

# SRE PROJECT

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## What to make?

Each team is required to come up with a great idea (Problem Domain) make a plan and submit report with a presentation. It can be either purely concept of software or a combination of software and hardware. You must choose at least one of the options for technology, but if any team is optimistic enough: can choose all of the available options.

## How is a team made?

A team is up to four/five students same as your assignment group members. In addition to each team, other people are allowed to help. A team can have a mentor, who advises on the project.

## Problem domain

Find a problem where you are using a system manually. The running system can be for the purpose of your own life, community, or working place. You may face challenges, limitations of that manual system. Therefore propose a computerized system through a project that can solve the problem of existing manual system and life makes easier.

## Technology

Web, Desktop, Mobile Phones/Handheld Devices

## Marking schemes

- ❑ **Finding Problems: Finding the problems of existing system [5%]**
- ❑ **Concept [ 5% ]**
  - Does the project have a clear target market or audience?
  - Does the project address a clear need, problem, or opportunity and is the solution clearly explained?
- ❑ **User Scenario (User Story) [ 10% ]**
  - Does the user scenario clearly depict a user's journey through the most important functionality of the project?
  - How well does the user scenario address the specific needs of the intended target audience?
  - Does the user scenario demonstrate reasonable user paths within the user scenario?
  - Is the user scenario well labeled and explained? Can one understand the scenario just by examining this one document?

□ **UML [ 10% ]**

- Does the use case diagram include the major use cases needed to deliver on the user scenario?
- Does the use case narrative clearly depict the mentioned use cases?
- Does the activity diagram include the major activities needed to deliver on the user scenario?
- Does the class diagram include the major activities needed to deliver on the user scenario?

□ **UI Design Specification [ 10% ]**

- Information Architecture
  - Does the information architecture diagram include the major screens/menus needed to deliver on the user scenario?
  - Are the major interactions on each screen clearly listed and appropriate? Is anything important missing?
  - Are the connections between screens/menus shown and do they seem complete and reasonable?

□ **Findings, Challenges and Conclusion [ 10% ]**

□ **Presentation [ 10% ]**

**Documentation:**

**Prepare the report (9-11 pages) in pdf with cover page and spiral binding**

**Report Format:** Times new Roman, font size 12, line spacing 1.5, paragraph justify, APA reference/citation.

**Report plagiarism** will strictly check so don't copy from others.

**Prepare PowerPoint slide** presentation (15 min presentation and QA time)

**Presentation Date:** August 7, 2022

**Report Submission Deadline:** August 18, 2022