ClassifAI Test Cases

Authentication

Test Case TC_Login_01

Test Case ID: TC_Login_01

Test Priority (Low/Medium/High): Med

Module Name: Authentication Module

Test Title: Verify login with valid username and password

Description: Test the ClassifAI login page

Related Use Cases: UC-1, UC-2

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User has valid username and password
- The login system is operational and connected to AWS Cognito.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to login page	URL	login page loaded properly.	User is navigated to login page	Pass
2	Click username field and provide valid username	example@gmail.com	No validation error msg appears	No validation error msg appears	Pass
3	Click the password field and type in valid	1234	No validation error msg appears	No validation error msg appears	Pass

	password				
4	Click on Login button		User should be able to login	Web portal with successful login	Pass

Post-conditions:
   With valid credentials: User is logged in and has access to the portal.

Test Case TC_Login_02

Test Case ID: TC_Login_02   **Test Designed by:** \<Taylor Griffin\>

Test Priority (Low/Medium/High): Med   **Test Designed Date:** \<5/6/2024\>

Module Name: Authentication Module   **Test Executed by:** \<Taylor Griffin\>

Test Title: Verify failed login with invalid username and password   **Test Execution Date:** \<5/6/2024\>

Description: Test the ClassifAI login page   **Test Type**: functional

Related Use Cases: UC-2, UC-23

Pre-conditions:
   ● User has invalid username and password
   ● The login system is operational and connected to the user database.
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to login page	URL	login page loaded properly.	User is navigated to login page	Pass
2	Click username field and provide invalid username	example@xyz.com	No message appears	No message appears	Pass
3	Click the password field and type invalid password	13	No message appears	No message appears	Pass
4	Click on Login button		User should not be able to login	Username or password is incorrect	Pass

Post-conditions:
   With invalid credentials: User is not able to proceed and has to reset password or sign up.

Test Case TC_SignUp_01

Test Case ID: TC_SignUp_01

Test Priority (Low/Medium/High): Med

Module Name: Authentication Module

Test Title: Verify Sign up with valid information

Description: Test the ClassifAI Sign Up page

Related Use Cases: UC-1

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User has valid email
- The login system is operational and connected to AWS Cognito.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Sign Up page	URL	Sign up page loaded properly.	User is navigated to Sign up page	Pass
2	Click name field and provide name	Taylor Griffin	No validation error msg appears	No validation error msg appears	Pass
3	Click email field and provide email	email@gmail.com	No validation error msg appears	No validation error msg appears	Pass
4	Click the Grade Level field and type in valid Grade level	12	No validation error msg appears	No validation error msg appears	Pass
5	Click the State field and click State in Drop down menu	Texas	No validation error msg appears	No validation error msg appears	Pass
6	Click the password field and type in valid password	password	No validation error msg appears	No validation error msg appears	Pass
7	Click the zip code field and type in valid zip code	77433	No validation error msg appears	No validation error msg appears	Pass
8	Click on Sign Up button		User should be brought to authentication code screen	User sees auth code screen	Pass

| 9 | Retrieve code from email and put into field | 12345 | User can successfully Log in | User can log in now | Pass |

Post-conditions:
With valid credentials: User is logged in and has access to the portal.

Test Case TC_SignUp_02

Test Case ID: TC_SignUp_02

Test Priority (Low/Medium/High): Med

Module Name: Authentication Module

Test Title: Verify Sign up failure with invalid information

Description: Test the ClassifAI Sign up page invalidation

Related Use Cases: UC-1

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User has valid email
- The login system is operational and connected to AWS Cognito.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Sign Up page	URL	Sign up page loaded properly.	User is navigated to Sign up page	Pass
2	Click name field and provide name or skip	Skipped	No validation error msg appears	No validation error msg appears	Pass
3	Click email field and provide email or skip	email@test	No validation error msg appears	No validation error msg appears	Pass
4	Click the Grade Level field and type in Grade level	Skipped	No validation error msg appears	No validation error msg appears	Pass
5	Click the State field and click State in Drop down menu or skip	Skipped	No validation error msg appears	No validation error msg appears	Pass

6	Click the password field and type in password or skip	Skipped	No validation error msg appears	No validation error msg appears	Pass
7	Click the zip code field and type in zip code or skip	1111111111	No validation error msg appears	No validation error msg appears	Pass
8	Click on Sign Up button		User should be shown errors for things they skipped/invalid fields	Please enter state in correct format. E.g. Texas, Hawaii, California,etc. Please enter grade level in correct format. E.g. K, 1, 2, 3, etc.	Pass
9	Retrieve code from email and put into field	12345	User can successfully Log in	User can log in now	Pass

Post-conditions:
   With invalid credentials: User is not logged in and has to fix their sign up information

Analysis

Test Case TC_Analyze_01

Test Case ID: TC_Analyze_01

Test Priority (Low/Medium/High): High

Module Name: Analysis Module

Test Title: Verify Audio File Analysis with Accepted File Types

Description: Test the ClassifAI Audio Analysis

Related Use Cases: UC-4, UC-5

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the Analyze page.
- The system is ready to process audio files.
- The system is connected to MongoDB and LLM

Dependencies: Successful login and navigation to the Analyze page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Analyze page	URL	analyze page loaded properly.	User is navigated to analyze page	Pass
2	Click the "Choose File" button and select an accepted audio file type.	mp3 file	No message appears	No message appears	Pass
3	Click the "Analyze Recording" button		Upload Success Audio Uploaded and Report Entry Created! Please remain on this page until our engine completes its analysis.	Upload Success Audio Uploaded and Report Entry Created! Please remain on this page until our engine completes its analysis.	Pass
4	Verify that the analytics are displayed on the page.		User can see analytics	User can see analytics	Pass

Post-conditions:
    The analytics of the audio file are displayed on the Analyze page.

Test Case TC_Analyze_02

Test Case ID: TC_Analyze_02

Test Priority (Low/Medium/High): High

Module Name: Analysis Module

Test Title: Verify Video File Analysis with Accepted File Types

Description: Test the ClassifAI Video Analysis

Related Use Cases: UC-4, UC-5

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the Analyze page.
- The system is ready to process audio files.
- The system is connected to MongoDB and LLM

Dependencies: Successful login and navigation to the Analyze page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Analyze page	URL	analyze page loaded properly.	User is navigated to analyze page	Pass
2	Click the "Choose File" button and select an accepted video file type.	mp4 file	No message appears	No message appears	Pass
3	Click the "Analyze Recording" button		Upload Success Video Uploaded and Report Entry Created! Please remain on this page until our engine completes its analysis.	Upload Success Video Uploaded and Report Entry Created! Please remain on this page until our engine completes its analysis.	Pass
4	Verify that the analytics are displayed on the page.		User can see analytics	User can see analytics	Pass

Post-conditions:

The analytics of the video file are displayed on the Analyze page.

Test Case TC_Analyze_03

Test Case ID: TC_Analyze_03   **Test Designed by:** <Taylor Griffin>

Test Priority (Low/Medium/High): High   **Test Designed Date:** <5/6/2024>

Module Name: Analysis Module   **Test Executed by:** <Taylor Griffin>

Test Title: Verify YouTube Video Analysis with YouTube URL   **Test Execution Date:** <5/6/2024>

Description: Test the ClassifAI YouTube Video Analysis   **Test Type**: functional

Related Use Cases: UC-4, UC-5

Pre-conditions:
- User is logged in and has access to the Analyze page.
- The system is ready to process audio files.
- The system is connected to MongoDB and LLM

Dependencies: Successful login and navigation to the Analyze page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Analyze page	URL	analyze page loaded properly.	User is navigated to analyze page	Pass
2	Click the "Use YouTube Link" switch and select paste YouTube link in field.	www.youtube.com/videolink	No message appears	No message appears	Pass
3	Click the "Analyze Recording" button		Upload Success Audio Uploaded and Report Entry Created! Please remain on this page until our engine completes its analysis.	Upload Success Audio Uploaded and Report Entry Created! Please remain on this page until our engine completes its analysis.	Pass
4	Verify that the analytics are displayed on the page.		User can see analytics	User can see analytics	Pass

Post-conditions:

The analytics of the YouTube video are displayed on the Analyze page.

Test Case TC_Analyze_04

Test Case ID: TC_Analyze_04

Test Priority (Low/Medium/High): Med

Module Name: Analysis Module

Test Title: Verify Error on Analysis with Invalid File Types

Description: Test the ClassifAI Analysis with invalid types

Related Use Cases:

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the Analyze page.
- The system is ready to process audio files.
- The system is connected to MongoDB and LLM

Dependencies: Successful login and navigation to the Analyze page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Analyze page	URL	analyze page loaded properly.	User is navigated to analyze page	Pass
2	Click the "Choose File" button and select an unsupported file type.	PNG file	No message appears	No message appears	Pass
3	Click the "Analyze Recording" button		Error Invalid file type. Please upload a valid audio or video file	Error Invalid file type. Please upload a valid audio or video file.	Pass

Post-conditions:

The analysis process has warned user to upload supported file type.

Test Case TC_Analyze_05

Test Case ID: TC_Analyze_04

Test Priority (Low/Medium/High): Med

Module Name: Analysis Module

Test Title: Verify Edit Question Categorization edit on Analysis
Description: Test the ClassifAI Analysis Question Cat. dropdown menu

Related Use Cases: UC-7

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the Analyze page.
- The system is ready to process audio files.
- The system is connected to MongoDB and LLM

- User has already made successful Analysis

Dependencies: Successful login and navigation to the Analyze page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Question Categorization tabe	URL	page loaded properly.	User is navigated to page	Pass
2	Click the dropdown on a categorized level and select a different option	Low Level	There are unsaved changes. Use 'Save Changes' to save them.	There are unsaved changes. Use 'Save Changes' to save them.	Pass
3	Click the "Save Changes" button		Saved, will show in different tabs.	User can see updated categorzied.	Pass

Post-conditions:
The Question Categorization level has successfully been changed by user

My Reports

Test Case TC_ViewReports_01

Test Case ID: TC_ViewReports_01

Test Priority (Low/Medium/High): Med

Module Name: View Reports Module

Test Title: Verify View Reports

Description: Test the ClassifAI My Reports view

Related Use Cases: UC-11, UC-12, UC-15

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the My Reports page.
- User has previously analyzed a file

Dependencies: Successful login and navigation to the My Reports page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to My Reports page	URL	page loaded properly.	User is navigated to page	Pass
2	Click the Load button next to a report.		Loading Report message	Loading Report message	Pass
3	Verify that the analytics are displayed on the page.		User can see analytics	User can see analytics	Pass

Post-conditions:
The analytics of the Report are displayed on the Analyze page.

Test Case TC_ViewReports_02

Test Case ID: TC_ViewReports_01

Test Priority (Low/Medium/High): Med

Module Name: View Reports Module

Test Title: Edit a report from View Reports

Description: Test the ClassifAI edit from My Reports view

Related Use Cases: UC-12, UC-13, UC-14

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the My Reports page.
- User has previously analyzed a file
- The system is connected to MongoDB

Dependencies: Successful login and navigation to the My Reports page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to My Reports page	URL	page loaded properly.	User is navigated to page	Pass
2	Click the Load button next to a report.		Loading Report message	Loading Report message	Pass
3	Verify that the analytics are displayed on the page.		User can see analytics	User can see analytics	Pass
4	Click Report Name field and type name	TestName	Report name field is typed, There are unsaved changes. Use 'Save Changes' to save them.	Report name field is typed, There are unsaved changes. Use 'Save Changes' to save them.	Pass
5	Click Date Time and select time	05/19/2024 09:20 AM	field is shown, There are unsaved changes. Use 'Save Changes' to save them.	field is shown, There are unsaved changes. Use 'Save Changes' to save them.	Pass
6	Click subject field and type subject	Science	field is shown, There are unsaved changes. Use 'Save Changes' to save them.	field is shown, There are unsaved changes. Use 'Save Changes' to save them.	Pass
7	Click grade level field and type grade level	12	field is shown, There are unsaved changes. Use 'Save Changes' to save them.	field is shown, There are unsaved changes. Use 'Save Changes' to save them.	Pass
8	Click save changes		Changes saved	Shows that changes have been saved	Pass

Post-conditions:
     The metadata of the Report is updated and displayed on the Analyze page.

Test Case TC_ExportFiles_01

Test Case ID: TC_ExportFiles_01

Test Priority (Low/Medium/High): Med

Module Name: Export Files Module

Test Title: Verify Export CSV

Description: Test the ClassifAI My Reports view

Related Use Cases: UC-8, UC-10, UC-15

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the My Reports page.
- User has previously analyzed a file
- The system is connected to MongoDB

Dependencies: Successful login and navigation to the My Reports page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to My Reports page	URL	page loaded properly.	User is navigated to page	Pass
2	Click the Load button next to a report.		Loading Report message	Loading Report message	Pass
3	Verify that the analytics are displayed on the page.		User can see analytics	User can see analytics	Pass
4	Click Save & Download CSV button		Pop up to select options	User can see pop up to select what to download	Pass
5	Select desired options	"Select All" option clicked	UI shows options selected	User Can see Selected options to export to csv	Pass
6	Click Save & Download CSV button in popup menu		Saves file	User will download file	Pass

Post-conditions:
    The selected analytics of the Report have been downloaded in CSV.

Test Case TC_ExportFiles_02

Test Case ID: TC_ExportFiles_02

Test Priority (Low/Medium/High): Med

Module Name: Export Files Module

Test Title: Verify Export PDF

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Description: Test the ClassifAI My Reports view   **Test Type**: functional

Related Use Cases: UC-9, UC-10, UC-15

Pre-conditions:
- User is logged in and has access to the My Reports page.
- User has previously analyzed a file
- The system is connected to MongoDB

Dependencies: Successful login and navigation to the My Reports page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to My Reports page	URL	page loaded properly.	User is navigated to page	Pass
2	Click the Load button next to a report.		Loading Report message	Loading Report message	Pass
3	Verify that the analytics are displayed on the page.		User can see analytics	User can see analytics	Pass
4	Click Save & Download PDF button		Pop up to select options	User can see pop up to select what to download	Pass
5	Select desired options	"Select All" option clicked	UI shows options selected	User Can see Selected options to export to pdf	Pass
6	Click Save & Download PDF button in popup menu		Saves file	User will download file	Pass

Post-conditions:
The selected analytics of the Report have been downloaded in PDF.

Export Data Files

Test Case TC_DataFileExport_01

Test Case ID: TC_DataFileExport_01   **Test Designed by:** \<Taylor Griffin\>

Test Priority (Low/Medium/High): Med   **Test Designed Date:** \<5/6/2024\>

Module Name: Export Data Files Module   **Test Executed by:** \<Taylor Griffin\>

Test Title: Download Export Data Files   **Test Execution Date:** \<5/6/2024\>
Description: Test the ClassifAI Export Data Files section
Download   **Test Type**: functional

Related Use Cases: UC-15

Pre-conditions:
- User is logged in and has access to the My Reports page.
- User has previously analyzed a file
- User has previously Saved & Downloaded csv/pdf
- The system is connected to MongoDB

Dependencies: Successful login and navigation to the My Reports page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Export Data Files page	URL	page loaded properly.	User is navigated to page	Pass
2	Click the Download button next to an Export Data File.	Econometrics 2 pdf	File download pop up	File download pop up for user	Pass

Post-conditions:
    The selected Export Data File has been downloaded by the user..

Test Case TC_DataFileExport_02

Test Case ID: TC_DataFileExport_02   **Test Designed by:** \<Taylor Griffin\>

Test Priority (Low/Medium/High): Med

Module Name: Export Data Files Module

Test Title: Delete Export Data Files

Description: Test the ClassifAI Export Data Files section Delete

Related Use Cases: UC-17

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the My Reports page.
- User has previously analyzed a file
- User has previously Saved & Downloaded csv/pdf
- The system is connected to MongoDB

Dependencies: Successful login and navigation to the My Reports page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Export Data Files page	URL	page loaded properly.	User is navigated to page	Pass
2	Click the Delete button next to an Export Data File.	Econometrics 2 pdf	Are you sure you want to delete this file?	User decides Yes or no on delete file prompt	Pass
3	Verify Export Data File has been deleted		File successfully delete message	User sees file deleted message	Pass

Post-conditions:
The selected Export Data File has been deleted by the user..

Test Case TC_DataFileExport_03

Test Case ID: TC_DataFileExport_03

Test Priority (Low/Medium/High): Low

Module Name: Export Data Files Module

Test Title: Edit metadata Export Data Files
Description: Test the ClassifAI Export Data Files section Edit button

Related Use Cases: UC-16

Test Designed by: <Taylor Griffin>

Test Designed Date: <5/6/2024>

Test Executed by: <Taylor Griffin>

Test Execution Date: <5/6/2024>

Test Type: functional

Pre-conditions:
- User is logged in and has access to the My Reports page.
- User has previously analyzed a file
- User has previously Saved & Downloaded csv/pdf
- The system is connected to MongoDB

Dependencies: Successful login and navigation to the My Reports page.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to Export Data Files page	URL	page loaded properly.	User is navigated to page	Pass
2	Click the Edit button next to an Export Data File.	Econometrics 2 pdf	Filename renamable	User decides if they want to rename file	Pass
3	Click the Save button next to the selected Export Data File.		Successful update to file name!	User sees Successful update to file name!	Pass
3	Verify Export Data File has been updated		File name has been edited	User sees edited file name	Pass

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Post-conditions:
The selected Export Data File has been edited by the user..