

**COMSATS UNIVERSITY ISLAMABAD, ABBOTTABAD**

**Course: Software Testing**

**Theory assignment**

Test cases of interactive learning module

***Submitted by:***

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Interactive Learning Module:

## DEMO VIDEO LINK: https://drive.google.com/file/d/1uRcScJvW8ail43Bw-3PYgSuXHa-L5xzB/view?usp=sharing

## Test Cases Related to Student

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| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual result** | **Verdict** |
| TC-1 | View Interactive Video | The student is logged in | 1. Navigate to the video section  2. Select a video to watch. | The video plays correctly with all interactive elements visible. | The video plays correctly with all interactive elements visible. | Pass |
| TC-2 | Add video | The student is logged in | 1. Navigate to the video section  2. Select “add video” button | The student will not be able to add the video. | The student has no access to adding a video | Pass |
| TC-2 | Respond to Interactive Questions | The student is logged in | 1. Watch an interactive video.  2. Respond to the questions. | Responses are saved and acknowledged. | Responses are saved and acknowledged. | Pass |
| |  | | --- | | TC-3 | | |  | | --- | | View Suggested Videos | | |  | | --- | | A student is logged in | | 1. Navigate to the suggested\videos section.  2. Select a suggested video to watch. | The suggested video plays correctly with all interactive elements visible. | The suggested video plays correctly with all interactive elements visible | Pass |
| TC-4 | Track Progress on Interactive Video | Student is logged in | 1. Navigate to the progress section.  2. View progress on interactive videos. | The progress is displayed accurately, showing completed and pending tasks. | The progress is displayed accurately,  Showing completed and pending tasks. |  |
| TC-5 | Replay Interactive Video | Student is logged in | 1. Navigate to a previously watched video.  2. Replay the video. | The video replays correctly with all interactive elements functioning. | The video replayed correctly with all interactive elements functioning. |  |

# Test Cases related to teacher

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| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual result** | **Verdict** |
| TC-6 | Add New Video | The teacher is logged in | 1. Navigate to the video section.  2. Click on "Add Video."  3. Upload a video file. | The video is added successfully, and a confirmation message is displayed. | The video is added successfully, and a confirmation message is displayed. | Pass |
| TC- | Update video title | The teacher is logged in | 1. Navigate to the video section.  2. Click on "update Video. icon"  3. add new title | The video has successfully, and a confirmation message is displayed. |  |  |
| TC\_07 | Delete Video | The teacher is logged in | 1. Navigate to the video section.  2. Click on "Delete Video." | The video is deleted successfully, and a confirmation message is displayed. | The video is deleted successfully, and a confirmation message is displayed. | Pass |
| TC-8 | Add Video Title and Description | Teacher is logged in | 1. Add a new video.  2. Enter a title and description.  3. Save changes. | The title and description are saved and displayed correctly. | The title and description are saved and displayed correctly. | Pass |
| TC-9 | Add Interactive Questions to Video | Teacher is logged in | 1. Add or edit a video.  2. Insert interactive questions at specific timestamps. | Interactive questions are added and saved successfully. | Interactive questions are added and saved successfully. | pass |
|  | Add same Interactive Questions to Video | Teacher is logged in | 1. Add or edit a video.  2. Insert same interactive questions at specific timestamps. | Interactive questions are not added. | Same interaction question cant be added again . | Pass |
| TC-10 | View Student Responses to Interactive Questions | Teacher is logged in | 1. Navigate to the video analytics section.  2. View student responses. | Teacher can view all student responses to interactive questions. |  |  |
| TC-11 | Add Video Interactions | Teacher is Logged in  Video should be already added | 1-Navigate to invidea  2-Click Menu  3-Click Add interactions  4- Fill Form  5-Add Interaction | Interaction is added but shouldn’t display any success message as it is not handled already. | Interaction is added but doesn’t display any success message as it is not handled already. | Pass |
| TC-12 | Add same Video Interactions | Teacher is Logged in  Video should be already added | 1-Navigate to invidea  2-Click Menu  3-Click Add interactions  4- Fill Form  5-Add Interaction | It should say interaction already exists. | It says interaction already exists. | Pass |

### Test Case ID: TC-01

* **Description:** Respond to Interactive Question
* **Preconditions:** Student is logged in
* **Steps:**
  1. Navigate to the interactive video section.
  2. Select the strict mode video with interactions.
  3. Respond to an interactive question correctly.
* **Expected Result:** Correct response is accepted and relevant feedback is provided.

### Test Case ID: TC-02

* **Description:** Check Video Strict Mode Skipping
* **Preconditions:** Student is logged in
* **Steps:**
  1. Navigate to the strict mode video section.
  2. Play the strict mode video.
  3. Attempt to skip the video to a later time.
* **Expected Result:** Video skipping is not allowed and a modal dialog with a restriction message appears.

### Test Case ID: TC-03

* **Description:** Student Toggle Strict Mode
* **Preconditions:** Student is logged in
* **Steps:**
  1. Navigate to the video settings.
  2. Toggle the strict mode setting.
  3. Verify the toggle effect.
* **Expected Result:** Strict mode is toggled and confirmation is provided via modal dialog.

### Test Case ID: TC-04

* **Description:** Respond to Interactive Question with Wrong Answer
* **Preconditions:** Student is logged in
* **Steps:**
  1. Navigate to the interactive video section.
  2. Select the strict mode video with interactions.
  3. Respond to an interactive question incorrectly.
* **Expected Result:** Incorrect response is not accepted, and an error or feedback message is displayed.