## **Use Case:** Making a new account on the Register Screen

**ID :** UC\_1

**Description:** The user needs to make an account in order to login to the program.

**Level:** High

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User enters their first name
2. User enters their email address
3. User enters creates unique username
4. User creates password for account.
5. User hits register button and is brought to login screen

## **Extensions**

3a. User enters a username that already exists.

The system shall prompt the user the username is already taken and to input a different username

3b. User enters less than 5 characters for their username.

The system shall prompt the user to enter more than 5 characters for their username.

3c. User leaves the username box empty.

The system shall prompt the user to input a username.

4a. User enters less than 8 characters for their password.

The system shall prompt the user to enter more than 8 characters for their password.

4b. User leaves the password box empty.

The system shall prompt the user to input a password.

**Use Case:** Accessing the Login page

**ID :** UC\_2

**Description:** The user needs to login to the program.

**Level:** High

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User enters username into textbox.
2. User enters password into password text box.
3. User clicks on login button.
4. The system brings user to chapter menu for selection.

## **Extensions**

1a. User enters the wrong username or password.

System should prompt message to the user in order to fix username or password

1b. User enters more than 20 characters for the password.

The system shall prompt the user to use less than 20 characters.

1c. User enters less than 6 characters for the password.

The system shall prompt the user to enter at least 6 characters.

## **Use Case:** Viewing/Selecting a chapter in the Chapter Menu

**ID :** UC\_3

**Description:** The user is brought to the chapter menu to select a chapter to study about.

**Level:** High

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User clicks on a chapter button.
2. System should show chapter question UI.

## **Extensions**

## **Use Case:** Select/Viewing the chapter’s True and False Questions

**ID :** UC\_4

**Description:** The user is able to view and is able to select the chapter’s True and False questions.

**Level:** Medium

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User is able to view the chapter’s true and false questions.
2. User is able to see the chapter’s buttons allowing them to select true or false.
3. User is able to see and select the buttons allowing them to select true or false.
4. User is able to select one of the choices.
5. User is able to click on the next button to go to the results screen

## **Extensions**

4a. User does not choose an answer for one of the questions.

The question is counted wrong.

**Use Case:** Selecting/Viewing all chapters Multiple Choice Question Page

**ID :** UC\_5

**Description:** The user is able to view and select all chapter’s Multiple Choice questions.

**Level:** Medium

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User is able to view the Multiple Choice questions.
2. User is able to see the choices for the Multiple Choice questions
3. User is able to make a selection for the question.
4. User is able to click on the next button to go to the results screen

## **Extensions**

3a. User does not enter a choice for some/all questions.

The question is counted wrong.

## **Use Case:** Selecting/Viewing all chapters Fill In The Blank Question Page

**ID :** UC\_6

**Description:** The user is able to view and is able to enter all chapter Fill In The Blank questions.

**Level:** Medium

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User is able to view the Fill In The Blank questions.
2. User is able to see the box allowing them to input the answer for the Fill In The Blank question.
3. User is able to enter text into the box in order to submit the answer.
4. User is able to click on the next button to go to the result screen.

## **Extensions**

3a. User leaves one or all of the boxes empty

The question is counted wrong.

## **Use Case:** Selecting/Viewing all chapter matching questions page.

**ID :** UC\_7

**Description:** The user is able to view and match correct keywords with definitions.

**Level:** Medium

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User is able to view boxes of keywords and definitions.
2. User is able move keywords with their respective definitions.
3. User is able to click on the next button to go to the results screen

## **Extensions**

3a. User does not drag any/some of the keywords with a definition.

The questions are counted wrong.

## **Use Case:** Viewing the Results Screen

**ID :** UC\_8

**Description:** The user is able to view the answers that they got correct and also see the questions they got wrong along with the ability to return back to a question and logout.

**Level:** Medium

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User is able to see a list of questions that reveals which questions they got correct and also the ones that they got wrong.
2. User is able to see the clickable buttons that allow them to logout and return back to the chapter menu.
3. User also sees a calculated percentage of the questions they got correct.

## **Use Case:** Choosing to return back to a question in the results screen.

**ID :** UC\_9

**Description:** The user is able to view the answer they got wrong and click on a button to return back to the question.

**Level:** Medium

**Primary Actor:** Students, professors, and admin.

Supporting Actors:

## **Main Success Scenario**

1. User is able to see a list of questions that reveals which questions they got correct and also the ones that they got wrong.
2. User is able to click on the button to return back to a question.

## **Extensions**

1a. User clicks on the button that they already received the correct answer for.

User will still be brought to the question and will see their original answer.

## **Use Case:** Synchronize UI/Text across all pages

**ID :** UC\_10

**Description:** The buttons are the same size across all pages.

**Level:** Low

**Primary Actor:** Students, professors

**Supporting Actors:**

## **Main Success Scenario**

1. User logins to program.
2. User views questions, chapters, results page
3. Buttons are same size across all pages and text is clearly distinguished from one another.

## **Extensions**

**Use Case:** Page numbers displayed on Results screen

**ID :** UC\_11

**Description:** The user is able to see the pages for each answer in the results screen.

**Level:** low

**Primary Actor:** Students, professors

**Supporting Actors:**

## **Main Success Scenario**

1. User clicks on grade button after completing
2. Program displays results page with corresponding page numbers to questions.

## **Extensions**

11a. User does not answer any questions and continues to result page.

System displays result page regardless marking all questions wrong and displaying all page numbers.

11b. User partially completes review questions and continues to result page.

System displays result page regardless marking all questions wrong and displaying all page numbers.

## **Use Case:** Viewing the Timer

**ID :** UC\_12

**Description:** The user should be able to see the timer while taking the test.

**Level:** High

**Primary Actor:** Students, professors

**Supporting Actors:**

**Precondition:** User logins to program and selects a chapter.

## **Main Success Scenario**

1. User then views running timer on top right corner
2. User sees elapsed time at results page.

## **Extensions**

## **Use Case:** Viewing Chapter Scores

**ID :** UC\_13

**Description:** The user should be able to view their chapter scores.

**Level: High**

**Primary Actor:** Students, professors

**Supporting Actors:**

**Precondition:** User has already taken the test for one of the chapters

## **Main Success Scenario**

1. User goes to chapter select menu.
2. User clicks on the chapter scores button.
3. User sees all of their scores for each chapter with the date.

## **Extensions**

## **Use Case:** Writing Chapter Scores to file

**ID :** UC\_14

**Description:** The program writes a chapter score to the text file to be saved and read later.

**Level:** High

**Primary Actor:** Students, professors

**Supporting Actors:**

**Precondition:** User has already taken the test for one of the chapters

## **Main Success Scenario**

1. User goes to chapter select menu.
2. User takes the choices for the quiz.
3. User sees calculated score.
4. Score is written to file.

## **Extensions**