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.**