WEB-BASED DB APPLICATION FOR CSE-334

Proposal Guideline

You need to consider and propose a web-based DB application which you are interested in developing as the course project. Your application must provide some kind of online service(s) to SUST community for students, faculties and/or staff. This is intended to be team work of 2-3 members.

Your proposed web application should have the following characteristics or features:

a) It will need both static and dynamic UI to interact with users.
b) It will need to use database to store and retrieve shared information
c) There should be more than two types of uses or actors.
d) To access certain parts of the web application, user-authentication and/or user-authorization is needed.
e) Different users/actors will have different access permission to certain parts of the DB application, i.e. user access control is needed.
f) Some parts or use cases of the application should just consist of static web pages that open to public for all actors without authentication.

The following is what you need to write in your proposal:

1. Title of your proposed DB application
2. Your name(s)
3. Overview of the application, including
   ▪ Motivation or purpose (why you want to develop this application)
   ▪ What the application does or functionality in general
4. Use case diagram with actors and their use cases.
   ▪ Make sure to include "login" sub-use cases for those uses cases that their actors need to be authenticated.
   ▪ Make sure that for each actor, there is at least one secure use case that no other actors can access the use case
5. For **each** use case, write one paragraph to describe the use case
   ▪ The purpose of this use case
   ▪ How the actor(s) use the use case and how the system should response.
   ▪ Security consideration of the use case

You have to submit an **initial proposal** containing the info listed 1-3 before **03/02/2019**.