

**ASSIGNMENT # 3**  
**CSE/CIT 337**  
**DUE DATE: Oct 16<sup>th</sup>, 2016**

This group assignment is required to be completed in group of 4 members. This should form a set of requirements for your term project as well. This assignment requires good amount of brain storming and discussion to define detailed requirement. Each group is required to submit only one document. The document must clearly identify each contributor's name and contribution. All the documents submitted for grading in this class must have proper version history.

The process of requirements capture from unstructured to structured requirements was covered in the class. For this assignment, you are required to create a complete system software requirements for some hypothetical project which will develop in the second half of the class. As part of this assignment, you must submit a Vision document, Various cross cutting scenarios, functional and non-functional requirements, use cases, and UI mock designs in form of wireframe or actual screen designs.

- Create Vision document -10pts
- Create various scenarios scenarios that describe the operation the system. - 10pts
- Identify the functional, and non-functional requirements of the system. - 20pts
- Identify the system actors - 5pts
- Create a UML Use Case Diagram to capture the set of actors and use cases identified - 5pts
- Write the detailed use cases of your system - 50pts
  - The use cases must clearly and accurately discuss
    - Name
    - Pre/Entry-condition
    - Trigger
    - Post/Exit-condition
    - Main flow of events – identify all data elements
    - Exceptions and alternate actions
    - Special requirements – if any

**Criteria for grading:**

- Linguistic accuracy of each defined requirement
- Formal quality as defined by various requirements attributes
- Completeness of requirement
- Complexity of your use cases and scenarios (login / logout use cases will receive zero grade)
- Accuracy and naming of use case model
- Clear understanding of domain. If you need to learn it from any tool rental place, visit them and learn your domain