here:
http://www.ieee.org/conferences_events/conferences/publishing/templates.html
- Make sure to include the title of your project, your names and group name.
- In abstract, provide a summary of your project proposal. More details should be given in the context.
- List out your requirements and explain each. The document organization is completely up to you. However, I would suggest something like:

Paper Title – project title

Authors – members, group name

Abstract – summary of project proposal

Role Assignments (till the middle of the term):

Roles	Name	Task description and etc.
User		
Customer		
Software developer		
Development manager		

- I. Introduction
your motivation, problem statement (client's needs),
research on any related software
- II. Requirements
 - A. Requirement 1
 - B. Requirement 2 ...

**Submission for B:

- Setup a version control system for your code management. You can use any of the followings or other similar services:

<https://github.com/>

<https://about.gitlab.com/>

<https://bitbucket.org/>

<http://sourceforge.net/>

- For your documentation (A&B), you have to create a latex file and upload it to the version control system. Please refer to the latex sample in IEEE paper template url.

III. Development environment

A. Choice of software development platform

Which platform and why? (e.g., Windows, Linux, Web, or etc.)

Which programming language and why?

Provide a cost estimation for your built.

(including any purchase of software/hardware)

Provide clear information of your development environment.

(e.g., version of software, OS version, your computer resources)

Using any commercial cloud platform (e.g., Amazon's EC2) is definitely a BONUS.

B. Software in use

Any existing software or algorithm in use? (doing a similar task as your proposal; provide a proper reference if there is any)

C. Task distribution (If you want, you can provide this later at the next phase - design)

Which member is responsible for what?

IV. Specifications

For all requirements above, you should provide details of how you can achieve each.

A. Requirement 1

Describe a detailed description of implementation process (e.g., pseudocode level) under your development environment. Any type of graphical representation is also recommended.

B. Requirement 2

Like-wise

At this point, you can change anything in the introduction/requirement sections and make changes accordingly in the upcoming section. DO NOT hesitate to change.

**Submission for C, D (together):

Submission:

- Print a copy of your document and submit in class.

No late submission is allowed. It is your responsibility to meet the deadlines.