| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 1 | Login Page | Verify login page UI | The user is not logged in the system | 1. Open Login page<br>2. Check page layout | 1.'Heard' title is placed in top of the page layout<br>2. 'Upload photos of your book and listen it anytime, everywhere!' text is placed in the center of the page<br>3. 'Sign up with Google' blue button is placed under the text<br>4. 'Log in with Google' white button is placed under the 'Sign up' button |
| 2 | | Sign up via Google with valid credentials | The user is not logged in the system | 1. Click on the "Sign up with Google" button.<br>2. Enter your Google account credentials.<br>3. Authorize the application to access your Google account.<br>4. Submit the form. | 1. The 'Resources' page is opened with empty placeholder<br>2. The user's record is created in 'users' collection in DB. |
| 3 | | Sign up Google with invalid credentials | The user is not logged in the system | 1. Click on the "Sign up with Google" button.<br>2. Enter invalid Google account credentials, such as an incorrect email or password.<br>3. Authorize the application to access your Google account. | 1. There is displayed an 'Invalid credentials' error message indicating that the credentials are incorrect. |
| 4 | | Log in via Google with valid credentials | The user is not logged in the system | 1. Click on the "Log in with Google" button.<br>2. Enter your Google account credentials.<br>3. Authorize the application to access your Google account. | 1. The 'Resources' page is opened with user's data |
| 5 | | Log in Google with invalid credentials | The user is not logged in the system | 1. Click on the "Log in with Google" button.<br>2. Enter invalid Google account credentials, such as an incorrect email or password.<br>3. Authorize the application to access your Google account. | 1. There is displayed an 'Invalid credentials' error message indicating that the credentials are incorrect. |
| 6 | | Verify 'Resources' page layout with empty data | The user is not logged in the system | 1. Sign up to app with valid creds | The 'Resources' page is opened with:<br>- 'Resources' title in the top header<br>- 'Add resource' plus icon is located opposite title<br>- 'No data' placeholder in the center of the page<br>- The fixed footer is placed in the bottom of the page |
| 7 | | Verify 'Resources' page layout with user's data | The user is logged in the system<br>The user have at least 1 created resource | 1. Open Resources page | The 'Resources' page is opened with:<br>- 'Resources' title in the top header<br>- User's resources list is displayed in the center of the page<br>- The fixed footer is placed in the bottom of the page |
| 8 | Resources page | Verify a resource plate layout | The user is logged in the system<br>The user have at least 1 created resource | 1. Open Resources page | A resource plate in the list consists of:<br>- Title<br>- Image cover<br>- Description<br>- Last upload datetime<br>- Uploaded photos counter |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 9 | | Navigation to Resource page | The user is logged in the system<br>The user have at least 1 created resource | 1. Open Resources page<br>2. Click on a resource item in the list | The detailed resource page is opened |
| 10 | | Navigation to 'Add resource' page | The user is logged in the system<br>The 'Resources' page is opened | 1. Click on 'Add resource' icon in the right-top corner | The /resources/create page is opened |
| 11 | | Add Resource with valid data | The user is logged in the system | 1. Navigate to the Add Resource page.<br>2. Enter a valid Title with at least 5 characters and not more than 40 characters.<br>3. Enter a valid Description.<br>4. Upload a valid image in jpg, jpeg, or png format.<br>5. Click on the Create button. | 1. The resource is added successfully and is visible on the site.<br>2. The resource record is saved in DB |
| 12 | | Add Resource with short Title | The user is logged in the system | 1. Navigate to the Add Resource page.<br>2. Enter an invalid Title with less than 5 characters.<br>3. Enter a valid Description.<br>4. Upload a valid image in jpg, jpeg, or png format.<br>5. Click on the Create button. | An error message is displayed indicating that the Title should have at least 5 characters. |
| 13 | | Add Resource with too long Title | The user is logged in the system | 1. Navigate to the Add Resource page.<br>2. Enter a Title with more than 40 characters.<br>3. Enter a valid Description.<br>4. Upload a valid image in jpg, jpeg, or png format.<br>5. Click on the Create button.<br>6. Verify that an error message is displayed indicating that the Title should not exceed 40 characters. | An error message is displayed indicating that the Title should not exceed 40 characters. |
| 14 | | Add Resource with invalid image format | The user is logged in the system | 1. Navigate to the Add Resource page.<br>2. Enter a valid Title with at least 5 characters and not more than 40 characters.<br>3. Enter a valid Description.<br>4. Upload an image in an invalid format (e.g., gif).<br>5. Click on the Create button. | An error message is displayed indicating that the image should be in jpg, jpeg, or png format. |
| 15 | | Add Resource with missing required fields | The user is logged in the system | 1. Navigate to the Add Resource page.<br>2. Leave the Title field blank.<br>3. Enter a valid Description.<br>4. Upload a valid image in jpg, jpeg, or png format.<br>5. Click on the Create button. | An error message is displayed indicating that the Title field is required. |
| 16 | Add resource page | Add Resource with missing image | The user is logged in the system | 1. Navigate to the Add Resource page.<br>2. Enter a valid Title with at least 5 characters and not more than 40 characters.<br>3.Enter a valid Description.<br>4. Do not upload an image.<br>5. Click on the Create button. | An error message is displayed indicating that the image is required. |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 17 | | Add Resource with very large image | The user is logged in the system | 1. Navigate to the Add Resource page. 2. Enter a valid Title with at least 5 characters and not more than 40 characters. 3. Enter a valid Description. 4. Upload an image with a very large file size (e.g., 10 MB). 5. Click on the Create button. | An error message is displayed indicating that the image file size should be smaller. |
| 18 | | Add Resource with duplicate Title | The user is logged in the system | 1. Navigate to the Add Resource page. 2. Enter a Title that already exists in the system. 3. Enter a valid Description. 4. Upload a valid image in jpg, jpeg, or png format. 5. Click on the Create button. | An error message is displayed indicating that the Title already exists in the system. |
| 19 | | Add Resource with a very short Description | The user is logged in the system | 1. Navigate to the Add Resource page. 2. Enter a valid Title with at least 5 characters and not more than 40 characters. 3. Enter a very short Description with less than 10 characters. 4. Upload a valid image in jpg, jpeg, or png format. 5. Click on the Create button. | 1. The resource is added successfully and is visible on the site but note that the Description is very short and needs to be expanded. 2. The resource record is saved in DB |
| 20 | | Add Resource with invalid characters in Title | The user is logged in the system | 1. Navigate to the Add Resource page. 2. Enter a Title that contains invalid characters (e.g., special characters like &, $, #, @, etc.). 3. Enter a valid Description. 4. Upload a valid image in jpg, jpeg, or png format. 5. Click on the Create button. | An error message is displayed indicating that the Title contains invalid characters. |
| 21 | | Verify the Resource title | The user is logged in the system The user have at least 1 created resource | 1. Navigate to the Resource Single page. 2. Verify that the page displays the correct title for the added resource. | The title of Resource is matched with title on 'Resources' page |
| 22 | | Verify the Resource description | The user is logged in the system The user have at least 1 created resource | 1. Navigate to the Resource Single page. 2. Verify that the page displays the correct description for the added resource. | The desciption of Resource is matched with title on 'Resources' page |
| 23 | | Verify the Resource image | The user is logged in the system The user have at least 1 created resource | 1. Navigate to the Resource Single page. 2. Verify that the page displays the correct image for the added resource. | The image of Resource is matched with title on 'Resources' page |
| 24 | | Verify the Resource last uploaded datetime | The user is logged in the system The user have at least 1 created resource | 1. Navigate to the Resource Single page. 2. Add audio 2. Refresh the page | The 'Last uploaded' datetime of Resource is the datetime of last added audio. |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 25 | | Verify the Resource uploaded photos counter | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Add audio.<br>3. Refresh the page. | The 'Uploaded photos' counter of Resource is matched with number of audios. |
| 26 | | Verify the Available audios section | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Add audio.<br>3. Refresh the page. | The 'Available audios' section contains list of added audios and corresponding photos of specific resource. |
| 27 | | Verify the Available audios plate UI | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Add audio.<br>3. Refresh the page. | The item in available audio list consists of:<br>- Player bar<br>- Image<br>- first 50 symbols of description<br>- 'More' button |
| 28 | | Verify that the Resource Single page allows the user to edit Resource info | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Click on the Edit button in the Resource info section.<br>3. Make changes to the title or description.<br>4. Click on the Save button. | The changes are successfully applied to the resource data. |
| 29 | | Verify that the Resource Single page allows the user to upload a photo with text | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Click on the Upload Photo button in the Available audios section.<br>3. Select a valid photo file in png, jpg, or jpeg format.<br>4. Enter a text for the photo.<br>5. Click on the Generate Audio button. | The generated audio is successfully added to 'Available audios' section. |
| 30 | | Verify that user is able to navigate to single audio page | The user is logged in the system<br>The user have at least 1 created resource and 1 generated audio | 1.Navigate to the Resource Single page.<br>2. Click on any of the available audios in the Available audios section. | The specific 'Details' audio page is opened. |
| 31 | Resourse single page | Verify that user is able to play audio | The user is logged in the system<br>The user have at least 1 created resource and 1 generated audio | 1. Navigate to the Resource Single page.<br>2. Click on the Play icon for any of the available audios in the Available audios section. | The audio is started to play successfully |
| 32 | | Verify that user is able to stop audio | The user is logged in the system<br>The user have at least 1 created resource and 1 generated audio | 1. Navigate to the Resource Single page.<br>2. Click on the Play icon for any of the available audios in the Available audios section.<br>3. Click on the Pause icon for selected audio in the Available audios section. | The audio is stopped playing successfully |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 33 | | Verify that user is able to delete the resource | The user is logged in the system<br>The user have at least 1 created resource and 1 generated audio | 1. Navigate to the Resource Single page.<br>2. Click on the Delete button in the Resource info section.<br>3. Verify that a confirmation message is displayed.<br>4. Click on the Confirm button. | The resource, and all related audios and photos, are deleted successfully. |
| 34 | | Verify that user is redirected to Resources page after deleting resource | The user is logged in the system<br>The user have at least 1 created resource and 1 generated audio | 1. Navigate to the Resource Single page.<br>2. Click on the Delete button in the Resource info section. | The 'Resources' page is opened |
| 35 | | Verify successfull uploading an image | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Click on the Upload Photo button in the Available audios section.<br>3. Select a valid photo file in png, jpg, or jpeg format.<br>4. Enter a text for the photo.<br>5. Click on the Generate Audio button. | The process of uploading is displayed with steps:<br>1. Image Upload<br>2. Text Detection<br>3. Audio generation<br>4. Audio uploading |
| 36 | | Verify support of English language | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Click on the Upload Photo button in the Available audios section.<br>3. Select a valid photo with text in English file in png, jpg, or jpeg format.<br>4. Enter a text for the photo.<br>5. Click on the Generate Audio button. | The generated audio is in English and generated text is in English |
| 37 | | Verify support of Ukrainian language | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Click on the Upload Photo button in the Available audios section.<br>3. Select a valid photo file with text in Ukrainian in png, jpg, or jpeg format.<br>4. Enter a text for the photo.<br>5. Click on the Generate Audio button. | The generated audio is in Ukrainian and generated text is in Ukrainian |
| 38 | | Verify an error message is displyaed for uploaded photo invalid file format | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Click on the Upload Photo button in the Available audios section.<br>3. Select an invalid photo file format (e.g., pdf, doc, etc.).<br>4. Click on the Generate Audio button. | An error message is displayed indicating that the file format is not supported. |
| 39 | | Verify an error message is displyaed for uploaded empty photo | The user is logged in the system<br>The user have at least 1 created resource | 1. Navigate to the Resource Single page.<br>2. Click on the Upload Photo button in the Available audios section.<br>3. Click on the Generate Audio button. | An error message is displayed indicating that there is no uploaded photo. |
| 40 | | Verify that the user can edit the resource information | User is logged in and is on the resource single page | Click on the 'Edit' button in the Resource Info section<br>Update the resource information (title, description, image)<br>Click on the 'Save' button | The resource information is updated<br>The user is redirected to the updated resource single page |
| 41 | | Verify that the user cannot edit the resource title with invalid input (less than 5 characters) | User is logged in and is on the resource single page | Click on the 'Edit' button in the Resource Info section<br>Update the title with invalid input (less than 5 characters)<br>Click on the 'Save' button | The title is not updated<br>An error message is displayed indicating that the title should be between 5 and 40 characters |
| 42 | | Verify that the user cannot upload an invalid image file to update the resource image | User is logged in and is on the resource single page | Click on the 'Edit' button in the Resource Info section<br>Select an invalid image file (not png, jpg, jpeg)<br>Click on the 'Save' button | The image source is not updated<br>An error message is displayed indicating that the image should be in png, jpg, or jpeg format |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 43 | | Verify that the user can update the resource description with valid input | User is logged in and is on the resource single page | Click on the 'Edit' button in the Resource Info section<br>Update the description with valid input (less than or equal to 200 characters)<br>Click on the 'Save' button | The description is updated successfully<br>The user is redirected to the updated resource single page |
| 44 | | Verify that the user can save edited changes without any changes | User is logged in and is on the resource single page | Click on the 'Edit' button in the Resource Info section<br>Do not make any changes<br>Click on the 'Save' button | The user is redirected to the updated resource single page |
| 45 | | Verify that the user is able to view the audio details page | User is logged in and is on the resource single page | Open the audio details page | The page loads successfully<br>All the required elements are present |
| 46 | | Verify that the source image can be opened in a new tab | User is logged in and is on the audio details page | Click on the source image | The image opens in a new tab |
| 47 | | Verify that the full text generated from image is displayed on the page | User is logged in and is on the audio details page | Verify that the full text is displayed on the page | The full text is displayed on the page |
| 48 | | Verify that the audio player is displayed on the page | User is logged in and is on the audio details page | Verify that the audio player is displayed on the page | The audio player is displayed on the page |
| 49 | | Verify that the uploaded date is displayed on the page | User is logged in and is on the audio details page | Verify that the uploaded date is displayed on the page | The uploaded date is displayed on the page |
| 50 | | Verify that the uploaded time is displayed on the page | User is logged in and is on the audio details page | Verify that the uploaded time is displayed on the page | The uploaded time is displayed on the page |
| 51 | | Verify that the user is able to edit the generated text | User is logged in and is on the audio details page | Click on the 'Edit' button for the text<br>Update the text with valid input<br>Click on the 'Save' button | The text is updated successfully<br>A new audio is generated based on the updated text |
| 52 | | Verify that the user is not able to edit the generated text with invalid input (more than 200 characters) | User is logged in and is on the audio details page | Click on the 'Edit' button for the text<br>Update the text with invalid input (more than 200 characters)<br>Click on the 'Save' button | The text is not updated<br>An error message is displayed indicating that the text should be less than or equal to 200 characters |
| 53 | | Verify that the user is able to play the audio | User is logged in and is on the audio details page | Click on the 'Play' button for the audio | The audio starts playing |
| 54 | | Verify that the user is able to pause the audio | User is logged in and is on the audio details page and the audio is playing | Click on the 'Pause' button for the audio | The audio pauses |
| 55 | Audio details page | Verify that the uploaded date and time is displayed in the correct format on the audio details page. | A user has generated and uploaded an audio from an image with text. | Navigate to the audio details page for the uploaded audio.<br>Verify that the uploaded date is displayed in the format "dd/mm/yyyy".<br>Verify that the uploaded time is displayed in the format "hh:mm:ss AM/PM". | The uploaded date and time are displayed in the correct format on the audio details page. |
| 56 | | Verify that the source image is displayed on the audio details page. | A user has generated and uploaded an audio from an image with text. | Navigate to the audio details page for the uploaded audio.<br>Verify that the source image is displayed on the page.<br>Click on the source image to open it in a new tab. | The source image is displayed on the audio details page and can be opened in a new tab. |
| 57 | | Verify that the audio player works as expected on the audio details page. | A user has generated and uploaded an audio from an image with text. | Navigate to the audio details page for the uploaded audio.<br>Click on the "Play/Stop" icon to play the audio.<br>Click on the "Play/Stop" icon again to stop the audio. | The audio player works as expected on the audio details page. |
| 58 | | Verify that the user can edit the generated text and regenerate the audio on the audio details page. | A user has generated and uploaded an audio from an image with text. | Navigate to the audio details page for the uploaded audio.<br>Click on the "Edit" button next to the generated text.<br>Edit the generated text.<br>Click on the "Regenerate Audio" button.<br>Click on the "Play/Stop" icon to play the new audio. | The user can edit the generated text and regenerate the audio on the audio details page. |
| 59 | | Verify that the user can delete the uploaded audio with corresponding photo and text on the audio details page. | A user has generated and uploaded an audio from an image with text. | Navigate to the audio details page for the uploaded audio.<br>Click on the "Delete" button.<br>Confirm the deletion. | The uploaded audio, corresponding photo and text are deleted from the app. |
| 60 | | Verify that the user is prompted to confirm deletion of the uploaded audio on the audio details page. | A user has generated and uploaded an audio from an image with text. | Navigate to the audio details page for the uploaded audio.<br>Click on the "Delete" button.<br>Confirm the deletion. | The user is prompted to confirm the deletion of the uploaded audio. |
| 61 | | Verify that audio starts playing when the user clicks on the Play button in the audio player | A user is opened the app and select an audio to play | Click on the Play button in the audio player.<br>Observe the behavior of the audio player. | The audio should start playing. |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 62 | Audio player | Verify that audio pauses when the user clicks on the Pause button in the audio player | A user is opened the app and select an audio to play | Click on the Play button in the audio player.<br>Wait for a few seconds and click on the Pause button in the audio player.<br>Observe the behavior of the audio player. | The audio should pause. |
| 63 | | Verify that audio resumes when the user clicks on the Play button after pausing it | A user is opened the app and select an audio to play | Click on the Play button in the audio player.<br>Wait for a few seconds and click on the Pause button in the audio player.<br>Click on the Play button in the audio player again.<br>Observe the behavior of the audio player. | The audio should resume playing from where it was paused. |
| 64 | | Verify that audio jumps forward by 10 seconds when the user clicks on the Forward button in the audio player | A user is opened the app and select an audio to play | Click on the Play button in the audio player.<br>Wait for a few seconds and click on the Forward button in the audio player.<br>Observe the behavior of the audio player. | The audio should jump forward by 10 seconds. |
| 65 | | Verify that audio jumps back by 10 seconds when the user clicks on the Backward button in the audio player | A user is opened the app and select an audio to play | Click on the Play button in the audio player.<br>Wait for a few seconds and click on the Backward button in the audio player.<br>Observe the behavior of the audio player. | The audio should jump back by 10 seconds. |
| 66 | | Verify that audio speed changes to 1.5x when the user selects 1.5x from the Speed dropdown in the audio player | A user is opened the app and select an audio to play | Click on the Play button in the audio player.<br>Click on the Speed dropdown in the audio player.<br>Select 1.5x from the Speed dropdown.<br>Observe the behavior of the audio player. | The audio should play at 1.5x speed. |
| 67 | | Verify that audio speed changes to 2.0x when the user selects 2.0x from the Speed dropdown in the audio player | A user is opened the app and select an audio to play | Click on the Play button in the audio player.<br>Click on the Speed dropdown in the audio player.<br>Select 2.0x from the Speed dropdown.<br>Observe the behavior of the audio player. | The audio should play at 2.0x speed. |
| 68 | | Verify audio playback in the background | A user is opened the app and select an audio to play | Minimize the application or press the device's home button to send the app to the background.<br>Open another app or navigate to the home screen.<br>Wait for a few seconds and then return to the application. | The audio playback continues from where it left off. |
| 69 | | Verify audio playback while navigating within the app | A user is opened the app and select an audio to play | Launch the application and start playing an audio.<br>Navigate to a different page or screen within the app.<br>Wait for a few seconds and then return to the audio player page. | The audio playback continues from where it left off. |
| 70 | | Verify audio playback when the device is locked | A user is opened the app and select an audio to play | Launch the application and start playing an audio.<br>Lock the device by pressing the power button.<br>Wait for a few seconds and then unlock the device. | The audio playback continues from where it left off. |
| 71 | | Verify audio playback when the user receives a call | A user is opened the app and select an audio to play | Launch the application and start playing an audio.<br>Receive a phone call while the audio is playing.<br>Answer the call and talk for a few seconds.<br>Hang up the call and return to the application. | The audio playback continues from where it left off. |
| 72 | | Verify audio playback when the user receives a notification | A user is opened the app and select an audio to play | Receive a notification while the audio is playing.<br>Tap on the notification to open it and view its content.<br>Close the notification and return to the application. | The audio playback continues from where it left off. |
| 73 | Settings page | Verify the user can log out of the app from the settings page | The user is logged in the system | Navigate to the settings page<br>Click on the 'Log Out' button | The user is logged out of the app<br>The app navigates back to the login page |
| 74 | | Verify the user cannot access app features after logging out from the settings page | The user is logged in the system | Navigate to the settings page<br>Click on the 'Log Out' button<br>Attempt to access any app feature (e.g., add resource, view audio details) | The user is prompted to log in again<br>The app does not allow access to app features until the user logs in again |
| 75 | | Verify the user is prompted to confirm before logging out | The user is logged in the system | Navigate to the settings page<br>Click on the 'Log Out' button | The user is prompted with a confirmation message before logging out<br>The confirmation message includes options to either confirm or cancel logging out |
| 76 | | Verify the user is redirected to the login page after logging out | The user is logged in the system | Navigate to the settings page<br>Click on the 'Log Out' button | The user is redirected to the login page after logging out<br>The user must log in again to access app features |
| 77 | | Verify the user's session is terminated after logging out | The user is logged in the system | Navigate to the settings page<br>Click on the 'Log Out' button<br>Attempt to access app features without logging in again | The user's session is terminated after logging out<br>The app does not allow access to app features until the user logs in again |
| 78 | | Navigating to Resources page | The user is logged in the system | Click on the 'Resources' tab from the footer.<br>Verify that the user is navigated to the 'Resources' page. | The user should be successfully navigated to the 'Resources' page. |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 79 | Footer navigation | Navigating to Add resource page | The user is logged in the system | Click on the 'Add Resource' tab from the footer. Verify that the user is navigated to the 'Add Resource' page. | The user should be successfully navigated to the 'Add Resource' page. |
| 80 | | Navigating to Settignns page | The user is logged in the system | Click on the 'Settings' tab from the footer. Verify that the user is navigated to the 'Settings' page. | The user should be successfully navigated to the 'Settings' page. |
| 81 | | Clicking on 'Resources' tab from any page of the app navigates the user to the 'Resources' page. | The user is logged in the system | Navigate to any page of the app. Click on the 'Resources' tab from the footer. Verify that the user is navigated to the 'Resources' page. | The user should be successfully navigated to the 'Resources' page. |
| 82 | | Clicking on 'Add Resource' tab from any page of the app navigates the user to the 'Add Resource' page. | The user is logged in the system | Navigate to any page of the app. Click on the 'Add Resource' tab from the footer. Verify that the user is navigated to the 'Add Resource' page. | The user should be successfully navigated to the 'Add Resource' page. |
| 83 | | Navigating to Resources page via direct link | The user is logged in the system | Put in the browser URL: 'localhost:3000/resources' and press Enter | The user should be successfully navigated to the 'Resources' page. |
| 84 | | Navigating to Add resource page via direct link | The user is logged in the system | Put in the browser URL: 'localhost: 3000/resources/create' and press Enter | The user should be successfully navigated to the 'Add Resource' page. |
| 85 | | Navigating to Settings page via direct link | The user is logged in the system | Put in the browser URL: 'localhost:3000/settings' and press Enter | The user should be successfully navigated to the 'Settings' page. |
| 86 | | Navigating without entering to the sytem | The user is not logged in the system | Put in the browser URL: 'localhost: 3000/resources/create' and press Enter | The The user should be successfully navigated to the 'Login' page. |
| 87 | Mobile layout | Verify mobile responsiveness of SPA | The user is logged in the system | Open SPA on different mobile devices (Android, iOS) Check if all content is displayed properly on different screen sizes | SPA is mobile responsive and all content is displayed properly on different mobile devices. |
| 88 | | Test performance of SPA on mobile devices | The user is logged in the system | Open SPA on different mobile devices and browsers Check loading time and efficiency of SPA | SPA loads quickly and efficiently (less than 3 s) on different mobile devices and browsers. |
| 89 | | Verify clickable buttons and links on mobile devices | The user is logged in the system | Open SPA on a mobile device Click on all buttons and links on the page | All buttons and links are easily clickable on a mobile device. |
| 90 | | Verify alignment of text and images on mobile devices | The user is logged in the system | Open SPA on a mobile device Check alignment of text and images on the page | Text and images are properly aligned and displayed on a mobile device. |
| 91 | | Test navigation flow of SPA on mobile devices | The user is logged in the system | Open SPA on a mobile device Navigate through the SPA to ensure it is easy to use and understand on a mobile device | The app is reacted on user taps. |
| 92 | | Verify consistent mobile layout across all pages and elements | The user is logged in the system | Open different pages on SPA on a mobile device Check if mobile layout is consistent across all pages and elements | Mobile layout is consistent across all pages and elements. |
| 93 | | Test responsiveness of forms and inputs on a mobile device | The user is logged in the system | Open SPA on a mobile device Check if forms and inputs are responsive and working properly on a mobile device | Forms and inputs are responsive and working properly on a mobile device. |
| 94 | | Verify optimized color scheme and font sizes for mobile devices | The user is logged in the system | Open SPA on a mobile device Check if color scheme and font sizes are optimized for a mobile device | Color scheme and font sizes are optimized for a mobile device. |
| 95 | | Test accessibility of SPA on a mobile device | The user is logged in the system | Open SPA on a mobile device Test accessibility features of the SPA to ensure it meets WCAG 2.0 standards | SPA meets WCAG 2.0 standards for accessibility on a mobile devices. |
| 96 | Session data | Verify user data is cleared after logout | - | Login to the system. Perform some actions such as creating resources and adding audio. Logout from the system. | All user data such as resources and audios are cleared and not accessible. |
| 97 | | Verify user account deletion removes all data | - | Login to the system with a valid account. Perform some actions such as creating resources and adding audio. Navigate to the settings page and delete the account. | All user data such as resources and audios are removed from s3, DB and not accessible. |
| 98 | | Verify user session data is cleared after logout | - | Login to the system with a valid account. Perform some actions such as creating resources and adding audio. Logout from the system. | All session data such as login status and user data is cleared. |
| 99 | | Verify user data is not accessible after clearing cache | - | Login to the system with a valid account. Perform some actions such as creating resources and adding audio. Logout from the system. Clear cache and cookies from the browser. | All user data such as resources and audios are not accessible. |

| ID | Module | Summary | Preconditions | Steps | Expected result |
|---|---|---|---|---|---|
| 100 | | Verify user session data is not accessible after clearing cache | - | Login to the system with a valid account.<br>Perform some actions such as creating resources and adding audio.<br>Logout from the system.<br>Clear cache and cookies from the browser. | All session data such as login status and user data is not accessible. |