Test Case Number: TC-Login-01  
Revision: Rev. 1  
Author:   
Date Conducted: Oct 31, 2024  
Test Conductor:   
Customer Representative: Jane Doe

Description: This test case verifies that users can log in with valid credentials.

Pre-Test Setup:

1. Ensure user account is registered and active.

Use Case: User Login  
Flow: Main Flow

| **User Action** | **Expected Results** | **P/F** | **Comment** |
| --- | --- | --- | --- |
| 1. Enter valid email and password. | Pass: User is directed to the home page with personalized feed displayed. | Pass |  |
|  | Fail: Error message "Invalid credentials" if email or password is incorrect. | Fail |  |
| 2. Click on the "Login" button. | Pass: Session is active, and token is stored. | Pass |  |
|  | Fail: If token is not stored, session does not activate, and user is redirected to login page again. | Fail |  |

Post-Condition: Session is active, and the user has access to the personalized feed.

Test Case Number: TC-Logout-01  
Revision: Rev. 1  
Author:   
Date Conducted: Oct 31, 2024  
Test Conductor:   
Customer Representative: Jane Doe

Description: This test case ensures that users can log out successfully.

Pre-Test Setup:

1. User is logged in.

Use Case: User Logout  
Flow: Main Flow

| **User Action** | **Expected Results** | **P/F** | **Comment** |
| --- | --- | --- | --- |
| 1. Click on the "Logout" button in the profile dropdown. | Pass: User is redirected to the login page, and session data is cleared. | Pass |  |
|  | Fail: If session data is not cleared, user remains logged in and is not redirected to login page. | Fail |  |

Post-Condition: User session is inactive.

Test Case Number: TC-Post-01  
Revision: Rev. 1  
Author:   
Date Conducted: Oct 31, 2024  
Test Conductor:   
Customer Representative: Jane Doe

Description: This test case verifies that users can create posts.

Pre-Test Setup:

1. User is logged in.

Use Case: Post Creation  
Flow: Main Flow

| **User Action** | **Expected Results** | **P/F** | **Comment** |
| --- | --- | --- | --- |
| 1. Click on "Create Post." | Pass: Post creation form appears. | Pass |  |
| 2. Enter text, attach an image (optional), and click "Submit." | Pass: Post appears at the top of the feed. | Pass |  |
|  | Fail: If post does not appear in the feed, error "Post creation failed" is shown. | Fail |  |

Post-Condition: Post is saved in the database and visible to others.

Test Case Number: TC-Post-Interaction-01  
Revision: Rev. 1  
Author:   
Date Conducted: Oct 31, 2024  
Test Conductor:   
Customer Representative: Jane Doe

Description: This test case ensures users can like and comment on posts.

Pre-Test Setup:

1. A post is available in the feed.

Use Case: Like and Comment on Post  
Flow: Main Flow

| **User Action** | **Expected Results** | **P/F** | **Comment** |
| --- | --- | --- | --- |
| 1. Click the "Like" button. | Pass: Like counter increases. | Pass |  |
|  | Fail: Like counter does not update, and no interaction feedback is shown. | Fail |  |
| 2. Type a comment and click "Submit." | Pass: Comment is visible on the post. | Pass |  |
|  | Fail: Comment does not appear, and error "Failed to post comment" is displayed. | Fail |  |

Post-Condition: Interaction is stored and displayed.

Test Case Number: TC-Recommend-01  
Revision: Rev. 1  
Author:   
Date Conducted: Oct 31, 2024  
Test Conductor:   
Customer Representative: Jane Doe

Description: This test case verifies that the recommendation feed shows posts based on user interests.

Pre-Test Setup:

1. User has liked, shared, or interacted with several posts.

Use Case: Recommendation Feed  
Flow: Recommendation Flow

| **User Action** | **Expected Results** | **P/F** | **Comment** |
| --- | --- | --- | --- |
| 1. Access the "Recommendations" section. | Pass: Feed displays posts aligned with the user’s past interactions. | Pass |  |
|  | Fail: Feed displays unrelated posts with no relevance to user’s interests. | Fail |  |

Post-Condition: Recommendations update with each interaction.

Test Case Number: TC-Message-01  
Revision: Rev. 1  
Author:   
Date Conducted: Oct 31, 2024  
Test Conductor:   
Customer Representative: Jane Doe

Description: This test case ensures that users can send and receive real-time messages.

Pre-Test Setup:

1. User is logged in, and a chat is open.

Use Case: Real-Time Messaging  
Flow: Main Flow

| **User Action** | **Expected Results** | **P/F** | **Comment** |
| --- | --- | --- | --- |
| 1. Open a chat with another user. | Pass: Chat interface displays correctly. | Pass |  |
| 2. Send a message and verify delivery status. | Pass: Message appears in real-time on both ends. | Pass |  |
|  | Fail: Message delivery fails or displays "Failed to send message" error. | Fail |  |

Post-Condition: Message data is saved.

Test Case Number: TC-Profile-01  
Revision: Rev. 1  
Author:   
Date Conducted: Oct 31, 2024  
Test Conductor:   
Customer Representative: Jane Doe

Description: This test case verifies that users can update their profile information.

Pre-Test Setup:

1. User is logged in and on their profile page.

Use Case: Profile Update  
Flow: Main Flow

| **User Action** | **Expected Results** | **P/F** | **Comment** |
| --- | --- | --- | --- |
| 1. Click "Edit Profile." | Pass: Profile fields are editable. | Pass |  |
| 2. Update fields like bio, profile picture, and interests, then save changes. | Pass: Updated information is displayed and saved. | Pass |  |
|  | Fail: If changes do not save, error "Failed to update profile" is displayed. | Fail |  |

Post-Condition: New data is saved and shown to other users.