**Types of testing:**

* **Functional Testing**
* **Usability Testing**

**Tools used in the test plan:**

* **Selenium** **webdriver (Chrome)**

**web page: http://demo.baasic.com/angular/starterkit-photo-gallery/main**

**Tester: Mirjana Velagic**

**Date of execution: 7/13/23**

Photo Gallery

*Tests:*

***Register***

***Log in***

***Create album***

***Upload photos***

***Photo/album deletion***

***Log out***

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# Overview

## Purpose of the Test Plan

The Test Plan outlines the individual Test Scripts to confirm the functionality of the System Requirements requested for the release. The Test Scripts should be executed in full, and any Failed tests should be submitted for remediation. Please consider the following:

* Individual Test Scripts are in their own table.
* Some Tests have multiple Test Scripts connected, with an identified Parent Test Script. These should be performed in order and in relation to the Parent Test Script.
* Actual Results need to be documented in full when the test fails, including any supporting information that would be valuable to a developer (screen shots, other circumstances, etc.) and inclusion of the test plan steps.
* A failed Test Script is one that does not meet the requirements.
* The Test Plan should be performed on all browsers as difference in functionality can occur.

# Test Plans

## Home

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| **Test Case Number** | **1. Home Page Search Validation** |
| **Prerequisites** | * User is on the Home page * There are photos available for searching |
| **Test Case Steps** | 1. Open the Home page: <http://demo.baasic.com/angular/starterkit-photo-gallery/main> 2. Enter a valid keyword in the search field. 3. Enter an invalid keyword in the search field. 4. Access search without entering a keyword. 5. Enter the character "space" multiple times in the search field. 6. Enter a sequence of numbers in the search field. 7. Case insensitive validation. 8. Enter partial input. 9. Testing multiple keywords. |
| **Expected Result** | 1. Valid keyword search: Only the photos that match the entered keyword are displayed.  2. Invalid keyword search: No photos are displayed and a message indicating no search results is shown appropriately or relevant results are displayed that contain that term in the title.  3. Empty search field: All available photos are displayed without any keyword-based filtering.  4. Search behavior with “space” character: The absence of search results and the display of an appropriate error message.  5. Search behavior with numbers: The search results should display relevant images that have the entered number sequence in their titles or in their descriptions.  6. Case insensitivity: The search should be case-insensitive, displaying photos regardless of how the keyword was entered.  7. Partial keyword: Only the photos that match the whole entered keyword are displayed.  8. Multiple keyword search: Only the photos that match all the entered keywords are displayed. |
| **Actual Result** | 1. The search functionality correctly filters and displays only the photos that match the entered valid keyword.  2. The obtained search result does not meet the expected outcome. The search term entered was "sdm" and it was anticipated that a relevant result containing the term in the title would be displayed. However, the actual result consisted of 10 photographs, none of which were consistent with the searched term "sdm" in the title.  3. Leaving the search field empty displays all available photos without any keyword-based filtering.  4. The obtained result indicated no search results and the appearance of the error message "The request is invalid."  5. The search results display relevant images that contain the specific number sequence in their titles or in their descriptions.  6. The search is case-insensitive allowing photos to be displayed regardless of the case of the entered keywords.  7. Entering a partial keyword correctly display only photos that contain the entered partial keyword.  8. When entering multiple keywords, the search results do not accurately display only the photos that match all the entered keywords. The obtained results vary from displaying results without any filtering to showing a different number of photographs, none of which are consistent with the searched keywords. |
| **Pass/ Fail** | 1. Pass  2. Fail  3. Pass  4. Pass  5. Pass  6. Pass  7. Pass  8. Fail |
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| **Test Case Number** | **2. Checking the Consistency of Image Search Results** |
| **Prerequisites** | * User is on the Home page * There are photos available for searching |
| **Test Case Steps** | 1. Open the Home page: <http://demo.baasic.com/angular/starterkit-photo-gallery/main> 2. Enter a valid word “pas” in the search field. 3. Perform the search. 4. Click on the first image out of a total of 6 images in the search results to view it. 5. Return to the search results by clicking the "x" button. 6. Only 3 images were displayed after returning from the image view. |
| **Expected Result** | 1. The search field should accept the input and display the entered word.  2. Performing the search should trigger a search algorithm that retrieves relevant results.  3. The search results should include images related to the entered word.  4. The displayed images should be visually identifiable as relevant to the entered word.  5. The search results page should be visually consistent and well-organized.  6. The search query should be displayed.  7. The search results page should not contain any errors or technical issues. |
| **Actual Result** | Inconsistent search results. After returning, only 3 images are displayed instead of 6.   * Click on the second image to view it * Return to the search results by clicking the "x" button * Results: after returning, the search results again consist of 6 images. * Repeat these steps multiple times.   Based on this example, the obtained result indicates an inconsistency in the display of search results on the website. After viewing the first image, the number of displayed images decreased from 6 to 3. However, upon returning from viewing the second image, the number of displayed images reverted back to 6.  To ensure consistent results, it would be expected that the number of displayed images remains unchanged or that users are clearly informed about any changes in the search result count. This inconsistency in the search results may indicate a problem with the search functionality or user interface of the website and should be further investigated and addressed to provide consistent result display. |
| **Pass/ Fail** | 1. Pass  2. Pass  3. Pass  4. Pass  5. Pass  6. Pass  7. Fail |
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| **Test Case Number** | **3. Photo Gallery scrolling on the Home page** |
| **Prerequisites** | * The user has successfully accessed the Home page * The Home page features a button labeled "Gallery" that opens the photo gallery * The same button is used to open and close the photo gallery * The photo gallery can be scrolled through * The scroll bar for the photo gallery is visible and ready for interaction |
| **Test Case Steps** | 1. Open the Home page: <http://demo.baasic.com/angular/starterkit-photo-gallery/main> 2. Validate the button functionality: Click on the "Display photos" button and ensure that the photo gallery opens. 3. Initial display check: Verify that the initial set of photos from the list is displayed, while the remaining photos are not visible due to the screen size limitation. 4. Scroll down: Perform a downward swipe gesture on the scroll bar and check that new groups of photos appear as the scroll bar moves. 5. Photo order verification: Ensure that the order of photos changes correctly during scrolling, with new photos appearing at the top while older photos move towards the bottom of the list. 6. Scroll up: Perform an upward swipe gesture on the scroll bar and check that the previous group of photos is displayed as the scroll bar moves backward. 7. Return to the top check: Confirm that when the scroll bar reaches the top of the list, the initial set of photos is displayed again and no photos preceding the initial display are shown. 8. Validate closing the gallery: Click on the "Gallery" button again and verify that the photo gallery closes. |
| **Expected Result** | 1. When the "Gallery" button is clicked, the photo gallery should open and display the full gallery of photos. 2. The initial set of photos should be displayed, while the remaining photos are not visible due to the screen size limitation. 3. Scrolling down should reveal new groups of photos, with smooth and continuous scrolling. 4. The order of photos should change correctly during scrolling, with new photos appearing at the top. 5. Scrolling up should display the previous group of photos, with smooth and continuous scrolling. 6. When the scroll bar reaches the top of the list, the initial set of photos should be displayed again, without any photos preceding the initial display. 7. When the "Gallery" button is clicked again, the photo gallery should close and no longer be visible. |
| **Actual Result** | The button for opening the photo gallery is not functioning properly. The photo gallery does not open or it partially opens showing only the first row of photos. The photo gallery cannot be accessed through the button but individual photos in the first row can be accessed by clicking on them. The photo gallery does not open consistently, failing to display the complete gallery of photos. |
| **Pass/ Fail** | Fail |
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| **Test Case Number** | **4. Verification of Home icon expansion and link to Menu page** |
| **Prerequisites** | * The user in on the Home page * There is an icon that, upon mouse positioning, expands and reveals the link to the Menu page |
| **Test Case Steps** | 1. Open the Home page: <http://demo.baasic.com/angular/starterkit-photo-gallery/main> 2. Place the mouse pointer over the Home icon. 3. Once the Home icon expands, verify the presence of the link to the Menu page. 4. Click on the link to the Menu page within the expanded Home icon. 5. On the Menu page check that the displayed content corresponds to the expected menu options and layout. 6. Place the mouse pointer over each menu option on the Menu page. 7. Perform a click action on the "Home" option within the menu. 8. Validate that the user is appropriately redirected to the Home page. |
| **Expected Result** | 1. Position the mouse on the Home icon: The icon expands, revealing additional content.  2. Check the presence of the link: The link to the Menu page is visible and identifiable within expanded icon.  3. Click on the menu link: The user is redirected to the Menu page.  4. Verify the content on the Menu page: The Menu page shows the relevant menu options and maintains visual consistency.  5. Mouse hover over menu options: The menu options should react to the mouse hover, such as underlining.  6. Upon selecting the "Home" option from the menu, the user should be seamlessly redirected to the Home page. |
| **Actual Result** | 1. Positioning the mouse on the Home icon expands it, revealing additional content.  2. The link to the Menu page is present within the expanded Home icon.  3. Clicking on the Menu link redirects the user to the Menu page.  4. The Menu page accurately represents the expected menu options and maintains visual consistency.  5. Mouse hovering over menu options triggers the appropriate responsive behavior.  6. Clicking on the “Home” navigation link in the menu options redirects the user to the Home page.  7. Upon selecting the "Home" option, the user is successfully redirected to the Home page without any disruptions. |
| **Pass/ Fail** | Pass |
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## Register

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| **Test Case Number** | **5. Registration form validation** |
| **Prerequisites** | * Access to the menu with the "Register" option * Existence of a registration page with a data entry form * The form includes fields for email, username, password, and password confirmation * The "Register" button is initially disabled and cannot be clicked until all required fields are filled and the email address is validated * After filling in all fields and successfully validating the email address, the "Register" button becomes visible and clickable |
| **Test Case Steps** | 1. Open the Menu page: <http://demo.baasic.com/angular/starterkit-photo-gallery/main> 2. Click on the "Register" option in the menu. 3. Verify that the user is redirected to the registration page containing the registration form. 4. Check for the presence of the following fields: email, username, password, and password confirmation. 5. Attempt to submit the form without filling in any fields and validate that the "Register" button remains disabled. 6. Enter an invalid email address, incomplete information, or mismatched passwords. 7. Verify that the "Register" button remains disabled until all fields are filled correctly. 8. Correct any errors in the input fields and ensure that the "Register" button becomes clickable. 9. Click the "Register" button and observe the error messages displayed for any remaining invalid or missing information. |
| **Expected Result** | 1. Clicking on the "Register" option should redirect the user to the registration page with the registration form.  2. The registration form should include fields for email, username, password, and password confirmation.  3. The "Register" button should be initially disabled until all required fields are filled correctly.  4. Invalid or incomplete inputs should prevent the "Register" button from becoming clickable.  5. Error messages should be displayed for any invalid or missing information, guiding the user to correct the errors. |
| **Actual Result** | Upon clicking the "Register" option, the user is redirected to the registration page, which includes fields for email, username, password and password confirmation. The "Register" button remains disabled until all required fields are filled correctly and the email address is valid. Error messages, such as "Please enter the correct email address!", "Password too short.", "Passwords do not match." or "Username taken!" are displayed to indicate any input errors. After successfully filling in the fields, clicking the "Register" button triggers the message "You have successfully registered, please check your email in order to finish the registration process." |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **6. Valid Email Address** |
| **Prerequisites** | * Access to the registration form page |
| **Test Case Steps** | 1. Enter a valid email address in the email field. 2. Fill in the remaining required fields (username, password, confirm password). 3. Click the "Register" button. |
| **Expected Result** | The form is submitted successfully without displaying any error messages. The user is registered with the provided email address. |
| **Actual Result** | The registration form is successfully submitted without displaying any error messages. The user is registered with the provided email address. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **7.** **Invalid Email Address** |
| **Prerequisites** | * Access to the registration form page |
| **Test Case Steps** | 1. Enter an invalid email address in the email field (missing "@" symbol). 2. Fill in the remaining required fields (username, password, password confirmation). 3. Click the "Register" button. |
| **Expected Result** | An error message is displayed indicating that a valid email address is required. The form submission is prevented until a valid email address is entered. |
| **Actual Result** | An error message is displayed: “Please enter the correct email address!”. The registration form submission is prevented until a valid email address is entered. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **8. Password Length** |
| **Prerequisites** | * Access to the registration form page. |
| **Test Case Steps** | 1. Enter a password with fewer characters than the minimum required length in the password field. 2. Fill in the remaining required fields (email, username, password confirmation). 3. Click the "Register" button. |
| **Expected Result** | An error message is displayed indicating that the password is too short. The form submission is prevented until a password with sufficient length is entered. |
| **Actual Result** | An error message is displayed ” Password too short.”. The registration form submission is prevented until a password with sufficient length is entered. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **9. Password Confirmation Mismatch** |
| **Prerequisites** | * Access to the registration form page. |
| **Test Case Steps** | 1. Enter a password in the password field. 2. Enter a different value in the password confirmation field. 3. Fill in the remaining required fields (email, username). 4. Click the "Register" button. |
| **Expected Result** | An error message is displayed indicating that the passwords do not match. The form submission is prevented until the password confirmation matches the entered password. |
| **Actual Result** | An error message is displayed “Passwords do not match.”. The registration form submission is prevented until the password confirmation matches the entered password. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **10. Username Availability** |
| **Prerequisites** | * Access to the registration form page. |
| **Test Case Steps** | 1. Enter a username that is already taken in the username field. 2. Fill in the remaining required fields (email, password, confirm password). 3. Click the "Register" button |
| **Expected Result** | An error message is displayed “Username taken!”. The form submission is prevented until a unique username is entered. |
| **Actual Result** | An error message is displayed indicating that the username is already taken. The registration form submission is prevented until a unique username is entered. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **11.** **Email Confirmation Verification** |
| **Prerequisites** | * User registration is completed successfully * Access to the registered email account |
| **Test Case Steps** | 1. After successful registration, check the registered email account for the confirmation email. 2. Open the confirmation email and locate the confirmation link. 3. Click on the confirmation link in the email. 4. Verify that the link redirects to a confirmation page. 5. Validate that the confirmation page displays a confirmation message confirming the successful email verification. |
| **Expected Result** | 1. The user receives a confirmation email after registration.  2. Clicking on the confirmation link redirects the user to a confirmation page.  3. After clicking the confirmation link, the user is redirected to the login page. |
| **Actual Result** | 1. After successful registration, a confirmation email was received in the registered email account.  2. The confirmation email contained a confirmation link.  3. Clicking on the confirmation link redirected to a confirmation page.  4. Clicking on the “Activate Account” button redirected to Login page. |
| **Pass/ Fail** | Pass |
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## Login

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| **Test Case Number** | **13.** **Login Form Submission** |
| **Prerequisites** | * The login form is displayed on the login page. |
| **Test Case Steps** | 1. Open the Login page: <http://demo.baasic.com/angular/starterkit-photo-gallery/login> 2. Enter valid credentials (username and password) in the corresponding input fields. 3. Click the "Login" button. |
| **Expected Result** | The login form is successfully submitted and the user is authenticated and redirected to the appropriate page. |
| **Actual Result** | The login form is successfully submitted and the user is authenticated and redirected to Profile page. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **14. Forgot Password Link** |
| **Prerequisites** | * The login page is displayed with a "Forgot Your Password" link. |
| **Test Case Steps** | 1. Open the Login page: <http://demo.baasic.com/angular/starterkit-photo-gallery/login> 2. Click on the “Forgot Your Password? Recover Your Password Here!” link. 3. Verify that the user is redirected to the Password Recovery page. 4. Enter a valid email address in the corresponding input field. 5. Click the “Recover Password” button. 6. Verify that if an invalid email address is entered, an error message is displayed informing the user about the invalid email. 7. Check the registered email account for the password recovery email. 8. Open the password recovery email and locate the recovery link. 9. Click on the “Set new password” link. |
| **Expected Result** | 1. In step 3, the user is redirected to the password recovery page.  2. In step 5, if a valid email address is entered, the user receives a notification to check their email to complete the password recovery process.  3. In step 6, if an invalid email address is entered, an error message is displayed.  4. In step 9, clicking on the recovery link redirects the user to a page where they can reset their forgotten password. |
| **Actual Result** | 1. The user is successfully redirected to the password recovery page.  2. The user receives a notification to check their email to complete the password recovery process.  3. If an invalid email address is entered, an error message is displayed “Please enter the correct email address”.  4. After clicking on the recovery link, the user is redirected to a page with a 404 status. |
| **Pass/ Fail** | 1. Pass  2. Pass  3. Pass  4. Fail |
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| **Test Case Number** | **15.** **Checking Links to Social Media Profiles** |
| **Prerequisites** | * The page is displayed with social media profile links. |
| **Test Case Steps** | 1. Open the Login page: <http://demo.baasic.com/angular/starterkit-photo-gallery/login> 2. Click on the Facebook profile link. 3. Click on the Twitter profile link. 4. Click on the Google profile link. 5. Click on the GitHub profile link. |
| **Expected Result** | 1. The user is redirected to the correct Facebook profile.  2. The user is redirected to the correct Twitter profile.  3. The user is redirected to the correct Google profile.  4. The user is redirected to the correct GitHub profile. |
| **Actual Result** | The social media profile buttons are not functioning correctly. There is no redirection to the expected social media profile pages when clicked and the user is shown a message "undefined: Social login configuration not found.”. |
| **Pass/ Fail** | Fail |
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| **Test Case Number** | **5. Password Recovery** |
| **Prerequisites** | * The user is on login page * The user is registered on the website * The password recovery link is available on the website |
| **Test Case Steps** | 1. Click the password recovery link on the website to initiate the password recovery process. 2. In the email address field enter a valid email address associated with the user account. 3. Click the “Recover Password” button to submit the password recovery request. 4. Check your email and locate the email message received after submitting the password recovery request. 5. On the page for entering a new password, enter your desired new password in the appropriate field. 6. Enter the new password again in the password confirmation field. 7. Click the “Save” button to save the new password. 8. Attempt to log in with the new password. |
| **Expected Result** | 1. The system redirects you to the password recovery page where you can enter your email address.  2. The email address is successfully entered in the input field.  3. The system successfully accepts the request and sends an email with further instructions for password recovery to the entered email address.  4. The email message contains detailed instructions on how to reset the password.  5. The new password is successfully entered in the input field.  6. The ne password is successfully confirmed.  7. The system successfully accepts the ne password and updates the user account.  8. Logging in with the new password is successful and the system allows access to the user account. |
| **Actual Result** | Status: Password recovery error.  Description: The password recovery link is invalid and leads to a “404 Not Found” error.  Additional information: It is recommended to verify the correctness of the password recovery link to ensure that users can access the password reset page correctly. This error may be caused by an incorrectly generated or outdated link. |
| **Pass/ Fail** | Fail |
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| **Test Case Number** | **16. Return to Home and Menu Page from Login Page** |
| **Prerequisites** | * The login page is displayed with a logo and a dropdown menu. |
| **Test Case Steps** | 1. Open the login page: <http://demo.baasic.com/angular/starterkit-photo-gallery/login> 2. Hover the mouse cursor over the logo. 3. Verify that the logo transforms into a clickable link to the home page. 4. Click on the logo to navigate to the home page. 5. Hover the mouse cursor over the dropdown menu. 6. Verify that the dropdown menu opens, displaying the menu options. 7. Click on the menu link in the dropdown menu to navigate to the menu page. 8. Hover the mouse cursor over the logo. 9. Verify that the logo transforms into a dropdown menu with clickable link to the menu page. 10. Click on the menu link in the dropdown menu to navigate to the menu page. 11. Verify that clicking on the menu link in the dropdown menu successfully navigates the user to the menu page. |
| **Expected Result** | 1. When hovering over the logo, the cursor changes indicating it is clickable and the logo transforms into a link to the home page. 2. When clicking on the logo, the user is successfully redirected to the home page.  3. When hovering over the dropdown menu, the menu options are displayed.  4. When clicking on the menu link in the dropdown menu, the user is redirected to the menu page.  5. The user is successfully navigated to the menu page |
| **Actual Result** | 1. When hovering over the logo, the logo transforms into a clickable link leading to the home page.  2. By clicking on the logo, the user is successfully redirected to the home page.  3. When hovering over the dropdown menu, the menu options are displayed.  4. By clicking on the menu link in the dropdown menu, the user is redirected to the menu page.  5. The user is successfully navigated to the menu page. |
| **Pass/ Fail** | Pass |
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## Photo Gallery

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| **Test Case Number** | **17.** **Accessing User Albums and Photos** |
| **Prerequisites** | * The user is logged in and has access to their user profile. * The user profile page is displayed with the user's albums listed. |
| **Test Case Steps** | 1. Open the login page: <http://demo.baasic.com/angular/starterkit-photo-gallery/login> 2. Log in with valid credentials. 3. Verify that the user is successfully logged in and redirected to their user profile. 4. Check for the presence of the user's albums on the profile page. 5. Click on one of the albums to view its contents. 6. Verify that the album's contents, including the photos and descriptions, are displayed. 7. Navigate back to the user profile page. 8. Repeat steps 4-6 for other albums listed on the profile page. |
| **Expected Result** | 1. After logging in, the user is successfully redirected to their user profile.  2. The user's albums and photos are listed on the profile page.  3. Clicking on an album displays its contents, including the photos.  4. Navigating back to the user profile page allows the user to access other albums and their respective photos. |
| **Actual Result** | When accessing my profile and clicking on the first displayed album and then on the first photo in that album, a "404 Not Found" page is displayed. |
| **Pass/ Fail** | Fail |
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| **Test Case Number** | **18. Album Creation** |
| **Prerequisites** | * The user is logged in and has access to their profile page * The profile page allows album creation |
| **Test Case Steps** | 1. Navigate to the profile page. 2. Click on “create album” button. 3. Enter the desired album name in the designated field. 4. Optionally, enter a description for the album. 5. Click on the “save album” button. 6. Click on the “upload cover image” button. 7. Click on the “upload image” button. 8. Select the desired image file for the cover photo. 9. Don’t change the name of the photo as it was filled automatically. 10. Verify that the appropriate message is displayed due to attempt to upload a photo with a duplicate name. 11. Click on the “upload” button. 12. Verify the photo is not being uploaded. 13. Change the name of the photo. 14. Optionally, enter a description for the photo. 15. Click on the “upload” button to create the album. 16. Locate the desired album and click on “upload” button on its thumbnail. 17. Repeat steps 7-15 18. Verify the cover photo is changed and no data is lost. |
| **Expected Result** | 1. The new album is successfully created with the entered album name and description.  2. The cover photo is uploaded and associated with the created album.  3. The appropriate message is displayed when attempting to upload a photo with a duplicate name.  4. The album is saved and displayed on the user's profile page. |
| **Actual Result** | 1. The appropriate message is displayed when attempting to upload a photo with a duplicate name: “Name taken, please choose another”.  2. The album creation process is successful.  3. The entered album name and description are saved and associated with the new album.  4. The selected cover photo is uploaded and displayed as the cover image for the album.  5. The created album is visible and accessible on the user's profile page. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **19.** **Photo Upload** |
| **Prerequisites** | * The user is logged in and has access to their profile page. * The profile page displays the user's existing albums. * There is at least one album created in the user's profile. |
| **Test Case Steps** | 1. Navigate to the profile page. 2. Locate the desired album to which the photo will be uploaded. 3. Access the album by clicking on its thumbnail. 4. Click on the “upload photo” button. 5. Click on the “upload image” button. 6. Select the desired image file for the upload. 7. Enter/rename the desired photo name in the designated field. 8. Optionally, enter a description for the photo. 9. Click on the “upload” button to upload the photo. 10. Click on “back to the albums” button. 11. Access the album by clicking on its thumbnail. 12. Verify that the album's contents, including the photo/s and descriptions, are displayed 13. View photo by clicking on its thumbnail. 14. Open the home page: <https://demo.baasic.com/angular/starterkit-photo-gallery/main> 15. Click on the "display photos" button to access the photo gallery. 16. Verify that the uploaded photo and is displayed. 17. Click on the search field. 18. Enter a photo name in the search field. 19. Perform the search. 20. Verify that the uploaded photo is displayed in the search results. |
| **Expected Result** | 1. The uploaded photo is successfully added to the selected album.  2. If a description is provided, it is associated with the photo in the album.  3. The changes are saved and reflected in the user's profile, displaying the uploaded photo within the selected album. |
| **Actual Result** | When clicking on the uploaded photo in the album to view it, a "404 Not Found" page is displayed with the message "404: page missing". But when attempting to view the photo in the home page image gallery, it is properly displayed. The uploaded photo can be successfully viewed in the image gallery.  This result indicates that the photo was successfully uploaded but when attempting to view the photo in the album, it is not displayed. Instead, a 404 page is shown. |
| **Pass/ Fail** | Fail |
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| **Test Case Number** | **20. Photo Deletion** |
| **Prerequisites** | * The user is logged in and has access to their profile page * The profile page displays the user's existing albums * There is at least one album with uploaded photos |
| **Test Case Steps** | 1. Navigate to the profile page. 2. Locate the album containing the photo that needs to be deleted. 3. Access the album and identify the specific photo. 4. Click on the “delete” button. 5. Click on “cancel” button to verify its functionality. 6. Click again on “delete” button. 7. Click on “delete” button again to confirm the deletion when prompted. 8. Click “go back to albums” button. 9. Access the album by clicking on its thumbnail. 10. Verify that the photo has been deleted. 11. Open the home page: <https://demo.baasic.com/angular/starterkit-photo-gallery/main> 12. Click on the search field. 13. Enter a photo name in the search field. 14. Perform the search. 15. Verify that the deleted photo is not displayed in the search results. |
| **Expected Result** | 1. The selected photo is successfully deleted from the album.  2. The photo is permanently removed from the album and is no longer visible on the user's profile. |
| **Actual Result** | Test Case 20 for deleting a specific photo from the album has been marked as "pass" but the test report will indicate that occasional irregularities were observed during the execution of Test Case 20. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **21.** **Album Deletion** |
| **Prerequisites** | * The user is logged in and has access to their profile page. * The profile page displays the user's existing albums. |
| **Test Case Steps** | 1. Navigate to the profile page. 2. Locate the album that needs to be deleted. 3. Click on the “delete” button to delete the album. 4. Confirm the deletion when prompted. 5. Open the home page: <https://demo.baasic.com/angular/starterkit-photo-gallery/main> 6. Click on the search field. 7. Enter a photo name from deleted album in the search field. 8. Perform the search. 9. Verify that the specific photo is not displayed in the search results. |
| **Expected Result** | 1. The selected album is successfully deleted.  2. The album and its associated photos are permanently removed from the user's profile and photo gallery. |
| **Actual Result** | The selected album has been successfully deleted from the user's profile. The album and all associated photos have been permanently removed from the profile page and photo gallery.  Test Case 21 for deleting a specific album from the profile has been marked as "pass" but the test report will indicate that occasional irregularities were observed during the execution of Test Case 21. |
| **Pass/ Fail** | Pass |
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| **Test Case Number** | **22. Album and Photo Display Verification** |
| **Prerequisites** | * The user is logged in and has access to their profile page * The profile page allows the creation and display of albums * The album page allows the creation and display of photos |
| **Test Case Steps** | 1. Create multiple albums, each containing a sufficient number of photos to exceed the visible portion of the screen. 2. Verify that the albums and their respective cover photos are displayed within the screen boundaries. 3. Scroll through the albums and ensure that all albums and their cover photos remain within the visible portion of the screen. 4. Select an album and verify that the photos within the album are displayed within the screen boundaries. 5. Scroll through the photos and ensure that all photos remain within the visible portion of the screen. 6. Click any photo to view it. 7. Verify that the images change in the corresponding order by clicking on the left arrow. 8. Verify that the images also change in the corresponding order by clicking on the right arrow. 9. Take note that the image title and description automatically updates according to the display image. 10. Also, verify that the image’s ordinal number is displayed correctly along with the title and description. |
| **Expected Result** | 1. The albums and their respective cover photos are displayed within the screen boundaries.  2. When scrolling through the albums, all albums and their cover photos remain within the visible portion of the screen.  3. When selecting an album, the photos within the album are displayed within the screen boundaries.  4. When scrolling through the photos, all photos remain within the visible portion of the screen.  5. Clicking on a photo allows the user to view it.  6. Clicking the left arrow changes the displayed image to the previous image in the corresponding order.  7. Clicking the right arrow changes the displayed image to the next image in the corresponding order.  8. The image title and description are automatically updated according to the displayed image.  9. The image's ordinal number is displayed correctly along with the title and description. |
| **Actual Result** | 1. The albums and their respective cover photos are displayed within the screen boundaries as expected.  2. Scrolling through the albums maintains all albums and their cover photos within the visible portion of the screen.  3. Selecting an album displays the photos within the album within the screen boundaries.  4. Scrolling through the photos keeps all photos within the visible portion of the screen.  5. Clicking on a photo successfully opens and displays the selected image.  6. Clicking the left arrow appropriately changes the displayed image to the previous image in the corresponding order.  7. Clicking the right arrow correctly changes the displayed image to the next image in the corresponding order.  8. The image title and description are dynamically updated to match the displayed image.  9. The image's ordinal number is accurately displayed alongside the title and description.  Test Case 22 for verification of album and photo display has been marked as "pass" but the test report will indicate that occasional irregularities were observed during the execution of Test Case 22. |
| **Pass/ Fail** | Pass |
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