Phase II deliverables:

Due date: April 12, 2022

The quality of the deliverables will be measured by:

* Completeness, (all functionalities that satisfies the requirements)
* Consistency, and (description and functions should be used in a consistent way)
* Traceability (should be able to trace from requirements to test case and user manual in terms of functionalities)
* Phase II: complete the SDD by referencing the sample table of contents in the IEEE Std 1016-1998 (annex A). Detailed description is in the Clause 6 of the standard. **The following items need to be included in the SDD as a supplement or as a part:**

1. Entity Relationship Diagram (**as a part of 3.3 – Data Decomposition**)
   1. May be used for data decomposition section in IEEE SDD
   2. Class diagram may be used in place of Entity Relationship Diagram
2. Database schema
   1. Show all the tables that are used by your project
3. Graphical User Interface (GUI) (include as 5.3 – User Interface)
   1. Menu screens
   2. Input screens and output screens
4. GUI Transition Diagram (**include as 5.4** )
   1. Must include all the GUIs used in the system.
   2. Identify all the events can cause a transition from one GUI to another, e.g., “click submit button”.
   3. Each transition event must be used with an arrow that connects one GUI to another with direction.
   4. Must show all possible transitions (by referencing usage scenarios)
      1. You may use your user story to verify the sequence of transitions
5. Traceability table (**include as 4.4**)
   1. You only need to list the IDs and names of each of the following items
   2. Map each user story to:
      1. Use cases
         1. A list of use case(s) for each user story
         2. Corresponding sequence diagrams
      2. Activity diagrams
         1. A list of activity diagram ID(s) for each user story
      3. GUI
         1. A set of corresponding GUI names that are used in each user story
      4. User manual
         1. Corresponding user manual section ID(s) for each user story
   3. The table will have 5 columns (user story, use case, activity diagram, GUI, and User Manual)
6. Use case, sequence diagram, class diagram, and activity diagram (**include as 3.4)**
   1. All the users and features (functionalities) in your application must be covered by at least one use case
   2. Sequence diagrams
      1. Sequence diagrams may be used to represent dependency and sequence of activities in each use case
      2. Each nontrivial use case must have corresponding sequence diagram
      3. One sequence diagram may cover more than one use case
   3. Class diagram
      1. Structure of the proposed system in terms of constituent classes
   4. Activity diagram
      1. A flow chart like UML diagram needs to be drawn for each use case (enhancement from phase I)
7. User manual that illustrates all the features of the system from a user’s point of view (**include as 5.5**)
   1. User manual must have corresponding numbering and heading for each feature
   2. Whenever necessary, GUI must be used to illustrate features in the system

**Deliverables**

* A presentation file that represents phase II deliverables
* A well-documented Software Design Document
  + Items 1 through 7 must be in one WORD file
* Meeting minutes (per meeting)
  + Responsibility of each team member
  + What has been done by each member
  + Any issues or any other topics discussed
  + What each member plan on doing
  + Attendance