Assessment System is assessment creating and assessment taking tool.

1. User can login with username and password.

2. Professor users can create questions. Question types: Multiple choice, true/false, multiple selects , Radio button select

3. Professor users can add questions into assessment.

4. Students(users) can take the test.

5. Tests submitted by students are graded and the grades are displayed to the student.

6. Grades are ratio numbers displayed as (points scored/total points)

**User Management**

There are 2 types of users.

1. Administrator

1. The professor and student details are entered into the application.

2. The user role is provided by the administrator.

2. Student Tasks handled by Student 1. login using username and password 2. take test

3. Professor Tasks handled by Professor 1. create assessment 2. create question into the assessment

**Take assessment**

1. Student clicks start assessment button to start the test.

2. Student is displayed one question at a time. Students answers the question and clicks next button

3. The answer is recorded and next question is displayed after the next button is clicked

4. At the end of questions, users can submit the assessment.

5. When the assessment is submitted the final score is displayed to the student.

**Registration**

1. Admin is 'super user' login to the application.

2. Access the UserRegistration Screen.

3. Enter the user details and assign roles to the user.

4. The information is stored in database.

**Create assessment**

1. Professor goes to assessment list page, and clicks a button to add assessment.

2. The assessment create form is displayed. Professor fills assessment name and saves the assessment. (Once the assessment is created the request is redirected to add/edit question page).

3. Professor can see a page that lists all the assessment created. Each assessment in the list have 2 action buttons: edit and questions.

I. edit button takes to the form to update name of the assessment.

II. questions button displays list of questions.  
  
   
  
**Create Questions**

1. Professor goes to question list page, and clicks a button to add question.

2. The assessment create form is displayed. Professor selects the type of question question to be added.

3. Based on the question type selected additional fields are displayed specific to the type of question.

4. Once the question is created the request is redirected to question list page. Each question in the list have an action button: edit.

5. edit button takes to the add/edit question page which displays the same form as add question page with the form fields filled.  
  
   
  
Reports

1. Show the student Assessment report to Student.

2. Show the all students assessment report to Professor.