

# **Use Cases for Feed Viewer Application**

## **RSS Hamster**

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## Web Application

Use Cases relating to use of the Web Application.

Mainly relate to non-Admin Users.

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### Use Case 1: User Registration

**Use Case ID:** UC-001

**Description:** Allow users to register a new account and log in to the application.

**Primary Actor:** User

**Preconditions:** - User has access to the Web Application.

**Postconditions:** - User is registered.

**Main Flow:**

1. User navigates to the register page.
2. User enters required information (name, username, email, password).
3. User submits the registration form.
4. System validates the information and creates a new account.
5. System sends user to login page.

**Alternate Flow:**

- 3a. If the email is already in use, the system prompts the user to use a different email.
  - 3b. If the password does not meet security requirements, the system prompts the user to choose a stronger password.
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### Use Case 2: User Login

**Use Case ID:** UC-002

**Description:** Allow users to log in to the application.

**Primary Actor:** User

**Preconditions:** - User has access to the Web Application.

**Postconditions:** - User is logged in.

**Main Flow:**

1. User navigates to the login page.
2. User enters required information (email, password).
3. User submits the login form.
4. System validates the information and logs in with the account.

**Alternate Flow:**

4a. If the email does not match any existing account, the system prompts the user to use a different email.

4b. If the email matches an account but the password does not, the system prompts the user to try again.

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## Use Case 3: Search for Feeds

**Use Case ID:** UC-003

**Description:** Allow users to search for feeds by name.

**Primary Actor:** User

**Preconditions:** - User has access to the Web Application.

**Postconditions:** - Search results are displayed based on the user's input.

**Main Flow:**

1. User enters feed name (or part there off) in search bar.
2. User submits the search.
3. System processes the search and retrieves matching feeds.
4. System displays the search results.

**Alternate Flow:**

3a. If no feeds match the criteria, the system displays a "no results found" message.

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## Use Case 4: Filter Feeds

**Use Case ID:** UC-004

**Description:** Allow users to filter searches.

**Primary Actor:** User

**Preconditions:** - User has access to the Web Application.

**Postconditions:** - Search results are displayed based on the user's input.

**Main Flow:**

1. User navigates to 'All Feeds' page.
2. User selects a number of filters from available options.
3. User submits the search.
4. System processes the search and retrieves matching feeds.
5. System displays the search results.

**Alternate Flow:**

3a. If no feeds match the criteria, the system displays a "no results found" message.

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## Use Case 5: Generate Recommendations

**Use Case ID:** UC-005

**Description:** Give Users a list of recommended feeds.

**Primary Actor:** User

**Preconditions:** - User is logged in.

**Postconditions:** - Recommended results are displayed based on user data.

**Main Flow:**

1. User navigates to 'All Feeds' page.
2. User selects 'Generate Recommendations'.

3. System processes the users data and retrieves a list of feeds.
4. System displays the recommended feeds results.

**Alternate Flow:**

3a. If the system does not have enough information on the user a “not enough data” message is displayed.

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## Use Case 6: View Feed Details

**Use Case ID:** UC-006

**Description:** Allow users to view detailed information about a specific feed.

**Primary Actor:** User

**Preconditions:** - User has performed a search or navigated through feed listings.

**Postconditions:** - Detailed feed information is displayed.

**Main Flow:**

1. User selects a feed from the search results or listings.
  2. System retrieves detailed information about the selected feed.
  3. System displays the feed details (title, last updated date, items, additional content, comments, reviews).
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## Use Case 7: Write and Rate a Feed

**Use Case ID:** UC-007

**Description:** Allow users to write reviews and rate feeds.

**Primary Actor:** User

**Preconditions:** - User is logged in. - User is viewing the details of a feed.

**Postconditions:** - The review and rating are saved and displayed.

**Main Flow:**

1. User navigates to the review section of the feed details page.

2. User writes a review and selects a rating.
3. User submits the review and rating.
4. System saves the review and rating.
5. System updates the feed's overall rating based on the new submission.
6. System displays the new review and rating.

**Alternate Flow:**

3a. If the review content is inappropriate, the system flags the review and prompts the user to revise it.

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## WinForms Application

Use Cases relating to use of the WinForms Application.

Mainly relate to Admin Users.

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### Use Case 8: User Login

**Use Case ID:** UC-008

**Description:** Allow users to log in to the application.

**Primary Actor:** User

**Preconditions:** - User has access to the WinForms Application.

**Postconditions:** - User is logged in.

**Main Flow:**

1. User enters required information (email, password).
2. User submits the login form.
3. System validates the information and logs in with the account.

**Alternate Flow:**

3a. If the email does not match any existing account, the system prompts the user to use a different email.

3b. If the email matches an account but the password does not, the system prompts the user to try again.

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### Use Case 9: Manage Feed Database (Admin)

**Use Case ID:** UC-009

**Description:** Allow administrators to manage the feed database.

**Primary Actor:** Admin

**Preconditions:** - Admin is logged in.

**Postconditions:** - Changes to the feed database are saved and updated.

**Main Flow:**

1. Admin logs in and navigates to the feeds form.
2. Admin selects an option to add, edit, or delete a feed.
3. Admin enters or updates feed information (title, director, cast, synopsis, release date, genre).
4. Admin submits the changes.
5. System validates and saves the changes.
6. System updates the feed database and displays a confirmation message.

**Alternate Flow:**

4a. If the feed information is incomplete or incorrect, the system prompts the admin to correct the errors.

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## Use Case 10: Manage User Accounts (Admin)

**Use Case ID:** UC-010

**Description:** Allow administrators to manage user accounts.

**Primary Actor:** Admin

**Preconditions:** - Admin is logged in.

**Postconditions:** - User accounts are updated as necessary.

**Main Flow:**

1. Admin logs in and navigates to the user management section.
2. Admin selects an option to view, edit, or delete a user account.
3. Admin makes the necessary changes (e.g., reset password, update email, deactivate account).
4. Admin submits the changes.
5. System validates and saves the changes.



6. System displays a confirmation message.

**Alternate Flow:** 4a. If the changes are invalid (e.g., email already in use), the system prompts the admin to correct the errors.

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## Use Case 11: Moderate User Content (Admin)

**Use Case ID:** UC-011

**Description:** Allow administrators to moderate user reviews and ratings.

**Primary Actor:** Admin

**Preconditions:** - Admin is logged in.

**Postconditions:** - User-generated content is moderated and updated.

**Main Flow:**

1. Admin logs in and navigates to the reviews section.
  2. Admin reviews content.
  3. Admin decides to edit or delete the content.
  4. Admin submits the moderation decision.
  5. System updates the status of the content based on the admin's decision.
  6. System displays a confirmation message.
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