|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Id: 1** | | **Test Purpose: verify requirement – Lecturer must be able to create an assessment** | | | |
| **Environment: written in Python 3.7, Windows 10 OS** | | | | | |
| **Preconditions:** Logged in as a lecturer on the main lecturer menu.  **Credentials ( username: c00001, password: password)** | | | | | |
| **Test Case Steps: Basic Flow** | | | | | |
| Step No | Procedure | | | Response | Pass/Fail |
| 1 | Click the **“Create new test”** button | | | Displays the new test screen like in the figure below | Pass |
| 2 | Enter test details as follows: | | | New test file created with the  details entered. | Pass |
|  | 2.1 Enter “**JavaScript** **Test Example”** in the **“Title”** field | | |
|  | 2.2 Check **“Summative”** radio button | | |
|  | 2.3 Enter the release date in the **“Due date”** field as **15/05/2019.** | | |
|  | 2.4 Enter the option for results release in the **“Release Results”** field as **0 ( it means no result release, it can be modified later to 1 for results release)** | | |
| 3 | Click **“Add new multiple-choice question”** button | | | Displays the new multiple-choice screen like in the figure attached below | Pass |
|  | 3.1 Enter in the **“Question Text”** field the question **“Which of the following are capabilities of functions in JavaScript?”** | | |  | Pass |
|  | 3.3 Enter in the 4 **“options”** fields the following. For 1 - **“Return a value”**, For 2 - **“Accept parameters and return a value”** for 3 -**“None of the above”** and4 – **Accept parameters** | | | Pass |
|  | 3.2 Enter in the **“Correct answer”** field the number “**4”** (the number of the correct answer) and press **OK** | | | Pass |
| 4 | On the **Create new test** pop up screen select “**New text answer”** | | | After you select **ok** from previous step, you should see the figure below    The system saves automatically the details entered for the previous question and appends a new row to the **question.csv** file with the details of the new question. | PASS |
| 5 | 5.1 Enter in the **“Question Text”** field the question **“In what HTML element you put JavaScript?”** | | | Please enter the details as shown in the picture below    Once clicking on **OK** button, the question is saved in questions.csv file | Pass |
|  | 5.2 Enter in the **“Correct answer”** field the word **“script”** and click **OK** | | |
| 6 | Click “OK” on the **Create new Test Screen** | | | The **Lecturer Menu Screen** automatically updates with a new row, like in the picture attached below | Pass |
| 7 | Click **Log out** on the **Lecturer Menu Screen** to log out | | | The screen disappears when clicking on **“Log out”** |  |
| **Comments:**  **No attempt limit implemented, but by default it’s set up as 1.** | | | | | |
| **Related Tests: Log in to the system with the right credentials** | | | | | |
| **Author: Team 22** | | | **Checker: Panayiotis Kkolis** | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Id: 2** | | **Test Purpose: Lecturer must be able to modify the formative or summative assessments.** | | | |
| **Environment:** Python 3.7, Windows 10 OS | | | | | |
| **Preconditions:** Lecturer is already logged in.  **Credentials ( username: c00001, password: password)** | | | | | |
| **Test Case Steps:** | | | | | |
| Step No | Procedure | | | Response | Pass/Fail |
| 1 | On Lecturer Menu Screen, please select **Edit test** for **OOP test** | | | The system should display a window as shown below | PASS |
| 2 | Edit the exam name to **OOP another test** | | |  | PASS |
| 3 | Select the **“Summative”** button for the **“Exam Type”** | | |  | PASS |
| 4 | The correct answer for the question: “**What property of a class describes a range of values that instances of the property may hold?”** Should be completed to **attribute** | | |  | PASS |
| 5 | The correct answer for the question: “**Which visibility attribute indicates that the data should only be access within the class?”** Should be completed to **private** | | |  | PASS |
| 6 | For the question **“Which of the following is not part of the OOP?”** please check **the button “Multitasking”** | | |  | PASS |
| 7 | For the question **Constructors are used to :** please check **“To initialize a newly created object”** | | |  | Pass |
| 8. | For the question **An object that has more than one form is referred to as an please check polymorphism** and press **ok** | | | Once pressed ok, the test should automatically change | Pass |
| 9. | On the menu screen, click **on Log out** in order to log out from the screen | | | The menu screen disappears, and you are now logged out | Pass |
|  |  | | |  |  |
| **Comments: The test at the moment. can be modified no matter if it’s available to the student or not.**  **Also, only the correct answers can be edited, not the question text or answer text.** | | | | | |
| **Related Tests: Log in to the system** | | | | | |
| **Author: Team 22** | | | **Checker: Panayiotis Kkolis** | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Id: 3** | | **Test Purpose:** Enable a student to take a summative assessment | | | |
| **Environment:** Python 3.7, Windows 10 OS | | | | | |
| **Preconditions:** Student is logged into the system to be able to take a test with the credentials: username: c10001 and password: password  This is the students first attempt.  The summative test is made available to the student by the lecturer. | | | | | |
| **Test Case Steps:** | | | | | |
| Step No | Procedure | | | Response | Pass/Fail |
| 1 | Select **Front End test** by clicking on Take Test | | | The test will start and display the following :( Figure 1 at the end of this test case) | Pass |
| 2 | Fill in answers into the displayed spaces | | | For each question, there is a space below for your answer. (see Figure | Pass |
|  | 2.1 For the first question, “**Are CSS property names…”,** you input **yes”** | | |  |  |
|  | 2.2 For the question, **“What is the use of the only selector?”**, you should enter **“Stops older browsers from parsing the remainder of the selector”** | | |  |  |
|  | 2.3 For the question, ”How can you clear a float element**”** you should enter **“del tag”** | | |  |  |
|  | 2.4 For the question, **“Which of the following is described as a collection of images put in a single image?”** you should select “**Image**” | | |  |  |
|  | 2.5For the question “**A collection of data containing both properties and methods is called:”** you should select “**Object”** | | |  |  |
|  | 2.6 What should be the very last thing in a HTML document? You should select “**body”** | | |  |  |
| 3 | Select **OK** to submit the test | | | Test should end and results saved in the system under View Results when the deadline passes | FAIL |
| 4 | You will now only have the option to **View Marks**. | | | By clicking **View Answers**, the system should display your mark, your mark is 3 and it is your first and only attempt attempt.View Marks | PASS |
| 5 | Press **OK** and return to the main menu screen | | | The system displays the main menu screen | PASS |
| 6 | Press Log out to log out from the screen | | | The menu screen disappears, and you are now logged out. | PASS |
| **Comments:** The “Take Test” and “View Marks” can be done at any time. This condition is a feature to be completed in the future. There is a conditional in Viewing marks, which allows the test to be modified in the exam.csv, from 0/no to 1/yes or vice versa ( if it’s 1 then the view Marks button is available, if it is 0, it disappears) | | | | | |
| **Related Tests:** Log in to the system  Create a test | | | | | |
| **Author: Team 22** | | | **Checker: Panayiotis Kkolis** | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Id: 4** | | **Test Purpose: verify requirement – enable a student to take a formative test** | | | |
| **Environment: written in Python 3.7, Windows 10 OS** | | | | | |
| **Preconditions: Student is logged into the system to be able to take a test.**  **Credentials: username: c10001 and password: password**  **This is the first and only attempt for the student to take the test**  **The formative test is made available to the student by the lecturer.** | | | | | |
| **Test Case Steps: Basic flow** | | | | | |
| Step No | Procedure | | | Response | Pass/Fail |
| 1. | Select **Web Applications** test by clicking on **Take Test on the menu screen.** | | | Displays the test like in the figure attached below | **Pass** |
| 2. | Fill in the test  2.1 For the first question, “**What does HTML stand for?** You should select **None of the above** | | | For each question, there is space available for your answer. | **PASS** |
|  | 2.2 For the question, **“Where in an HTML document is the correct place to refer to an external stylesheet??”** you should enter **“Anywhere it’s fine”** | | |  |  |
|  | 2.4 For the question, **“Which input type defines a slider control?** you should enter “**slider**” | | |  |  |
|  | 2.4 For the question,”**What is a cell padding**”you should choose “**Both a nd b above**” | | |  |  |
|  | 2.5For the question “**How do you change the left margin of an elemnt**:”you should choose “**margin:**” | | |  |  |
|  | 2.6 For the question ”**Which CSS property controls the text size?**:” You should choose “**font-size**” and select **Ok** to submit the test | | |  |  |
| 3. | You have the option to either select **Take test** or **View mark to see the mark and the answers.**  **Select View mark as this is your first and only attempt** | | | The system displays the mark for the test as 0 and the attempt number **which is Attempt 1**  View Marks | **Fail** |
|  | 3.2 Select **Ok** and back on the menu screen click **on log out** | | | The menu screen disappears and you are now logged out | **Pass** |
| **Comments: The system displays the mark but not the answers. This feature will be implemented later for future improvements** | | | | | |
| **Related Tests: Log in to the system**  **Create a test**  **The lecturer can view statistics about cohort’s performance on formative tests.** | | | | | |
| **Author: Team 22** | | | **Checker: Panayiotis Kkolis** | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Id: 5** | | **Test Purpose: The lecturer can view student performance on summative assessments** | | | |
| **Environment:** Python 3.7, Windows 10 OS | | | | | |
| **Preconditions:**  The lecturer is logged in with the credentials: username: c00001 and password :password  The lecturer made the test available to the students:  The test was already taken by 4 students | | | | | |
| **Test Case Steps:** | | | | | |
| Step No | Procedure | | | Response | Pass/Fail |
| 1 | On Lecturer Menu Screen select **View Marks** button for the **Test about Wales** test. | | | The system should display results for test selected. | Pass |
| 2 | Select c10001 to see individual performance | | | No individual performance displayed | FAIL |
| 3 | Click **OK** and on the menu screen select **Log out** button | | |  |  |
| **Comments:**  The individual performance will be created for future improvements. | | | | | |
| **Related Tests: Log in to the system**  **Create summative assessments** | | | | | |
| **Author: Team 22** | | | **Checker: Panayiotis Kkolis** | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case Id: 6** | | **Test Purpose: verify requirement - the lecturer can view student performance on formative assessments** | | | |
| **Environment: written in Python 3.7, Windows 10 OS** | | | | | |
| **Preconditions: Lecturer is logged in with the right credentials: username c00001 and password: password**  **The test is made available to the students by the lecturer**  **4 students have taken the test** | | | | | |
| **Test Case Steps: Basic flow** | | | | | |
| Step No | Procedure | | | Response | Pass/Fail |
| 1. | On the Lecturer menu screen, click on **View Results** button for the required test. | | | Main page reloads and results page shows like in the figure attached below | Pass |
|  |  | | |  |  |
| 2. | Select **“Summary of marks for all students”.** | | | The system displays a list of the students’ IDs, names, and their marks | Fail |
| 3. | Select **c10002** to see this student’s individual performance. | | | No individual performance displayed | Fail |
| 4. | Click OK and on the main menu screen select **Log out** button | | | The menu disappears and you are now logged out | PASS |
| **Comments: The system displays the student Id, the attempt and their marks, also for every test the system display the lowest and the highest mark.**  **Also, seeing individual performance is a feature that will be developed in the future.** | | | | | |
| **Related tests: Log in to the system**  **Create a test** | | | | | |
| **Author: Team 22** | | | **Checker: Panayiotis Kkolis** | | |