

## **Design Document for OOAD Project**

1. Introduction
  2. Use case Modeling
    1. Use case diagram
    2. Use case description (In use case description, It is necessary to describe each use case by success scenario and unsuccessful scenario/alternative scenario.)  
Such as . . .
      - 2.1 Use case Description for Use case 1
        - 2.1.1 Use case Description for Success Scenario
        - 2.1.2 Use case Description for Unsuccessful/alternative Scenario
      - 2.2 Use case Description for Use case 2
        - 2.2.1 Use case Description for Success Scenario
        - 2.2.2 Use case Description for Unsuccessful/alternative Scenario
  3. System Sequence Diagram (It is also necessary to draw sequence diagram for success scenario and alternative scenario of each use case.)  
Such as . . .
    - 3.1 Sequence Diagram for Use case 1
      - 3.1.1 Sequence Diagram for Success Scenario
      - 3.1.2 Sequence Diagram for Unsuccessful/alternative Scenario
    - 3.2 Sequence Diagram for Use case 2
      - 3.2.1 Sequence Diagram for Success Scenario
      - 3.2.2 Sequence Diagram for Unsuccessful/alternative Scenario
  4. Operation Contracts (In operation contracts, it is essential to clarify the pre conditions and post conditions for each use case of success scenario and alternative scenario.)
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3. Domain Modeling
  4. Class Modeling as Dynamic Modeling
    - 4.1 Class Diagram
    - 4.2 Sequence Diagram (Here, you have to draw sequence diagram for each use case of success scenario and alternative scenario. )  
Such as ...
      - 4.2.1 Sequence diagram for use case 1
        - 4.2.1.1 Sequence diagram for success scenario
        - 4.2.12 Sequence diagram for unsuccessful / alternative scenario
      - 4.2.2 Sequence diagram for use case 2
        - 4.2.2.1 Sequence diagram for success scenario
        - 4.2.2.2 Sequence diagram for unsuccessful / alternative scenario
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- A. Supplementary Specification
    - A1. Non Functional Requirements
    - A2. Glossary