

Test Cases for Feed Viewer Application

RSS Hamster

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Web Application

Test Cases relating to use of the Web Application.

Mainly relate to non-Admin Users.

Use Case 1: User Registration

Test Case ID: TC-UC001-001

Description: Test user registration with valid details

Preconditions: User has access to the registration page

Steps:

1. Navigate to the registration page.
2. Enter valid details (name: "John van Doe", username: "JohnnyDoe", email: "johndoe@test.test", password: "password").
3. Submit the registration form.

Expected Results:

- The system validates the information and creates a new account.
- The user is redirected to the login page.

Postconditions:

- User is registered.

Test Case ID: TC-UC001-002

Description: Test user registration with an already used email

Preconditions: User has access to the registration page

Steps:

1. Navigate to the registration page.
2. Enter details (name: "John van Doe", username: "JohnnyDoe", email: "johndoe@test.test", password: "password").
3. Submit the registration form.

Expected Results:

- The system prompts the user to use a different email.

Postconditions:

- User is not registered.

Test Case ID: TC-UC001-003

Description: Test user registration with a weak password

Preconditions: User has access to the registration page

Steps:

1. Navigate to the registration page.
2. Enter details (name: "John van Doe1", username: "JohnnyDoe1", email: "johndoe@test1.test", password: "pass").
3. Submit the registration form.

Expected Results:

- The system prompts the user to choose a stronger password.

Postconditions:

- User is not registered.

Use Case 2: User Login

Test Case ID: TC-UC002-001

Description: Test user login with valid credentials

Preconditions: User is registered and has access to the login page

Steps:

1. Navigate to the login page.
2. Enter valid credentials (email: "johndoe@test.test", password: "password").
3. Submit the login form.

Expected Results:

- The system validates the information and logs in the user.

Postconditions:

- User is logged in.

Test Case ID: TC-UC002-002

Description: Test user login with non-existent email

Preconditions: User has access to the login page

Steps:

1. Navigate to the login page.
2. Enter an email not associated with any account(email: "fake.email@test.test", password: "password").
3. Submit the login form.

Expected Results:

- The system prompts the user to use a different email.

Postconditions:

- User is not logged in.

Test Case ID: TC-UC002-003

Description: Test user login with incorrect password

Preconditions: User is registered and has access to the login page

Steps:

1. Navigate to the login page.
2. Enter a valid email and an incorrect password (email: "johndoe@test.test", password: "wrongPassword")..
3. Submit the login form.

Expected Results:

- The system prompts the user to try again.

Postconditions:

- User is not logged in.

Use Case 3: Search for Feeds

Test Case ID: TC-UC003-001

Description: Test feed search with matching criteria

Preconditions: User has access to the application

Steps:

1. Enter a feed name in the search bar ("DougDoug").
2. Submit the search.

Expected Results:

- The system processes the search and retrieves matching feeds.
- The system displays the search results.

Postconditions:

- Search results are displayed.

Test Case ID: TC-UC003-002

Description: Test feed search with no matching criteria

Preconditions: User has access to the application

Steps:

1. Enter a non-existent feed name in the search bar ("baufhbudhasfdhaj").
2. Submit the search.

Expected Results:

- The system displays a "no results found" message.

Postconditions:

- No search results are displayed.

Use Case 4: Filter Feeds

Test Case ID: TC-UC004-001

Description: Test feed filtering with valid criteria

Preconditions: User has access to the application

Steps:

1. Navigate to 'All Feeds' page.
2. Select filters from the available options (Minimum Likes:"10").
3. Submit the search.

Expected Results:

- The system processes the search and retrieves matching feeds.
- The system displays the search results.

Postconditions:

- Filtered search results are displayed.

Test Case ID: TC-UC004-002

Description: Test feed filtering with criteria resulting in no matches

Preconditions: User has access to the application

Steps:

1. Navigate to 'All Feeds' page.
2. Select filters that do not match any feeds (Minimum Likes:"10000").
3. Submit the search.

Expected Results:

- The system displays a "no results found" message.

Postconditions:

- No filtered search results are displayed.

Use Case 5: Generate Recommendations

Test Case ID: TC-UC005-001

Description: Test generating recommendations with sufficient user data

Preconditions: User is logged in with an account that has a history (reviews + liked categories & feeds)

Steps:

1. Navigate to 'All Feeds' page.
2. Select 'Generate Recommendations'.

Expected Results:

- The system processes the user's data and retrieves a list of recommended feeds.
- The system displays the recommended feeds.

Postconditions:

- Recommended feeds are displayed.

Test Case ID: TC-UC005-002

Description: Test generating recommendations with insufficient user data

Preconditions: User is logged in with a new account

Steps:

1. Navigate to 'All Feeds' page.
2. Select 'Generate Recommendations'.

Expected Results:

- The system displays a "not enough data" message.

Postconditions:

- No recommendations are displayed.

Use Case 6: View Feed Details

Test Case ID: TC-UC006-001

Description: Test viewing feed details from search results

Preconditions: User has performed a search ("DougDoug")

Steps:

1. Select a feed from the search results ("DougDoug").

Expected Results:

- The system retrieves and displays detailed information about the selected feed.

Postconditions:

- Feed details are displayed.

Test Case ID: TC-UC006-002

Description: Test viewing feed details from feed listings

Preconditions: User is navigating through feed listings

Steps:

1. Select a feed from the listings ("DougDoug").

Expected Results:

- The system retrieves and displays detailed information about the selected feed.

Postconditions:

- Feed details are displayed.

Use Case 7: Write and Rate a Feed

Test Case ID: TC-UC007-001

Description: Test writing a review and rating a feed

Preconditions: User is logged in and viewing feed details

Steps:

1. Navigate to the review section of the feed details page.

2. Writes a review (Title: "Test", MainBody: "this feed is great!").
3. Submit the review and rating.

Expected Results:

- The system saves the review and rating.
- The system updates the feed's overall rating. -The system displays the new review and rating.

Postconditions:

- Review and rating are saved and displayed.

Test Case ID: TC-UC007-002

Description: Test writing an inappropriate review

Preconditions: User is logged in and viewing feed details

Steps:

1. Navigate to the review section of the feed details page.
2. Write an inappropriate review (Title: "Test", MainBody: "F*ck this feed!").
3. Submit the review.

Expected Results:

- The system flags the review and prompts the user to revise it.

Postconditions:

- Inappropriate review is not saved.

WinForms Application

Test Cases relating to use of the WinForms Application.

Mainly relate to Admin Users.

Use Case 8: User Login (Admin)

Test Case ID: TC-UC008-001

Description: Test admin login with valid credentials

Preconditions: Admin has access to the WinForms application

Steps:

1. Enter valid credentials (email: "TestUser@email.com", password: "password").
2. Submit the login form.

Expected Results:

- The system validates the information and logs in the admin.

Postconditions:

- Admin is logged in.

Test Case ID: TC-UC008-002

Description: Test admin login with non-existent email

Preconditions: Admin has access to the WinForms application

Steps:

1. Enter an email not associated with any account and a password (email: "fake.email@test.test", password: "password").
2. Submit the login form.

Expected Results:

- The system prompts the admin to use a different email.

Postconditions:

- Admin is not logged in.

Test Case ID: TC-UC008-003

Description: Test admin login with incorrect password

Preconditions: Admin has access to the WinForms application

Steps:

1. Enter a valid email and an incorrect password. (email: "TestUser@email.com", password: "wrongPassword")
2. Submit the login form.

Expected Results:

- The system prompts the admin to try again.

Postconditions:

- Admin is not logged in.

Use Case 9: Manage Feed Database (Admin)

Test Case ID: TC-UC009-001

Description: Test adding a new feed

Preconditions: Admin is logged in

Steps:

1. Navigate to the feeds tab.
2. Select the option to add a new feed.
3. Enter feed information (Name: "Daily Dose of Internet", Source: "https://www.youtube.com/feeds/videos.xml?channel_id=UCdC0An4ZPNr_YiFiYoVbwaw", Parser: "Default", Item Parser: "Youtube").
4. Submit the changes.

Expected Results:

- The system validates and saves the changes.
- The system updates the feed database.
- The system displays a confirmation message.

Postconditions:

- New feed is added to the database.

Test Case ID: TC-UC009-002

Description: Test editing an existing feed

Preconditions: Admin is logged in

Steps:

1. Navigate to the feeds form.
2. Select a feed and the update button (Name: "Daily Dose of Internet").
3. Update feed information (Name: "Daily Dose of Internet2").
4. Submit the changes.

Expected Results:

- The system validates and saves the changes.
- The system updates the feed database.
- The system displays a confirmation message.

Postconditions:

- Feed information is updated in the database.

Test Case ID: TC-UC009-003

Description: Test deleting an existing feed

Preconditions: Admin is logged in

Steps:

1. Navigate to the feeds form.
2. Select a feed (Name: "Daily Dose of Internet2") and the delete button.
3. Confirm the deletion.

Expected Results:

- The system validates the request.
- The system removes the feed from the database.
- The system displays a confirmation message.

Postconditions:

- Feed is removed from the database.

Use Case 10: Manage User Accounts (Admin)

Test Case ID: TC-UC010-001

Description: Test resetting a user password

Preconditions: Admin is logged in

Steps:

1. Navigate to the user management section.

2. Select a user and click update (ID: 1 or Name: "a").
3. Change password (Password: "newPassword").
4. Submit the changes.

Expected Results:

- The system validates and saves the changes.
- The system displays a confirmation message.

Postconditions:

- User password is reset.

Test Case ID: TC-UC010-002

Description: Test updating a user email

Preconditions: Admin is logged in

Steps:

1. Navigate to the user management section.
2. Select a user and click update (ID: 1 or Name: "a").
3. Enter the new email address (Email: "a@test.test").
4. Submit the changes.

Expected Results:

- The system validates and saves the changes.
- The system displays a confirmation message.

Postconditions:

- User email is updated.

Test Case ID: TC-UC010-003

Description: Test deactivating a user account

Preconditions: Admin is logged in

Steps:

1. Navigate to the user management section.
2. Select a user and click delete (ID: 1 or Name: "a").

Expected Results:

- The system validates and saves the changes.
- The system displays a confirmation message.

Postconditions:

- User account is deactivated.

Use Case 11: Moderate User Content (Admin)

Test Case ID: TC-UC011-001

Description: Test moderating user content by deleting a review

Preconditions: Admin is logged in

Steps:

1. Navigate to the reviews section.
2. Select a review to delete (Name: "Test").
3. Click delete.

Expected Results:

- The system updates the status of the content.
- The system displays a confirmation message.

Postconditions:

- Review is deleted.

Test Case ID: TC-UC011-002

Description: Test moderating user content by editing a review

Preconditions: Admin is logged in

Steps:

1. Navigate to the reviews section.
2. Select a review to edit (Name: "Test").
3. Click update.
4. Change MainBody (MainBody: "censored review").

Expected Results:

- The system updates the status of the content.
- The system displays a confirmation message.

Postconditions:

- Review is edited and updated.