SLIIT
Discover Your Future

BSc (Hons) in Information Technology

Year 2

Assignment

IT2020 – Software Engineering Semester 2, 2020

Instructions:

1. This assignment is to be done with the same group as per the OOP grouping.
2. Topic allocation of each group will be uploaded in the course.
3. **Do your assignment for the given topic.**
4. **Identify different functions for the topic allocated for you. (Each member should have a separate function)**

   Example: 4 members group – 4 different functions with equal scope.
5. **All the functions must have equal scope and should have considerable amount of work. (Ex: Do not take login as a function for single member).**
6. **Each group member is responsible to write a use case scenario, draw a sequence and a communication diagram according to the guideline given at the end of this document.**
7. **Overall assignment should include 4 use case scenario, 4 sequence diagrams and 4 Communication diagrams.**
8. Late submission will be penalized by 5 marks reduction per day.
9. You have to submit the softcopy of the assignment.
10. Assignment deadline will be published on course web and links will be available.
11. Follow the link on course web for softcopy assignment submission – Separate Links will be available for each batch. Make sure you submit it to the correct link.
12. Plagiarism will be penalized.
13. Each member's contribution must be given at the end of the document using following format. (**No marks will be allocated for a member whose contribution is not mentioned**).

Reg. No	Name	Function Name

14. You must attach the cover page for the document. Cover page format is given in course web.

Guidelines

1. Use a software to draw the diagram/s (any software)	5 marks
2. Selecting a main use case with enough functionality	05 marks
3. Write the use case scenario for the use case you have selected for the sequence diagram.	15 marks
4. Identify correct class stereotypes for the use case scenario	10 marks
5. Correct use of at least **three** of the following concepts /frames • Iteration concept • Conditional concept – (ALT and OPT) • Parallel execution concept • Ref Concept	30 marks
6. Correct use of messages • Synchronous, Return, Asynchronous , self-call, Create, Destroy	10 marks
7. Communication Diagram • Draw a Communication diagram for the same use scenario you drew the sequence diagram	20 marks
8. Overall completeness of the design document.	05 marks
Total	100 marks