

Problem 1) Develop an application for preparation of a quiz and its online conduction. The key features to be considered are as follows:

Develop a page for user authentication. Create some users for your application. Assign user roles as described below.

Divide the users into three types of roles:

- (i) Teacher
- (ii) Student
- (iii) Administrator

Implement authorization so that appropriate interfaces are displayed to each user.

Develop suitable interface for teacher to enter questions including the following:

- (i) Question statement
- (ii) Answer options
- (iii) Correct choice

Develop a suitable interface for student to attempt quiz and save his answers.

It is recommended to change order of questions and also order of options.

At end of quiz display and store student results.