

BIT302 - Assignment 3

Release date:	Week 1
Due date:	Week 13
Output:	Design and Testing Document Prototype 2
Value:	15%
Late Penalty:	5 marks per working day

Expected Learning Outcomes Assessed

- CLO1: apply software engineering principles and tools available to the software developer, such as software process methodologies, choice of algorithm, language, software libraries and user interface technique for developing a prototype
- CLO2: explain the concepts in software quality assurance and to test the prototype
- CLO3: perform planning and project management tasks for a prototype
- CLO4: communicate orally in groups and in writing technical documentation throughout the various stages of project development

Rationale

This task was designed to give students the opportunity to continue coding and testing the system from Assignment 2.

Task 1: Design Specification

Include any update the design specification document (in Assignment 2) and from the requirements documents you created in Assignment 1 (i.e. SSD, contracts, ERD etc)

Task 2: Coding and Testing (individual)

This task has been designed to develop students' ability to go on to the second iteration. Students are required to continue coding and conduct testing.

Task 3: Presentation and Collaboration

At the end of assignment 3, prepare 5-10 minutes presentation of your system. In this task you are also required to show evidence of how you have collaborated (Trello and Github) with your team member.

General Marking criteria and Submission Requirements

- All documentation must be word processed using Times New Roman font size 12 with 1.5 spacing.
- Use APA Referencing.
- Your report should consist of the following:
 1. Submit your Turnitin Report (<http://www.turnitin.com>)
 - Class Name :**STIKOM BIT302 2020**
 - Class ID : **23613881**
 - Enrollment Key : **SE2020**
 2. Assignment Cover Sheet
 3. Design and Testing Documentation
 4. Marking Scheme

The following criteria will be used to assess this task:

1. Follow up from Assignment 1 and 2

- Updates on the analysis/design documentation
- Problems faced in Iteration 1 and the solutions (if any)

2. Iteration 2 (individual)

- Identification of the remaining use cases to be developed by each
- Algorithm/Identification of plug-ins (optional)
- Screen Shots
- Test Objectives
- Test Plan, Method & Tools
- Test Cases: Unit Testing, Integration Testing, System Testing
- Test Analysis Report
- Conclusion/Review
- Updated Trello/Gantt Chart

3. Conclusion/Review (Individual)

- Did the group meet the objectives defined in Assignment 1?
- What went wrong and what went right?
- What you would have done differently?

4. Presentation

You will be required to present your

- live demonstration of prototype 2
- collaboration via GIT/Trello