| **Test Case** | **Description** | **Expected Result** |
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| 1. User Registration | Test registering a new user account with valid credentials. | User account is successfully registered and a confirmation email is sent. |
|  | Test registering a new user account with invalid or incomplete credentials. | Registration fails and appropriate error message is displayed. |
|  | Test registering a new user account with an existing username or email. | Registration fails and appropriate error message is displayed. |
| 2. User Login | Test logging in with valid credentials. | User is successfully logged in and redirected to the diary entry page. |
|  | Test logging in with invalid or incorrect credentials. | Login fails and appropriate error message is displayed. |
|  | Test logging in with an account that has not been verified or activated. | Login fails and appropriate error message is displayed. |
| 3. Diary Entry Creation | Test creating a new diary entry with valid content. | Diary entry is successfully created and saved to the user's diary. |
|  | Test creating a new diary entry with missing or invalid content. | Creation fails and appropriate error message is displayed. |
|  | Test creating a new diary entry while not logged in (should redirect to login page). | User is redirected to the login page. |
| 4. Diary Entry Viewing | Test viewing a single diary entry. | Diary entry is displayed with the correct content. |
|  | Test viewing multiple diary entries. | Multiple diary entries are displayed in the correct order. |
|  | Test viewing diary entries from a specific date or time range. | Diary entries from the specified date or time range are displayed. |
| 5. Diary Entry Editing | Test editing an existing diary entry with valid changes. | Diary entry is successfully updated with the new content. |
|  | Test editing an existing diary entry with missing or invalid changes. | Editing fails and appropriate error message is displayed. |
|  | Test editing an existing diary entry while not logged in (should redirect to login page). | User is redirected to the login page. |
| 6. Diary Entry Deletion | Test deleting an existing diary entry. | Diary entry is successfully deleted from the user's diary. |
|  | Test deleting multiple diary entries at once. | Multiple diary entries are successfully deleted from the user's diary. |
|  | Test deleting a diary entry while not logged in (should redirect to login page). | User is redirected to the login page. |
| 7. Search Functionality | Test searching for diary entries based on keywords or tags. | Diary entries containing the specified keywords or tags are displayed. |
|  | Test searching for diary entries within a specific date range. | Diary entries within the specified date range are displayed. |
| 10. Cross-Browser and Cross-Device Testing | Test the website on different web browsers (e.g., Chrome, Firefox, Safari, Edge). | The website is fully functional and displays correctly on different web browsers. |
|  | Test the website on different devices (e.g., desktop, laptop, tablet, mobile). | The website is fully functional and displays correctly on different devices. |
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