

PSG COLLEGE OF TECHNOLOGY – COIMBATORE DEPARTMENT OF BE COMPUTER SCIENCE ENGINEERING

23Z411 – APPLICATION DEVELOPMENT LABORATORY

An online system to automatically verify new

title submissions by checking for similarities with existing titles.

Table of Test Cases

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| **#** | **TS1** |
| **Title** | Verify "User Signup" functionality |
| **Description** | To test the different scenarios that might arise when a user is trying to login |

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| **#** | **SUMMA RY** | **DEPENDEN CY** | **PRE- CONDITI ON** | **POST- CONDITI ON** | **EXECUTI ON STEPS** | **EXPECTED OUTPUT** | **ACTUA L OUTPU T** |
| TC 1 | Verify that a new user can successfull y sign up with valid details | N/A | User must have internet access, a valid email, and unique credentials | Account is created and user is prompted to verify via email | 1. Navigate to Sign-Up page2. Select role (Title Applicant or PRGI  Official)3. Enter valid Full Name, Email, Username, strong Password, Confirm Password, optional Contact Number4. Click  "Submit" | "Check your email to verify your account" message is displayed | Passed |
| TC 2 | Verify system response when email or username already exists | N/A | Email or username already exists in the system | User is not registered | 1. Navigate to Sign-Up page2. Select role3. Enter already registered Email or Username4. Fill in other fields5. Click  "Submit" | "Email/Userna me already registered. Try a different one." message is displayed | Passed |
| TC 3 | Verify error handling for invalid input formats | N/A | User is on the Sign-Up page | User is not registered | 1. Navigate to Sign-Up page2. Select role3. Enter invalid email format | Validation error messages are displayed (e.g., "Invalid email format") | Failed |

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|  |  |  |  |  | or username format4.  Click "Submit" |  |  |
| TC 4 | Verify password strength validation | N/A | User is on the Sign-Up page | User is not registered | 1. Navigate to Sign-Up page2. Select role3. Enter weak password (missing required elements)4. Click "Submit" | "Password must be at least 8 characters, including uppercase, lowercase, number, and special character." is displayed | Failed |
| TC 5 | Verify behavior when user fails to verify email within 24 hours | Email sent to user | User has submitted registration but hasn’t verified email | Account is deactivated | 1. Complete sign-up2. Do not click email verification link3. Wait 24 hours | System deactivates registration; message to request new link is shown | Failed |
| TC 6 | Verify that no data is stored if user abandons registratio n mid-way | N/A | User starts registration but exits before submitting | No user data is stored | 1. Navigate to Sign-Up page2. Start entering data3. Close browser or leave page  before submitting | No data is saved in the system | Passed |

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|  | **#** | | | **TS2** | | | | | |  |
| **Title** | | | Verify “user login” | | | | | |
| **Description** | | | To test the functionality of the "Login" page where the user provides their **mail ID** and password | | | | | |
| **#** | | **SUMMARY** | **DEPENDENCY** | | **PRE-CONDITION** | **POST- CONDITION** | **EXECUTION STEPS** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | |
| TC1 | | Verify user can log in with valid credentials | User must be registered | | User has a verified and active account | User is logged in, session is recorded, redirected to dashboard | 1. Navigate to Login page2. Select role3. Enter valid Username/Email and Password4. Click “Login” | User is logged in and redirected to dashboard | Passed | |

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| TC2 | Verify system response to incorrect username or password | N/A | User exists | Login fails, error message displayed | 1. Navigate to Login page2. Select role3. Enter incorrect Username/Email or Password4.  Click “Login” | "Invalid username or password. Please try again." message is displayed | Passed |
| TC3 | Verify account lock after 3 failed login attempts | TC2 | User repeats incorrect credentials | Account locked temporarily for 5 minutes | 1. Attempt login with wrong credentials three times consecutively | "Account temporarily locked for 5 minutes." message is displayed | Failed |
| TC4 | Verify password reset via “Forgot  Password?”  link | N/A | User forgets password | User resets password and can log in | 1. Click “Forgot Password?”2. Enter registered email3. Open reset email4. Set new password5. Log in again | User receives reset email, resets password, and logs in successfully | Failed |
| TC5 | Verify login fails for unverified email accounts | Email not verified | User hasn’t completed email verification | Access denied, prompt shown to verify email | 1. Attempt login without verifying email | "Email verification required. Check your inbox." message is displayed | Failed |
| TC6 | Verify login blocked for suspended accounts | Admin suspended the user | User account is inactive/suspended | Access denied | 1. Attempt login using suspended account | "Your account has been suspended. Contact support." message is displayed | Failed |
| TC7 | Verify no session is created if user leaves login page | N/A | User visits login page but does not enter credentials | No session or activity is recorded | 1. Navigate to Login page2. Leave page before entering login details | No login attempt recorded | Passed |

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|  | before logging in |  |  |  |  |  |  |

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|  | **#** | | | **TS3** | | | | | |  |
| **Title** | | | User “Log out” | | | | | |
| **Description** | | | To test the functionality of the “Log out” page . | | | | | |
| **#** | | **SUMMARY** | **DEPENDENCY** | | **PRE- CONDITION** | **POST- CONDITION** | **EXECUTION STEPS** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | |
| TC1 | | Verify successful logout from the system | User must be logged in | | User is logged in | Session is terminated and user is redirected | 1. Click the “Log Out” button2. Confirm logout (if prompted) | User is logged out and redirected to login or homepage | Passed | |
| TC2 | | Verify system behavior on unexpected logout/system crash | N/A | | User is logged in | User must re-login to access system | 1. Log in2. Simulate a crash (e.g., browser force quit or reload)3. Attempt access without login again | User must log in again | Failed | |
| TC3 | | Verify logout is canceled when user selects "Cancel" | Confirmation prompt shown | | User clicks logout and gets confirmation | Session remains active | 1. Click the “Log Out” button2. Click “Cancel” on confirmation prompt | User stays logged in, no redirection occurs | Failed | |

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|  | **#** | | | **TS4** | | | | | |  |
| **Title** | | | Verify "Reset password" functionality | | | | | |
| **Description** | | | To test the functionality of the "Reset password". | | | | | |
| **#** | | **SUMMARY** | **DEPENDENCY** | | **PRE- CONDITION** | **POST- CONDITION** | **EXECUTION STEPS** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | |
| TC1 | | Verify successful password reset with valid current and new password | User must be logged in | | User is logged in | Password updated, success message shown | 1. Navigate to account settings2. Click “Reset  Password”3. Enter correct current password4. Enter valid new password and confirm5. Submit | Password is updated successfully; user may be asked to log in again | Failed | |
| TC2 | | Verify error on incorrect current password | N/A | | User is logged in | Password not changed | 1. Go to “Reset Password”2. Enter incorrect current password3. Submit | "Incorrect current password" message is displayed | Failed | |
| TC3 | | Verify error on weak or invalid new password | N/A | | User is logged in | Password not changed | 1. Go to “Reset Password”2. Enter correct current password3. Enter weak new password (e.g., short or lacking complexity)4. Submit | Validation error with password strength feedback | Failed | |
| TC4 | | Verify error on password mismatch | N/A | | User is logged in | Password not changed | 1. Go to “Reset Password”2. Enter correct current password3. Enter mismatched new and confirm passwords4. Submit | "Passwords do not match" message is displayed | Failed | |
| TC5 | | Verify user can cancel password reset | N/A | | User initiates password reset | Password remains unchanged | 1. Go to “Reset Password”2. Click “Cancel” before submitting | Process is canceled, no change occurs | Failed | |

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|  | **#** | | | **TS5** | | | | |  |
| **Title** | | | Verify "Submit Title for verification" functionality | | | | |
| **Description** | | | Checks the functionality of “Submit Title Verification” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre-condition** |  | **Execution Steps** | **Expected Output** | | Actual Output |
| **TC1** | | Verify that a | - | | User is logged | Title is | 1. Navigate to | The system | |  |
|  | | title applicant |  | | in | processed and | **Submit Title** | displays analysis | |  |
|  | | can successfully |  | |  | results are | section 2. Enter a | results, including | |  |
|  | | submit a title for |  | |  | displayed | valid title 3. Click | similarity score, | | Passed |
|  | | verification |  | |  |  | **Submit** 4. Wait for | acceptance | |  |
|  | |  |  | |  |  | processing and | probability, and | |  |
|  | |  |  | |  |  | view results | verification | |  |
|  | |  |  | |  |  |  | status. | |  |
| **TC2** | | Verify that an | - | | User is logged | System does | 1. Navigate to | The system | |  |
|  | | applicant cannot |  | | in | not process | **Submit Title** | displays an error: | |  |
|  | | submit an |  | |  | empty | section 2. Leave | **"Title cannot be** | | Passed |
|  | | empty title |  | |  | submissions | the title field | **empty. Please** | |  |
|  | |  |  | |  |  | empty 3. Click | **enter a valid** | |  |
|  | |  |  | |  |  | **Submit** | **title."** | |  |
| **TC3** | | Verify that an | - | | User is logged | The system | 1. Navigate to | The system | |  |
|  | | applicant |  | | in | provides | **Submit Title** | displays rejection | |  |
|  | | receives |  | |  | rejection | section 2. Enter a | feedback with | |  |
|  | | feedback for |  | |  | reasons and | title that does not | modification | |  |
|  | | rejected titles |  | |  | resubmission | meet acceptance | suggestions. | | Passed |
|  | |  |  | |  | options | criteria 3. Click |  | |  |
|  | |  |  | |  |  | **Submit** 4. Wait for |  | |  |
|  | |  |  | |  |  | processing and |  | |  |
|  | |  |  | |  |  | view results |  | |  |
| **TC4** | | Verify that an | - | | User has a | The modified | 1. Navigate to | The system | |  |
|  | | applicant can |  | | rejected title | title is | **Submit Title >** | reprocesses the | |  |
|  | | modify and |  | |  | processed | **View Rejected** | title and updates | |  |
|  | | resubmit a |  | |  | again | **Title** 2. Modify the | the verification | | Passed |
|  | | rejected title |  | |  |  | title based on | results. | |  |
|  | |  |  | |  |  | feedback 3. Click |  | |  |
|  | |  |  | |  |  | **Resubmit** |  | |  |
| **TC5** | | Verify that an | - | | User | User is | 1. Submit a title | The system | |  |
|  | | applicant can |  | | submitted a | redirected to | with a high | redirects the user | | Passed |
|  | | proceed with |  | | title with an | title | acceptance score | to the **Title** | |  |
|  | | title registration |  | | acceptance | registration | 2. Click **Register** | **Registration** | |  |
|  | | if the |  | | score above |  | **Title** | page. | |  |
|  | | acceptance |  | | the threshold |  |  |  | |  |
|  | | score meets the |  | |  |  |  |  | |  |
|  | | threshold |  | |  |  |  |  | |  |

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| **TC6** | Verify that an applicant can flag a rejected title for PRGI official review | - | User has a rejected title | Title is flagged for review | 1. Navigate to **Submit Title > View Rejected Title** 2. Click **Flag for Review** | The system marks the title for PRGI official review and notifies the user. | Failed |

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| **#** | **TS6** |
| **Title** | Verify "View Similarity Score" functionality |
| **Description** | Checks the functionality of “View Similarity Score” page |

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| **#** | **Summary** | **Dependency** | **Pre- condition** | **Post-condition** | **Execution Steps** | **Expected Output** | Actual Output |
| **TC1** | Verify that the system displays the similarity score after title submission | Title submission | A title has been submitted for verification | The system displays the similarity score and similar titles list | 1. Submit a title for verification 2. Wait for processing 3. Navigate to the **Analysis Page** | The system displays the **Similarity Score** and the **Top 50 Similar Titles** list. | Passed |
| **TC2** | Verify that the system displays the top 50 similar titles in descending order | Title submission | A title has been submitted for verification | The list of similar titles is visible | 1. Submit a title for verification 2. Wait for processing 3. Navigate to the **Analysis Page** | The system displays **50 similar titles**, sorted from highest to lowest similarity. | Passed |
| **TC3** | Verify system behavior when no similar titles are found | Title submission | A title has been submitted for verification | A "No Similar Titles Found" message is displayed | 1. Submit a  unique title 2. Wait for processing 3. Navigate to the  **Analysis Page** | The system displays **"No highly similar titles found."** | Failed |

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| **TC4** | Verify that the similarity score is displayed as a percentage | Title submission | A title has been submitted for verification | The similarity score is displayed in percentage format | 1. Submit a title 2. Navigate to   **Analysis Page** | The system displays **Similarity Score: XX%** | Passed |
| **TC5** | Verify that the user can review the similarity score and take further action | Title submission | A title has been submitted for verification | The applicant can decide on the next steps | 1. Submit a title 2. Navigate to   **Analysis Page** 3. Review the similarity score and list | The system allows the applicant to either modify & resubmit or register the title based on the similarity score. | Passed |

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| **#** | **TS7** |
| **Title** | Verify "View Verification probability" functionality |
| **Description** | Checks the functionality of “View Verification probability” page |

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| **#** | **Summary** | **Dependency** | **Pre- condition** | **Post- condition** | **Execution Steps** | **Expected Output** | **Actual output** |
| **TC1** | Verify that the system displays the verification probability after title submission | Title submission | A title has been submitted for verification | The verification probability is displayed on the **Analysis Page** | 1. Submit a title for verification 2. Wait for   processing 3. Navigate to the **Analysis Page** | The system displays the **Verification Probability (%)** alongside the **Similarity Score** | Passed |
| **TC2** | Verify that verification probability does not exceed the complement of the similarity score | Title submission | A title has been submitted and similarity score is calculated | The displayed probability adheres to system constraints | 1. Submit a title 2. Navigate to   **Analysis Page**   1. Check if Verification Probability ≤ (100% -   Similarity Score) | If similarity = 70%, then verification probability is **≤ 30%** | Passed |
| **TC3** | Verify system behavior when | Title submission | A title has been | The verification | 1. Submit a   unique title 2. | The system calculates | Failed |

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|  | no similar titles exist |  | submitted with no similar titles  in the database | probability is calculated based on other factors | Wait for processing 3. Navigate to **Analysis Page** | verification probability based on  uniqueness and system rules |  |
| **TC4** | Verify that the verification probability is displayed in percentage  format | Title submission | A title has been submitted for verification | Verification probability is correctly formatted | 1. Submit a title 2. Navigate to   **Analysis Page** | The system displays **Verification Probability: XX%** | Passed |
| **TC5** | Verify that the applicant can use verification probability to take further action | Title submission | A title has been submitted for verification | The applicant can modify & resubmit or proceed with registration | 1. Submit a title 2. Navigate to   **Analysis Page**   1. Review the verification probability and similarity score | The system allows the applicant to modify & resubmit or register the title based on probability | Passed |

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|  | **#** | | | **TS8** | | | | |  |
| **Title** | | | Verify "View Verification Result" functionality | | | | |
| **Description** | | | Checks the functionality of “View Verification Result ” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre- condition** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual Output** |
| **TC1** | | Verify that the system displays the final verification result after title submission | Title submission & verification process | | The title has been submitted and verification is complete | The verification result is displayed as **Approved** or **Rejected** | 1. Submit a title for verification 2. Wait for processing 3. Navigate to  **Analysis Page** | The system displays **"Approved"** or **"Rejected"** based on verification  probability | | Passed |
| **TC2** | | Verify that an approved title has verification probability greater than acceptance probability | Title submission & verification process | | A title is submitted and verified | Approved titles have verification probability > acceptance probability | 1. Submit a  title 2. Navigate to **Analysis Page**  3. Check approval criteria | If **Verification Probability (VP) >**  **Acceptance Probability (AP)**, then the title is **Approved** | | Passed |

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| **TC3** | Verify that a rejected title has verification probability lower than  acceptance probability | Title submission & verification process | A title is submitted and verified | Rejected titles have verification probability < acceptance probability | 1. Submit a  title 2. Navigate to **Analysis Page**  3. Check rejection criteria | If **Verification Probability (VP) <**  **Acceptance Probability (AP)**, then the title is **Rejected** | Passed |
| **TC4** | Verify system behavior in case of a processing error | Title submission & verification process | The system encounters an error while determining the result | A failure message is displayed, and the user is advised to retry later | 1. Submit a  title 2. Simulate system error 3. Navigate to **Analysis Page** | The system displays **"Verification process failed. Please try again later."** | Failed |
| **TC5** | Verify that verification results are stored for later access | Title submission & verification process | A title is submitted and verified, but the applicant exits the page | The verification result remains accessible in submission history | 1. Submit a title 2. Exit the **Analysis Page** before viewing the result 3. Navigate to  **Submission History** | The system stores and displays the verification result in **Submission History** | Passed |
| **TC6** | Verify that an approved title allows the applicant to proceed with registration | Title submission & verification process | A title is submitted and approved | The system provides an option to **register** the title | 1. Submit a  title 2. Navigate to **Analysis Page**  3. Check if  **Approved** | The system provides a **Register Title** button | Passed |
| **TC7** | Verify that a rejected title allows modification and  resubmission | Title submission & verification process | A title is submitted and rejected | The system provides an option to **modify & resubmit** the  title | 1. Submit a  title 2. Navigate to **Analysis Page**  3. Check if  **Rejected** | The system provides a **Modify & Resubmit** button | Passed |

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|  | **#** | | | **TS9** | | | | |  |
| **Title** | | | Verify "Receive Feedback on Rejected Titles" functionality | | | | |
| **Description** | | | Checks the functionality of “Receive Feedback on Rejected Titles” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre- condition** | **Post-condition** | **Execution Steps** | **Expected Output** | | **Actual Output** |
| **TC1** | | Verify that rejection feedback is displayed when a title is rejected | Title submission & verification process | | A title is submitted and rejected | The system provides rejection feedback | 1. Submit a  title 2. Navigate to **Analysis Page** 3.  Check rejection feedback section | The system displays a rejection message with reasons | | Passed |

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| **TC2** | Verify that no rejection feedback is displayed if the title is approved | Title submission & verification process | A title is submitted and approved | The rejection feedback section is hidden | 1. Submit a   title 2. Navigate to **Analysis Page** | If **Approved**, no rejection feedback is displayed | Passed |
| **TC3** | Verify that feedback includes "High Similarity" as a reason if applicable | Title submission & verification process | A title is rejected due to high similarity with existing titles | "High Similarity Score" appears in rejection feedback | 1. Submit a title that is very similar to an existing one 2. Navigate to **Analysis**   **Page** | The system displays **"Rejected due to high similarity with existing titles."** | Passed |
| **TC4** | Verify that feedback includes "Restricted Words" if applicable | Title submission & verification process | A title is rejected due to use of restricted words | "Use of restricted words" appears in rejection feedback | 1. Submit a title containing restricted words 2. Navigate to **Analysis Page** | The system displays **"Rejected due to the use of restricted words."** | Passed |
| **TC5** | Verify that feedback includes "Non- Unique Combination" if applicable | Title submission & verification process | A title is rejected due to a non- unique combination of existing titles | "Combination of existing titles in a non- unique manner" appears in rejection feedback | 1. Submit a title that combines parts of existing titles 2. Navigate to **Analysis**   **Page** | The system displays **"Rejected due to non-unique title combination."** | Failed |
| **TC6** | Verify system behavior in partial rejection cases | Title submission & verification process | A title has minor issues but is not outright rejected | A warning is displayed instead of full rejection feedback | 1. Submit a title with minor similarity issues 2. Navigate to **Analysis Page** | The system displays **"Warning: Title similarity is high. Consider making modifications."** | Failed |
| **TC7** | Verify that rejected titles allow modification and resubmission | Title submission & verification process | A title is rejected | The system provides an option to **modify & resubmit** the title | 1. Submit a   title 2. Navigate to **Analysis Page** 3.  Check if  **Rejected** | The system provides a **Modify & Resubmit** button | Passed |

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|  | **#** | | | **TS10** | | | | |  |
| **Title** | | | Verify "Modify And Resubmit Title" functionality | | | | |
| **Description** | | | Checks the functionality of “Modify And Resubmit Title” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre-condition** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual Output** |
| **TC1** | | Verify that rejected titles can be modified and resubmitted | Title submission & verification process | | A title is rejected | The modified title is submitted and analyzed again | 1. Submit a title 2. Navigate to   **Analysis Page**   1. Click **Modify and Resubmit** 4. Edit the title 5. Resubmit for   verification | The system processes the modified title and updates the **Analysis Page** | | Passed |
| **TC2** | | Verify that the previous title is pre-filled when modifying | Title submission & verification process | | A title is rejected | The rejected title appears  pre-filled in the input field | 1. Submit a title 2. Navigate to   **Analysis Page**   1. Click **Modify and Resubmit** | The title input field is pre-filled with the previous title | | Failed |
| **TC3** | | Verify system behavior if the applicant cancels modification | Title submission & verification process | | A title is rejected, and the applicant enters the modification screen | No changes are made to the previously rejected title | 1. Submit a title 2. Navigate to   **Analysis Page**   1. Click   **Modify and**  **Resubmit** 4. Click **Cancel** | The system does not submit a new verification request, and the previous title  remains unchanged | | Passed |
| **TC4** | | Verify that the modified title undergoes a new verification process | Title submission & verification process | | A title is rejected, modified, and resubmitted | The new title is processed and analyzed | 1. Submit a title 2. Navigate to   **Analysis Page**   1. Click **Modify and Resubmit** 4. Edit the title 5. Resubmit for verification | The system performs a new verification and updates the **Analysis Page** with the revised results | | Passed |
| **TC5** | | Verify that feedback is | Title submission & | | A title is rejected, | The feedback section | 1. Submit a title 2. Navigate to   **Analysis Page** | The system provides updated feedback based | | Passed |

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|  | updated after resubmission | verification process | modified, and resubmitted | updates based on the new title analysis | 3. Click **Modify and Resubmit** 4. Edit the title 5. Resubmit for verification 6. Check feedback  on **Analysis Page** | on the new submission |  |

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|  | **#** | | | **TS11** | | | | |  |
| **Title** | | | Verify "Register Title" functionality | | | | |
| **Description** | | | Checks the functionality of “Register Title” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre- condition** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual output** |
| **TC1** | | Verify that the "Register Title" button is enabled for approved titles | Title verification process | | A title has been approved | The "Register Title" button is clickable | 1. Submit a title 2. Wait for   verification 3. If approved, check if the **"Register Title"** button is enabled | The button is enabled for approved titles | | Passed |
| **TC2** | | Verify that clicking "Register Title" navigates to the registration  page | Title verification process | | A title has been approved | The system redirects to the registration page | 1. Submit a title 2. Wait for   verification 3. Click **"Register Title"** | The system navigates to the **Registration Page** | | Passed |
| **TC3** | | Verify that the applicant can confirm registration | Title verification process | | A title has been approved, and the applicant is on the registration page | The title is stored in the database with a unique reference ID | 1. Submit a title 2. Wait for   verification 3. Click **"Register Title"** 4.  Review details  5. Click **Confirm Registration** | The system saves the title and assigns a **unique reference ID** | | Passed |

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| **TC4** | Verify that the applicant receives a registration confirmation | Title verification process | A title has been successfully registered | A  confirmation receipt is generated | 1. Submit a title 2. Wait for   verification 3. Click **"Register Title"** 4. Click **Confirm Registration** | A  **confirmation message** and **registration receipt** are displayed | Failed |
| **TC5** | Verify system behavior if the applicant cancels registration | Title verification process | A title has been approved, and the applicant enters the registration page | The title remains **approved but unregistered** | 1. Submit a title 2. Wait for   verification 3. Click **"Register Title"** 4. Click **Cancel Registration** | The title remains **approved** but not stored | Passed |

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|  | **#** | | | **TS12** | | | | |  |
| **Title** | | | Verify "Track Submission History" functionality | | | | |
| **Description** | | | Checks the functionality of “Track Submission History” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre- condition** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual Output** | |
| **TC1** | | Verify that the system displays a list of past title submissions | At least one title has been submitted | | The user has submitted at least one title | The submission history is displayed | 1. Log in 2. Navigate to **Track Submission History** | The system displays a **list of past submissions** | | Passed | |
| **TC2** | | Verify that the user can select a title  and view its details | Track Submission History is accessible | | At least one title exists in  submission history | The system opens the analysis  page for the selected title | 1. Log in 2. Navigate to **Track Submission History** 3. Click on a title | The system displays **Analysis**  **Page** of the selected title | | Failed |
| **TC3** | | Verify that the user can filter submissions | Track Submission History is accessible | | At least one title exists in submission history | Filtered results are displayed | 1. Log in 2. Navigate to **Track Submission History** 3. Apply a filter (date, status, similarity score) | The system filters the **submission list** | | Failed | |

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| **TC4** | Verify that the user can sort submissions | Track Submission History is accessible | At least one title exists in submission history | Sorted results are displayed | 1. Log in 2. Navigate to **Track Submission History** 3. Apply sorting (ascending/descending  order by date, similarity score, etc.) | The system sorts the **submission list** | Failed |
| **TC5** | Verify that the user can delete an entry from submission history | Deletion option is available | At least one title exists in submission history | The selected entry is removed from history | 1. Log in 2. Navigate to **Track Submission History** 3. Select a title and click **Delete** 4. Confirm deletion | The entry is **removed from history** (if permitted) | Failed |
| **TC6** | Verify system behavior when there is no  submission history | Track Submission History is accessible | No past submissions exist | A "No  submissions found" message is displayed | 1. Log in 2. Navigate to **Track Submission History** | The system displays **"No submissions found."** | Passed |

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|  | **#** | | | **TS13** | | | | |  |
| **Title** | | | Verify "Search And View Existing Title" functionality | | | | |
| **Description** | | | Checks the functionality of “Search And View Existing Title” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre- condition** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual output** |
| **TC1** | | Verify that the system displays a list of all existing titles | User is logged in | | Titles exist in the database | A list of existing titles is displayed | 1. Log in 2. Navigate to **Search and View Existing Titles** | The system displays a **list of existing titles** | | Passed |
| **TC2** | | Verify that the user can search for a specific title | Titles exist in the database | | User enters a valid search keyword | The system filters results dynamically | 1. Log in 2. Navigate to **Search and View Existing Titles** 3. Enter a keyword in the  search bar | The system displays **filtered results** matching the  keyword | | Failed |
| **TC3** | | Verify that the user can apply sorting options | Titles exist in the database | | Sorting option is selected | The system updates the list based on sorting criteria | 1. Log in 2. Navigate to **Search and View Existing Titles** 3. Select sorting option (Alphabetical,  Popularity, Date) | The system **sorts the titles accordingly** | | Failed |

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| **TC4** | Verify that the user can apply filtering options | Titles exist in the database | Filtering option is selected | The system updates the list based on filters | 1. Log in 2. Navigate to **Search and View Existing Titles** 3. Apply a filter (Category,  Similarity %, Approval Status) | The system **filters the titles accordingly** | Failed |
| **TC5** | Verify that the user can view the details of a selected title | Search or filter results exist | User selects a title from the list | The system displays the title details | 1. Log in 2. Navigate to **Search and View Existing Titles** 3. Select a title from the list | The system displays **detailed information about the title** | Failed |
| **TC6** | Verify system behavior when no matching titles are  found | User performs a search | Search criteria do not match any title | The system notifies the user | 1. Log in 2. Navigate to **Search and View Existing Titles** 3. Enter a keyword that does not match any title | The system displays **"No matching titles found"** | Failed |

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|  | **#** | | | **TS14** | | | | |  |
| **Title** | | | Verify "Manage Disallowed Words" functionality | | | | |
| **Description** | | | Checks the functionality of “Manage Disallowed Words” page | | | | |
| **#** | | **Summar y** | **Dependency** | | **Pre- conditio n** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual Output** |
| **TC1** | | Verify that PRGI officials can access the "Manage Disallowe d Words"  page | PRGI Official logged in | | PRGI  official must be logged in | The "Manage Disallowe d Words" page is displayed | 1. Log in as PRGI Official 2. Navigate to **Manage Disallowed Words** | The system **displays the disallowe d words list** | | Passed |
| **TC2** | | Verify that an official can add a new disallowed word | PRGI Official on **Manage Disallowed Words** page | | Official clicks "Add New" | The word is added to the list | 1. Click "Add New" 2. Enter a word and reason 3. Select a category 4. Confirm to save | The system **adds the word to the list** | | Passed |

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| **TC3** | Verify that an official cannot add a duplicate word | PRGI Official attempts to add a word | The word already exists in the list | The system prevents duplicatio n | 1. Click "Add New" 2. Enter an existing word  3. Submit | The system **displays an error message** | Failed |
| **TC4** | Verify that an official can modify an existing  word | PRGI Official on **Manage Disallowed Words** page | Official selects a word | The word’s details are updated | 1. Select a word 2. Edit reason or category 3. Save changes | The system **updates the word details** | Passed |
| **TC5** | Verify that an official can delete a word | PRGI Official on **Manage Disallowed Words** page | Official selects a word | The word is removed from the list | 1. Select a word 2.  Click "Delete" 3. Confirm deletion | The system **removes the word from the list** | Passed |
| **TC6** | Verify that an official can search for a specific  word | PRGI Official on **Manage Disallowed Words** page | Official enters a keyword in the search bar | The system filters the list based on the search  input | 1. Enter a word in the search bar 2. Press Enter | The system **displays relevant search results** | Failed |
| **TC7** | Verify that an official can sort the disallowe d words list | PRGI Official on **Manage Disallowed Words** page | Official selects a sorting option | The words list is sorted accordingl y | 1. Click on a column header (e.g., **Date Added**) 2. Observe the list order | The system **sorts the words list** | Failed |
| **TC8** | Verify that an official can filter disallowe  d words | PRGI Official on **Manage Disallowed Words** page | Official selects a category filter | The list updates to show filtered results | 1. Click on the filter dropdown 2. Select a category 3. Apply filter | The system **displays words matching**  **the filter** | Failed |
| **TC9** | Verify that an official can undo a deletion | PRGI Official deletes a word | Official selects "Undo" | The word is restored to the list | 1. Delete a word 2. Click "Undo" within the allowed time | The system **restores the deleted word** | Failed |
| **TC1 0** | Verify that an official can cancel an action | PRGI Official is adding/modifying/delet ing a word | Official clicks "Cancel" instead of submittin  g changes | No changes are saved | 1. Start adding/modifying/delet ing a word 2. Click "Cancel" | The system **discards the changes** | Failed |

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|  | **#** | | | **TS15** | | | | |  |
| **Title** | | | Verify "Manage Disallowed Affixes" functionality | | | | |
| **Description** | | | Checks the functionality of “Manage Disallowed Affixes” page | | | | |
| **#** | | **Summar y** | **Dependency** | | **Pre-**  **conditio n** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual Output** |
| **TC1** | | Verify that PRGI officials can access the "Manage Disallowe d Affixes" page | PRGI Official logged in | | PRGI  official must be logged in | The "Manage Disallowe d Affixes" page is displayed | 1. Log in as PRGI Official 2. Navigate to **Manage Disallowed Affixes** | The system **displays the list of disallowe d affixes** | | Passed |
| **TC2** | | Verify that an official can add a new disallowe  d affix | PRGI Official on **Manage Disallowed Affixes** page | | Official clicks "Add New" | The affix is added to the list | 1. Click "Add New" 2. Select **Prefix** or **Suffix**  3. Enter the affix and reason 4. Select a category 5. Confirm to save | The system **adds the affix to the list** | | passed |
| **TC3** | | Verify that an official cannot add a duplicate affix | PRGI Official attempts to add an affix | | The affix already exists in the list | The system prevents duplicatio n | 1. Click "Add New" 2. Enter an existing affix  3. Submit | The system **displays an error message** | | Failed |
| **TC4** | | Verify that an official can modify an existing  affix | PRGI Official on **Manage Disallowed Affixes** page | | Official selects an affix | The affix details are updated | 1. Select an affix 2. Edit reason or category  3. Save changes | The system **updates the affix details** | | Passed |
| **TC5** | | Verify that an official can delete an affix | PRGI Official on **Manage Disallowed Affixes** page | | Official selects an affix | The affix is removed from the list | 1. Select an affix 2.  Click "Delete" 3. Confirm deletion | The system **removes the affix from the list** | | Passed |

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| **TC6** | Verify that an official can search for a specific affix | PRGI Official on **Manage Disallowed Affixes** page | Official enters a keyword in the search bar | The system filters the list based on the search input | 1. Enter an affix in the search bar 2. Press Enter | The system **displays relevant search results** | Failed |
| **TC7** | Verify that an official can sort the disallowe d affixes  list | PRGI Official on **Manage Disallowed Affixes** page | Official selects a sorting option | The affixes list is sorted accordingl y | 1. Click on a column header (e.g., **Date Added**) 2. Observe the list order | The system **sorts the affixes list** | Failed |
| **TC8** | Verify that an official can filter disallowe d affixes | PRGI Official on **Manage Disallowed Affixes** page | Official selects a filter | The list updates to show filtered results | 1. Click on the filter dropdown 2. Select a type/category/date range 3. Apply filter | The system **displays affixes matching the filter** | Failed |
| **TC9** | Verify that an official can undo a deletion | PRGI Official deletes an affix | Official selects "Undo" | The affix is restored to the list | 1. Delete an affix 2. Click "Undo" within the allowed time | The system **restores the**  **deleted affix** | Failed |
| **TC1 0** | Verify that an official can cancel an action | PRGI Official is adding/modifying/delet ing an affix | Official clicks "Cancel" instead of submittin g changes | No changes are saved | 1. Start adding/modifying/delet ing an affix 2. Click "Cancel" | The system **discards the changes** | Failed |

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|  | **#** | | | **TS16** | | | | |  |
| **Title** | | | Verify "Set/Modify Acceptance Probability " functionality | | | | |
| **Description** | | | Checks the functionality of “Set/Modify Acceptance Probability” page | | | | |
| **#** | | **Summary** | **Dependency** | | **Pre- condition** | **Post- condition** | **Execution Steps** | **Expected Output** | | **Actual Output** |
| **TC1** | | Verify PRGI officials can access the "Set/Modify | PRGI Official logged in | | PRGI official must have the required permissions | The page is displayed with current | 1. Log in as PRGI Official 2. Navigate to   **Set/Modify** | The system **displays the probability settings** | | Passed |

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|  | Acceptance Probability" page |  |  | probability settings | **Acceptance Probability** |  |  |
| **TC2** | Verify that an official can set an initial acceptance probability | PRGI Official on **Set/Modify Acceptance Probability** page | No probability value exists | The probability is saved in the system | 1. Click "Set  Probability" 2. Enter a value (e.g., **30%**) 3.  Provide a reason (optional) 4. Confirm | The system **saves the probability and logs the change** | Passed |
| **TC3** | Verify that an official can modify an existing acceptance probability | PRGI Official on **Set/Modify Acceptance Probability** page | A probability value is already set | The probability is updated in the system | 1. Click  "Modify" 2. Enter a new probability value (e.g., **40%**) 3.  Provide a reason 4. Confirm | The system **updates and logs the new probability** | Passed |
| **TC4** | Verify that an official cannot enter an invalid probability value | PRGI Official entering a probability value | Official enters a value **greater than 100%** | The system rejects the input | 1. Click  "Modify" 2.  Enter **110%** 3. Click Save | The system **displays an error message** | Failed |
| **TC5** | Verify that modification restrictions apply (e.g., one change  per day) | PRGI Official modifies probability | Official tries to modify again within restricted time | The system prevents modification | 1. Modify  probability 2. Try modifying again within the restricted  period | The system **displays a restriction message** | Failed |
| **TC6** | Verify that modification requires confirmation before saving | PRGI Official on **Set/Modify Acceptance Probability** page | Official initiates a modification | The system prompts for confirmation before saving | 1. Click  "Modify" 2. Enter a new value 3. Click Save | The system **asks for confirmation before applying changes** | Failed |
| **TC7** | Verify that an official can cancel an action before saving  changes | PRGI Official editing probability | Official clicks "Cancel" instead of saving | No changes are applied | 1. Click  "Modify" 2. Enter a new probability value 3. Click  "Cancel" | The system **discards the changes** | Passed |

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| **TC8** | Verify access control for modifying acceptance probability | PRGI Official with **insufficient permissions** attempts modification | User lacks permission | The system prevents access | 1. Log in as a **non- authorized user** 2. Navigate to the page 3. Attempt modification | The system **denies access and displays an error** | Failed |

End