System requirements:

***Admin:***

Format: System shall … *[What to do ?]* …. *[Supporting detail ?]*

*E.g: System shall list all questions with question statement, all multiple choices and correct choice*

- **Admin login/logout:**

1. System shall allow administrators to either login or logout

* **Topic**

1. System shall create a new topic including topic name
2. System shall list all existing topics including topic name
3. System shall update topics including topic name
4. System shall delete topics

* **Classification:**

1. System shall create a new difficulty (selecting one of the: Easy, Medium, Hard)
2. System shall list all existing difficulties including Easy, Medium, Hard
3. System shall update difficulty (switching between: Easy, Medium, Hard)
4. System shall delete difficulty

* **Question:**

1. System shall create a new question including Question statement, 4 choices with 1 correct choice, image (if any), topic, classification
2. System shall list all questions including Question statement, 4 choices with 1 correct choice, image (if any), topic, classification
3. System shall update question including Question statement, 4 choices with 1 correct choice, image (if any), topic, classification
4. System shall delete questions

**Public:**

* **User login/logout:**

1. System shall allow user to either login or logout

* **Start the session:**

1. System shall allow user to start new session

* **Start session:**

1. System shall allow user to start the session

* **Naming session:**

1. System shall allow user to name the session. Default name is the current time *(Format: MM/DD/YYYY HH:MM:SS)*

* **Next/previous question**

1. System shall allow user to continue to next question or forward back to previous question

* **View question**

1. System shall display to user the current question

* **Select answer**

1. System shall display answers for user to choose including 4 choices
2. System shall allow user to pick 1 choice per question

* **Go to question**

1. System shall allow user to jump to a specific question in the session

* **Submit**

1. System shall allow user to submit their answers

* **View result**

1. System shall display the session result including, status, number of correct answers, total number of questions, time taken, and result table)
2. System shall display separately the result table containing question number, question statement, topic, classification, result (either use ***X*** for *incorrect* and ***V*** for *correct*)