SWE 530 – Assignment 2

Designing a Project Part-2: DFD, ER, STD

The software project is the same with the previous assignment (chat application with simple task management). Some of the requirements were listed and the rest was provided via voice recording and the missing points were covered by your assumptions and proposals. For the previous assignment, the focus was requirements, use cases, mockup screens and listing the main entities.

For this phase (assignment-2), you are expected to:

1. Draw **Data Flow Diagrams** for explaining information flow, dependencies, relation with data-stores
2. Draw **ER Diagrams** with Crowfoot's Notation (here you focus on the persistent elements of the system)
3. Draw **State Transition Diagrams** for the entities that has state change
4. For each diagram, you should also give some explanation text about the diagram and prerequisites (if there is any). Don't forget that you are explaining your design; just giving the diagrams won't be enough.

Submission:

- Submission will be done over Moodle as a Turnitin assignment
- Turnitin-Similarity-Score should be less than 15
- You should submit a PDF file with the name <swe530_**a2**_studentID_surname.pdf> and that has a detailed report for presenting design and explanations.