Assignment

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| **Test Case ID** | **Test Title** | **Description** | **Test Steps** | **Input Data** | **Expected Results** | **Actual Results** |
| FR-001-A | Register a new account (Case A). | The user with typical credentials registers a new account on the platform. | 1. Navigate to the registration page by pressing ‘New User? [Click To Register](http://127.0.0.1:5000/register)’ from the Login page.  2. Enter the registration details.  3. Submit the registration form by pressing ‘Register’. | 1. Username: Caoimhe Ni Chathasaigh  2. Email: caoimhe@example.com  3. Password: lyFa$gnh}}Z8@hVMvH8n | A new account is successfully created, and confirmation is received. | [Passed]  As expected. |
| FR-001-B | Register a new account (Case B). | Register with edge-case credentials and a weak password | 1. Navigate to the registration page by pressing ‘New User? [Click To Register](http://127.0.0.1:5000/register)’ from the Login page.  2. Enter the registration details.  3. Submit the registration form by pressing ‘Register’. | 1. Username: Oisín N'Gallagher  2. Email: oisin@example.com  3. Password: 123 | A new account is successfully created, and confirmation is received as in the Application functionality no required to have a strong password | [Passed]  As expected. |
| FR-001-C | Register a new account (Case C). | Register with existing username and email, using credentials from the FR-001-A test case. | 1. Navigate to the registration page by pressing ‘New User? [Click To Register](http://127.0.0.1:5000/register)’ from the Login page.  2. Enter the registration details.  3. Submit the registration form by pressing ‘Register’. | 1. Username: Caoimhe Ni Chathasaigh  2. Email: caoimhe@example.com  3. Password: V]\_=%IfOPz2CA4Sefc}[ | Error message is displayed about username and/or email already existing. | [Passed]  As expected. |

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| **Test Case ID** | **Test Title** | **Description** | **Test Steps** | **Input Data** | **Expected Results** | **Actual Results** |
| FR-002-A | Login to existing accounts (Case A) | The user logs in to an existing account using FR-001-B credentials. | 1. Navigate to the [login page](http://127.0.0.1:5000/login).  2. Enter login credentials.  3. Submit the login form by pressing ‘Sign In’ button. | 1. Username: Oisín N'Gallagher  2. Password: 123 | The user is successfully logged in and redirected to the home (index) page. | [Passed]  As expected. |
| FR-002-B | Login to existing accounts (Case B) | Login with incorrect password | 1. Navigate to the [login page](http://127.0.0.1:5000/login).  2. Enter login credentials.  3. Submit the login form by pressing ‘Sign In’ button. | 1. Username: Oisín N'Gallagher  2. Password: password123 | An error message is displayed: The username or password is incorrect. | [Passed]  As expected. |
| FR-002-C | Login to existing accounts (Case C) | Login attempt with unregistered username | 1. Navigate to the [login page](http://127.0.0.1:5000/login).  2. Enter login credentials.  3. Submit the login form by pressing ‘Sign In’ button. | 1. Username: Oisín N'Gallaghe  2. Password: 123 | An error message is displayed: The username or password is incorrect | [Passed]  As expected. |

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| **Test Case ID** | **Test Title** | **Description** | **Test Steps** | **Input Data** | **Expected Results** | **Actual Results** |
| FR-003-A | Create a post (Case A) | The user creates a new post with max characters. | 1. Navigate to the post creation page (home page).  2. Enter 140 characters of text.  3. Submit the post by pressing ‘Post’ button. | “Exploring the art of brevity: This post is designed to fit within 140 characters, showcasing the challenge of succinct expression.” | A new post is successfully created and visible on the user's profile. | [Passed]  As expected. |
| FR-003-B | Create a post (Case B) | The user creates a new post with over maximum characters. | 1. Navigate to the post creation page (home page).  2. Enter 150 characters of text.  3. Submit the post by pressing ‘Post’ button. | “Quick insights in a flash: This ultra-short post is crafted to fit perfectly within 150 characters, demonstrating concise communication.” | A new post fails to appear on the user's profile after creation. | [Failed]  Maximum allowed length should be 140. |
| FR-003-C | Create a post (Case A) | Create a post with special characters | 1. Navigate to the post creation page (home page).  2. Enter text with special characters.  3. Submit the post by pressing ‘Post’ button. | “Amazing read! 📚💖 #inspired” | A new post is successfully created and visible on the user's profile. | [Passed]  As expected. |

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| FR-004-A | View existing posts (Case A) | The user views posts from the current user. | 1. Log in to the Oisín N'Gallagher account.  2. Navigate to the homepage to see the latest posts from the current user. | N/A | The user can see the posts made by himself starting from the recent ones. | [Passed]  As expected. |
| FR-004-B | View existing posts (Case B) | The user views posts from other users. | 1. Log in to the Oisín N'Gallagher account.  2. Navigate to Explorer page | N/A | The user can see and interact with posts from the selected profile. | [Passed]  As expected. |
| FR-004-C | View existing posts (Case C) |  |  | N/A |  |  |

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| FR-005 | Follow profiles | The user follows another profile. | 1. Navigate to the profile to be followed.  2. Click on the 'Follow' button. |  | The user is now following the profile, and updates from this profile appear in the user's feed. | [Passed]  As expected. |

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| FR-006 | Unfollow profiles | The user unfollows a profile they are following. | 1. Navigate to the profile to be unfollowed.  2. Click on the 'Unfollow' button. |  | The user is no longer following the profile and will not see new updates in their feed. | [Passed]  As expected. |

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| **Test Case ID** | **Test Title** | **Description** | **Test Steps** | **Input Data** | **Expected Results** | **Actual Results** |
| FR-007 | View profiles | The user views the details of a profile. | Navigate to a profile page. |  | Profile details are visible including posts, followers, and following count. | [Passed]  As expected. |
|  |  |  | 1. Visit Explore page to find posts from Caoimhe Ni Chathasaigh  2. Select and navigate to the [Caoimhe Ni Chathasaigh profile page](http://127.0.0.1:5000/user/Caoimhe%20Ni%20Chathasaigh) by clicking on the username |  |  |  |

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| FR-008 | Change own username | The user changes their username. | 1. Navigate to account settings.  2. Change the username.  3. Save changes. | New Username | The username is successfully updated. | [Passed]  As expected. |

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| FR-009 | Customize ‘about me’ section of own profile | The user updates their 'About Me' section. | 1. Navigate to profile settings.  2. Update the 'About Me' section.  3. Save changes. | New About Me text | The 'About Me' section is updated successfully. | [Passed]  As expected. |

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| FR-010 | See when a profile was last active | The user sees the last active time of a profile. | Navigate to a profile page. |  | The last active time is visible on the profile. | [Passed]  As expected. |

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| FR-011 | See how many followers a profile has | The user checks how many followers a profile has. | Navigate to a profile page. |  | Number of followers is visible on the profile. | [Passed]  As expected. |

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| FR-012 | See how many people a profile is following | The user checks how many people a profile is following. | Navigate to a profile page. |  | A number of people the profile is following is visible. | [Passed]  As expected. |

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| FR-013 | Customize their own avatar using the Gravatar service | The user customizes their avatar using Gravatar. | 1. Navigate to the Gravatar website.  2. Link Gravatar to profile.  3. Customize avatar. | Email associated with Gravatar | A new avatar is successfully displayed on the profile. | [Passed]  As expected. |

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| FR-014 | View a feed of posts from profiles being followed | The user views a feed of posts from profiles they are following. | Navigate to the homepage/feed page. |  | Feed shows posts from followed profiles. | [Passed]  As expected. |

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| FR-015 | Posts will be made up of any characters of a length from 1 to 140 | Ensure posts can be created with any length within the specified range. | 1. Attempt to create posts of various lengths within and outside the specified range. | Post content of various lengths | Post creation is successful for lengths from 1 to 140 characters and fails for lengths beyond 140. | [Failed]  Maximum allowed length is 160. |

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| FR-016 | Each and every feed shall support pagination to the degree of ten posts being displayed per page | Verify the pagination supports displaying exactly ten posts per page. | 1. Populate the feed with more than ten posts. 2. Navigate through pages to verify the count per page. |  | Each page should display exactly ten posts until there are fewer than ten remaining. | [Failed]  Each page shows only 9 posts. |

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| FR-017 | The user should not be able to click ‘newer posts’ or ‘older posts’ if there are none of the desired left to view | Ensure the navigation buttons for newer and older posts are disabled when appropriate. | 1. Navigate to the oldest and newest posts in the feed. 2. Check the state of navigation buttons. |  | ‘Newer posts’ and ‘older posts’ buttons are disabled or not present when there are no more posts to navigate to. | [Passed]  As expected. |

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| FR-018 | Only users registered to the site should be able to view posts on the site. | Confirm that viewing posts requires user registration. | 1. Attempt to view posts without being logged in. 2. Log in and attempt to view posts. |  | Unregistered users cannot view posts, and a prompt to log in or register is displayed; registered users can view posts. | [Passed]  As expected. |

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| FR-019 | Users should not be able to follow themselves | Ensure users cannot follow their own profile. | 1. Navigate to own profile. 2. Look for and attempt to use a follow button. |  | The follow button is either not present or disabled on the user’s own profile. | [Passed]  As expected. |

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| NFR-001 | User profiles can only be changed by the owner | The site restricts profile changes to the profile owner. | Attempt to change another user's profile details without login. |  | Access is denied, and only the profile owner can make changes. | [Passed]  As expected. |

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| NFR-002 | The site shall be efficient and easy to use | Evaluate the site's usability and efficiency. | 1. Navigate through the site's main features.  2. Assess load times and responsiveness.  3. Check for intuitive navigation and user interface. |  | The site is user-friendly, with quick load times and intuitive navigation. | [Passed]  As expected. |

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| NFR-003 | Viewing posts requires site registration | The site requires users to register before they can view posts. | 1. Attempt to view posts without logging in.  2. Register a new account.  3. Attempt to view posts after logging in. |  | Posts are not visible without registration. After registration, posts are accessible. | [Passed]  As expected. |