

Lab 10: Problem Statement

Task 1: To develop a brief project proposal document of a web development project.

- It must be a data driven web application
- Incorporate state management
- Validation is mandatory
- Data security is essential
- Users and roles based software functionalities to be incorporated

Task 2: To write software requirements specification

Task 3: To develop the analysis and design model of web application including:

- Use case model
- Sequence diagrams
- Activity diagrams
- Class diagrams

Task 3A To develop component model and deployment model

Task 4: Develop database model including:

- ER Model
- Relational Model
- Normalization of relational model
- Physical Model
- SQL Implementation

Task 5: To implement the web application using concepts and examples studied in course.

Task 6: To host the application on a web domain.

Database can be on local machine Or on web hosting platform

Task 7: Testing of Web Application