

Assignment 2

Instructions:

- This assignment is to be done as an individual assignment.
- **This assignment has two parts and carries 10% weight on the final mark.**
- The assignment should have **Assignment 2 Cover Sheet** and **Assignment 2 Certify Sheet** as first two pages.
 - **Assignment will not be valid if those are not attached.**
- The case study is the same which is selected for ISDM, OOC and IWT modules and which was considered for Assignment 1.

- Each member must choose a Use Case which is different from the other members.
- The chosen Use Case should have enough depth to cover different components of an Activity Diagram.
- You must draw two activity diagrams for part 1 and part 2.
- Use a software to draw the activity diagrams.
- The diagrams should be clear with meaningful names for actions.

- **Marking Guideline is uploaded to Courseweb.**
- **You can use the concepts we discussed in the lecture and labs or from other resources and apply those to your specific case study.**
- **You could make any realistic assumptions related to the case study and please write those assumptions.**
- **You must do the assignment on your own. None of the contents should copied from other resources.**

- *You could refer Software Engineering by Ian Sommerville – 10th edition or any other resources.*

Part I

- 1) Write the Use Case Scenario for your selected Use Case.
- 2) Draw an Activity Diagram for the Use Case Scenario in 1) ***without partitioning***.
The Activity Diagram should include few **or** all of the following
 - a. Decision and Merge
 - b. Fork and Join
 - c. Iterations
 - d. Call Actions

Part II

- 1) Identify the sub-systems for your Case Study topic. Include different levels of sub-systems.
 - a. Level 1 – consider the whole system
 - b. Level 2 and below – consider the sub systems for your use case scenario
- 2) Redraw the Activity Diagram in Part I – 2) **with partitioning**. Use the sub-systems you identified in Part II – 1) as Swim Lanes.

Important Points

- 1. Late submission will be penalized by 10% reduction per day.**
- 2. Assignment deadline will be published on course web.**
- 3. Follow the link on course web for assignment submission.**
- 4. “ Turnitin ” tool will be used to detect plagiarism**
- 5. Plagiarism will be penalized.**