

Project Milestone Document

You are required to come up with your own project title and functions related to a **web-based** application that can be developed within a **maximum of nine weeks**. The function(s) of an individual member should consist of at least **insert, update, delete, and search CRUD operations** and a **report generation** part.

From the beginning of the implementation of the project, each group **must** use the following four tools:

- Azure Boards - For planning and managing the project
- GitHub - For easy branching and merging of the entire codebase of the project (version control management)
- SonarQube - For continuous inspection of code quality
- Selenium - For testing the system

Along the development of the project, there will be five milestones:

➤ **Milestone 1 (Assessment on interfaces)**

- Presenting a report that includes a brief description of the project along with the responsible function(s) of each member and sketched interfaces of the system.

➤ **Milestone 2 (Sprint 1)**

- Submission of a demo video that includes the function(s) required for sprint 1 along with relevant validations.

➤ **Milestone 3 (Sprint 2)**

- Presenting the fully developed system. You are required to complete all the functions with proper validations, and the system should be integrated.

➤ **Milestone 4 (Assessment on tools)**

- Submission of a report that proves the usage of the following four tools: Azure Boards, GitHub, SonarQube, and Selenium.

➤ **Milestone 5 (Assessment on research)**

- Presenting a research paper written based on the system developed or to be developed.

Separate instruction sheets will be uploaded to the course web module page by including more details on what needs to be done for each of the above-mentioned milestones.

Any matter related to the project should be raised to Mr. Samitha.

Milestone Timeline

Milestone No	Assessment Name	Marks	Submission Date/Evaluation Starting Day - WD	Submission Date/Evaluation Starting Day - WE	Responsible Staff Member
Milestone 1	Assessment on interfaces	8	9-Aug (Evaluation) On 24-Aug (Submission)	13-Aug (Evaluation) On 24-Aug (Submission)	Ms. Hansi (hansi.m@slit.lk)
Milestone 2	Sprint 1	16	On or before 4-Sep (Submission)	On or before 4-Sep (Submission)	Mr. Samitha (samitha.v@slit.lk)
Milestone 3	Sprint 2 (Presentation & Viva)	20	27-Sep (Evaluation)	1-Oct (Evaluation)	Mr. Samitha (samitha.v@slit.lk)
Milestone 4	Assessment on Tools	12	On or before 13-Oct (Submission)	On or before 13-Oct (Submission)	Ms. Piyumika (piyumika.s@slit.lk)
Milestone 5	Assessment on research	14	18-Oct (Evaluation) On 27-Oct (Submission)	22-Oct (Evaluation) On 27-Oct (Submission)	Ms. Thisuru (thisuru.d@slit.lk)