**TEST CASES**

**1. USER ACCESS & MANAGEMENT SUBSYSTEM:**

**1.1. Sign Up**

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| **#** | TS1 |
| **Title** | Verify "Sign up" functionality |
| **Description** | To test the different scenarios that might arise while a user is trying to signup |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Successful sign-up for Title Applicant | – | Valid user info provided | Account created; verification email sent | 1. Navigate to Sign-Up 2. Select "Title Applicant" 3. Fill valid details 4. Submit | Message: “Check your email to verify your account” | Passed |
| TC2 | Successful sign-up for PRGI Official | – | Valid official info provided | Account created; awaits admin approval | 1. Select "PRGI Official" 2. Enter valid details 3. Submit | Message: “Account pending admin verification” | Passed |
| TC3 | Email already exists | – | Email registered earlier | Submission blocked | 1. Enter duplicate email 2. Submit | Error: “Email already registered” | Passed |
| TC4 | Username already exists | – | Username already in use | Submission blocked | 1. Enter duplicate username 2. Submit | Error: “Username already taken” | Passed |
| TC5 | Invalid email format | – | Email is malformed | Submission blocked | 1. Enter "user@@mail" 2. Submit | Error: “Invalid email format” | Passed |
| TC6 | Username too short or contains invalid characters | – | Username violates rules | Submission blocked | 1. Enter “ab” or “user!@#” 2. Submit | Error: “Invalid username format” | Passed |
| TC7 | Weak password input | – | Password doesn’t meet criteria | Submission blocked | 1. Enter weak password like “abc123” 2. Submit | Error: “Password must include uppercase, lowercase, number, and special character” | Passed |
| TC8 | Password and confirm password mismatch | – | Passwords do not match | Submission blocked | 1. Enter mismatched values 2. Submit | Error: “Passwords do not match” | Passed |
| TC9 | Submit with all valid input then abandon verification | – | Verification email not clicked | Account remains inactive | 1. Complete sign-up 2. Do not verify email | Email not verified; account pending /inactive | Passed |
| TC10 | Resend email verification link | TC9 | Account inactive due to email not verified | Link resent | 1. Click “Resend Verification” 2. Confirm action | Message: “Verification email sent again” | Passed |
| TC11 | Verification link expired | TC9 | 24 hours passed without clicking link | Verification fails | 1. Wait 24 hours 2. Click email link | Message: “Link expired. Request new verification email” | Passed |
| TC12 | Registration abandoned mid-way | – | Form not submitted | No account created | 1. Enter partial data 2. Close tab | No record saved in database | Passed |
| TC13 | Email verification successful (for title applicant) | TC1 | Email is verified | User is authenticated | 1. Click “sign up” button 2. Email verification sent 3. Verify email | User is redirected to their dashboard | Passed |
| TC14 | Admin verification successful (for official signups) | TC2 | Admin approved the official signup request | Admin is authenticated and granted permissions for modifying the system | 1. Click “sign up” button 2. Request sent to admin 3. Admin verifies the signup | Official is redirected to their dashboard | Passed |

**1.2. Log In**

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| **#** | TS2 |
| **Title** | Verify "Log In" functionality |
| **Description** | To test the different scenarios that might arise while a user is trying to login |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Successful login for Title Applicant | – | User account is verified and active | Redirected to applicant dashboard | 1. Navigate to login page 2. Select "Title Applicant" 3. Enter valid credentials 4. Click Login | Dashboard loaded; session logged | Passed |
| TC2 | Successful login for PRGI Official | – | Official account is admin-approved | Redirected to official dashboard | 1. Select "PRGI Official" 2. Enter valid credentials 3. Submit | Dashboard loaded; session logged | Passed |
| TC3 | Successful login for System Admin | – | Admin account exists | Redirected to admin dashboard | 1. Select "System Administrator" 2. Enter credentials 3. Login | Admin panel opened | Passed |
| TC4 | Incorrect password attempt | – | User account exists | Login blocked | 1. Enter valid username and wrong password | Error: “Invalid username or password” | Passed |
| TC5 | Incorrect username attempt | – | No such account | Login blocked | 1. Enter incorrect username 2. Click Login | Error message shown | Passed |
| TC6 | Login without email verification | – | Email not verified | Access denied | 1. Use unverified user credentials 2. Login | Message: “Email verification required” | Passed |
| TC7 | Login before admin approval (PRGI Official) | – | Official signup not yet approved | Login blocked | 1. Use official credentials before approval | Message: “Admin verification pending” | Passed |
| TC8 | Login to a suspended account | – | Account is deactivated | Access denied | 1. Try logging into a suspended account | Message: “Your account has been suspended” | Passed |
| TC9 | Forgot password – valid email | – | Email exists in system | Reset link sent | 1. Click “Forgot Password?” 2. Enter valid email | Message: “Reset link sent to your email” | Passed |
| TC10 | Forgot password – invalid email | – | Email not in system | Reset blocked | 1. Click “Forgot Password?” 2. Enter invalid email | Error: “Email not found” | Passed |
| TC11 | Reset password and login successfully | TC9 | Reset process completed | User can access account | 1. Open reset email 2. Set new password 3. Login | Dashboard accessed with new credentials | Passed |
| TC12 | Navigate away before login | – | User doesn’t submit form | No login recorded | 1. Open login page 2. Leave without entering credentials | No action taken | Passed |
| TC13 | Login with uppercase /lowercase mismatch in password | – | Correct password is case-sensitive | Login fails | 1. Enter correct username and wrong case password | Error: “Invalid password” | Passed |
| TC14 | Login using username instead of email | – | Username is valid | Login successful | 1. Enter username and password instead of email | Redirected to dashboard | Passed |
| TC15 | Login using email instead of username | – | Email is valid | Login successful | 1. Enter email and password instead of username | Login works as expected | Passed |

**1.3. Manage Account Settings**

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| **#** | TS3 |
| **Title** | Verify "Manage Account Settings" functionality |
| **Description** | To test the different scenarios that might arise while a user is trying to manage their account settings |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Access account settings section | – | User is logged in | Settings page displayed | 1. Navigate to "Settings" | Settings categories (Account, Notifications) shown | Passed |
| TC2 | Update username successfully | – | Valid new username entered | Username updated | 1. Go to Account Settings 2. Change username 3. Save | Success: “Username updated successfully” | Passed |
| TC3 | Username already exists | – | Username already in use | Change blocked | 1. Enter duplicate username 2. Save | Error: “Username already taken” | Passed |
| TC4 | Username too short or contains invalid characters | – | Username violates rules | Change blocked | 1. Enter “ab” or “user!@#” 2. Save | Error: “Invalid username format” | Passed |
| TC5 | Update email with valid format | – | New email is valid and unique | Email updated | 1. Enter new valid email 2. Click Save | Confirmation message shown | Passed |
| TC6 | Update email with invalid format | – | Incorrect format used | Change blocked | 1. Enter “user@@mail” 2. Submit | Error: “Invalid email format” | Passed |
| TC7 | Update email to one already in use | – | Email already exists | Change blocked | 1. Enter registered email 2. Click Save | Error: “Email already in use” | Passed |
| TC8 | Change password with valid criteria | – | New password meets all conditions | Password updated | 1. Enter current password 2. Set new password with proper format 3. Confirm change | Message: “Password changed successfully” | Passed |
| TC9 | Change password with weak format | – | New password does not meet policy | Submission blocked | 1. Set password as “abc123” 2. Submit | Error: “Password too weak” | Passed |
| TC10 | Password and confirm password mismatch | – | Fields do not match | Update blocked | 1. Enter different values in both fields 2. Submit | Error: “Passwords do not match” | Passed |
| TC11 | Update notification preferences | – | Preferences selected | Notification settings saved | 1. Select /deselect notification checkboxes 2. Save | “Notification preferences updated” message shown | Passed |
| TC12 | Cancel changes before saving | – | Changes made but not saved | No changes applied | 1. Modify any setting 2. Click “Cancel” | Fields revert to original state | Passed |
| TC13 | Submit empty fields | – | All fields cleared | Submission blocked | 1. Clear all input fields 2. Click Save | Error: “Fields cannot be empty” | Passed |
| TC14 | Log out through account settings | – | User is logged in | Session terminated | 1. Click “Log out” from settings | Redirected to login page | Passed |
| TC15 | View changes reflected after update | TC2–TC11 | Setting successfully changed | Changes applied throughout system | 1. Modify name /email /password 2. Revisit profile | Updated info displayed correctly | Passed |
| TC16 | Attempt to access settings without login | – | User is not authenticated | Redirected to login | 1. Try accessing settings URL directly | System redirects to login page | Passed |

**1.4. Approve/Reject Official Accounts**

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| **#** | TS4 |
| **Title** | Verify "Approve/Reject Official Accounts" functionality |
| **Description** | To test the different scenarios that might arise while the admin is trying to approve or reject official signup requests |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View list of pending official signup requests | – | PRGI official requests exist | List is displayed | 1. Log in as admin 2. Navigate to Official Signup Requests | All pending requests are listed with user info | Passed |
| TC2 | Approve a valid official request | – | Signup details are complete and authentic | Official is approved and can log in | 1. Select a request 2. Review details 3. Click “Approve” | Message: “Request accepted” | Account created | Passed |
| TC3 | Reject an invalid official request | – | Signup info is incomplete or invalid | Request is discarded | 1. Select a request 2. Click “Reject” 3. Confirm rejection | Message: “Request rejected” | No account created | Passed |
| TC4 | Hold a request due to insufficient info | – | Details are incomplete | Request remains in pending state | 1. Neither “Accept” nor “Reject” | Request stays visible in pending list | Passed |
| TC5 | View official signup details before approval | – | Request is in list | Full profile shown | 1. Click on a request row | Signup form data shown in detail | Passed |
| TC6 | Attempt to approve without being logged in | – | Admin not authenticated | Access denied | 1. Open approval URL directly without logging in | Redirected to login page | Passed |
| TC7 | Official waiting in signup page is taken to their dashboard | TC2 | Official is waiting in the signup page and admin approves | Directly taken to the dashboard | 1. Official waits in signup page 2. Admin verifies | Official is redirected to their dashboard | Passed |
| TC8 | Approved official can login | TC2 | Official left signup page midway and admin approves | Login successful | 1. Approve request 2. Official logs in | Official is redirected to their dashboard | Passed |
| TC9 | Rejected official cannot log in | TC3 | Request denied earlier | Login blocked | 1. Try to log in with rejected credentials | Error: “Account does not exist or not approved” | Passed |

**1.5. Manage User Accounts**

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| **#** | TS5 |
| **Title** | Verify "Manage User Accounts" functionality |
| **Description** | To test the different scenarios that might arise while the admin is trying to manage general user accounts |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View list of all registered users | – | Admin is logged in | User list displayed | 1. Go to “User Management” section | List of users with roles and activity history shown | Passed |
| TC2 | Freeze a user account | – | User exists and is active | Account access restricted | 1. Select a user 2. Click “Freeze” 3. Confirm action | Message: “Account has been frozen” | Passed |
| TC3 | Delete a user account permanently | – | User exists | Account removed | 1. Select user 2. Click “Delete” 3. Confirm deletion | Message: “User deleted successfully” | Passed |
| TC4 | View submission / approval history per user | – | User has past activity | History shown in detail | 1. Click on a specific user row | Display verification /registration history | Passed |
| TC5 | Revert a frozen account to active status | TC2 | User account is frozen | Access restored | 1. Select frozen user 2. Click “Unfreeze” | Account status: “Active” again | Passed |
| TC6 | Manage account from search result | – | User searched by name /email | Actions still allowed | 1. Use search bar 2. Select user 3. Perform action | Freeze/delete available as normal | Passed |
| TC7 | Filter users by role (Applicant /Official) | – | Multiple user roles exist | Filtered list shown | 1. Select role filter | Only users of selected role appear | Passed |
| TC8 | Sort users by registration date | – | Multiple users in list | Ordered by date | 1. Click “Sort by Date” | List reorders chronologically | Passed |
| TC9 | Attempt to access management without admin login | – | Not authenticated | Access denied | 1. Open URL for user management 2. Not logged in | Redirected to login | Passed |

**2. TITLE PROCESSING & MANAGEMENT SUBSYSTEM:**

**2.1. Submit Title for Verification**

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| **#** | TS6 |
| **Title** | Verify "Submit Title for Verification" functionality |
| **Description** | To test the different scenarios that might arise while a title applicant is trying to submit a title for verification |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Submit a valid title for verification | – | User is logged in with access to dashboard | Title processed and user redirected to analysis page | 1. Log in 2. Enter valid title (e.g., "India Today Bulletin") 3. Click Submit | Redirect to Title Analysis Page | Passed |
| TC2 | Submit a title with leading /trailing spaces | – | User is logged in | Title trimmed and submitted correctly | 1. Enter “ India Times ” 2. Submit | System trims whitespace and processes normally | Passed |
| TC3 | Submit empty title | – | User is logged in | Submission blocked | 1. Leave title field blank 2. Submit | Error: “Title cannot be empty” | Passed |
| TC4 | Submit title with only spaces | – | User is logged in | Submission blocked | 1. Enter " " (only spaces) 2. Submit | Error: “Title cannot be empty” | Passed |
| TC5 | Submit title with only numbers | – | User is logged in | Submission rejected | 1. Enter “123456” 2. Submit | Error: “Invalid title format” | Passed |
| TC6 | Submit title with special characters only | – | User is logged in | Submission rejected | 1. Enter “@#%&\*!” 2. Submit | Error: “Invalid title format” | Passed |
| TC7 | Submit a very long title (exceeding limit) | – | User is logged in | Submission rejected | 1. Enter a title over 100 characters 2. Submit | Error: “Title too long. Limit: 100 characters.” | Passed |
| TC8 | Submit a title with mixed casing | – | User is logged in | Title accepted and normalized | 1. Enter “tHe NatIonAl PosT” 2. Submit | System processes normally, case preserved or normalized | Passed |
| TC9 | Submit with special characters or numbers in between | – | User is logged in | Submission approved | 1. Enter “India@News#Today2” 2. Submit | Redirect to Title Analysis Page | Passed |
| TC10 | Submit title when not logged in | – | User is not logged in | User denied access | 1. Try to access dashboard directly 2. Attempt to submit title | Redirected to login page | Passed |
| TC11 | Refresh page after typing title (before submit) | – | User is logged in | Title input cleared, nothing processed | 1. Enter a title 2. Refresh browser before clicking submit | Page reloads with empty field; no processing triggered | Passed |
| TC12 | Submit title, then navigate away mid-processing | – | User is logged in | Process may be interrupted or requeued | 1. Enter title 2. Submit 3. Navigate away before loading finishes | System handles gracefully or reprocesses on next visit | Passed |
| TC13 | Submit previously accepted title | – | User is logged in | System notifies about previous trial | 1. Enter a previously accepted title 2. Submit | System provides proper message and doesn’t undertake a fresh analysis | Passed |
| TC14 | Submit previously rejected title | – | User is logged in | System accepts for fresh analysis | 1. Enter a previously rejected title 2. Submit | Redirect to analysis page for new result | Passed |
| TC15 | Submit title with valid multilingual characters | – | User is logged in | Title accepted if format is valid | 1. Enter title like “प्रति दिन समाचार” 2. Submit | System accepts and processes multilingual title | Passed |
| TC16 | A valid submission is stored in history | TC1 | The submitted title is valid | The submission is stored in history | 1. Access submission history page 2. Look at the list of title verifications | The title is stored in the verification history for later access | Passed |

**2.2. View Title Analysis and Result**

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| **#** | TS7 |
| **Title** | Verify "View Title Analysis and Result" functionality |
| **Description** | To test the different scenarios that might arise while a title applicant is trying to view the analysis page and verification result for a title |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View analysis for a newly submitted valid title | TS6 | Title has been submitted successfully | Analysis page with all sections displayed | 1. Submit a valid title 2. System redirects to Analysis Page | List of similar titles, similarity score, verification probability, result shown | Passed |
| TC2 | View analysis with high similarity score | – | Title matches existing titles closely | System shows rejection with feedback | 1. Submit a similar title 2. Access analysis page | Rejected due to high similarity with feedback | Passed |
| TC3 | Title with phonetic similarity with existing ones | – | Title has phonetic similarity | Similarity calculation considers phonetics | 1. Submit a title with phonetic similarity | Similarity score is calculated accordingly | Passed |
| TC4 | Title with spelling similarity with existing ones | – | Title has spelling similarity | Similarity calculation considers spelling | 1. Submit a title with spelling similarity | Similarity score is calculated accordingly | Passed |
| TC5 | Title with semantic similarity with existing ones | – | Title has semantic similarity | Similarity calculation considers semantics | 1. Submit a title with semantic similarity | Similarity score is calculated accordingly | Passed |
| TC6 | Title is a combination of existing ones | – | Title combines of 2 existing titles | Title is rejected | 1. Submit a title which is a combination of 2 existing titles | Title is rejected with a feedback | Passed |
| TC7 | View analysis with usage of restricted word | – | Submitted title includes disallowed term | System shows rejection with relevant feedback | 1. Submit a title like “CBI News Weekly” 2. Open analysis | Rejected with message: “Restricted word: CBI” | Passed |
| TC8 | Verification probability calculated from similarity | – | Title has moderate similarity | Probability shown based on formula | 1. Submit title 2. View analysis page | Verification probability = 100 - similarity | Passed |
| TC9 | View analysis with acceptable probability score | – | Title is sufficiently unique | System shows acceptance | 1. Submit valid title with high probability 2. Access analysis | Accepted; option to register shown | Passed |
| TC10 | Feedback displayed for rejected title | – | Title is rejected | Rejection reason shown clearly | 1. Submit problematic title 2. View feedback section | Feedback: “Too similar to 'Daily India News'” | Passed |
| TC11 | Modify and resubmit from analysis page | – | Title is rejected | System allows editing and resubmission | 1. View rejected title 2. Click “Modify and Resubmit” 3. Enter new version | Redirected to resubmission flow | Passed |
| TC12 | Register title from analysis page | – | Title is accepted | System redirects to registration form | 1. Submit accepted title 2. Click “Register Title” | Registration form displayed | Passed |
| TC13 | Leave analysis without registering accepted title | – | Title is accepted | Title saved for future registration | 1. Submit valid title 2. Leave analysis page | Title marked in history as “Accepted – Not Registered” | Passed |
| TC14 | Access analysis of previously submitted title | – | Title is in user history | Analysis data retrievable from history | 1. Open history page 2. Select a submitted title | Redirect to corresponding analysis page | Passed |
| TC15 | Register from history for accepted title | – | Title was accepted previously but not registered | System allows late registration | 1. Open history 2. Click on accepted title 3. Click “Register” | Redirects to title registration form | Passed |
| TC16 | Title rejected for both similarity and restriction | – | Title fails on both criteria | Multiple feedback messages shown | 1. Submit “CBI India Daily” 2. View analysis | Rejected; Feedback: “Too similar” and “Restricted word” | Passed |
| TC17 | Analysis data includes empty similarity list | – | Title has no significant match | Similarity list is empty, title likely accepted | 1. Submit very unique title 2. View analysis | “No major matches found”; Accepted | Passed |
| TC18 | System handles analysis page reload | – | Analysis page refreshed | Results persist or reload cleanly | 1. View analysis 2. Refresh browser | Page reloads with same title data | Passed |
| TC19 | Attempt to access analysis without submitting title | – | No title submission | Access is denied | 1. Directly enter analysis page URL without submission | Redirected to dashboard or error page | Passed |

**2.3. Register Title**

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| **#** | TS8 |
| **Title** | Verify "Register Title" functionality |
| **Description** | To test the different scenarios that might arise while a title applicant is trying to register a title |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Register an approved title successfully | TS7 | Title is accepted and not registered | Title form submitted and status set to “Pending” | 1. View analysis page 2. Click “Register Title” 3. Fill registration form 4. Submit | Confirmation: “Your registration is under review” | Passed |
| TC2 | Access registration form from history | – | Title is accepted but not registered | Access form via history page | 1. Go to Submission History 2. Click accepted title 3. Click “Register Title” | Redirect to registration form | Passed |
| TC3 | Submit incomplete registration form | – | Form is open | Form submission blocked | 1. Leave mandatory fields empty 2. Click Submit | Error: “Please fill out all required fields” | Passed |
| TC4 | Register title with invalid data formats | – | User is on form | Validation fails | 1. Enter incorrect formats (e.g., number in name field) 2. Submit | Error: “Invalid input format” | Passed |
| TC5 | Cancel registration mid-process | – | Form open or registration submitted | Registration not created or saved as unsubmitted | 1. Open form 2. Click “Cancel” or close page | Returned to dashboard; title stays “Accepted – Not Registered” | Passed |
| TC6 | View status after registration submission | TC1 | Registration is submitted | Status shown as “Pending” | 1. Go to Submission History 2. View registration status | Title marked as “Registration Pending” | Passed |
| TC7 | View final registration approval | – | Official has approved registration | Title marked as “Registered” | 1. Wait for approval 2. Open history | Status: “Registered” and notification received | Passed |
| TC8 | Try to register an already registered title | – | Title already registered | Access denied or button disabled | 1. Open analysis or history 2. Attempt re-registration | Message: “Title already registered” | Passed |
| TC9 | Submit form with special characters in restricted fields | – | Special characters in restricted fields | Submission blocked | 1. Enter “John@Doe” in owner name field 2. Submit | Error: “Special characters not allowed” | Passed |
| TC10 | Skip optional fields and register | – | Optional fields left empty | Title registered if required fields filled | 1. Fill only required fields 2. Submit | Registration proceeds; success message shown | Passed |
| TC11 | Resubmit after initial registration cancel | TC5 | User cancelled registration earlier | Form re-accessible, new attempt possible | 1. Open title from history 2. Click “Register Title” 3. Resubmit form | Form submitted; status “Pending” | Passed |
| TC12 | Receive notification after approval | TC1, TC7 | Title approved by PRGI Official | Notification shown | 1. Wait for official approval 2. Login to view updates | Notification: “Your title has been registered successfully” | Passed |
| TC13 | Attempt registration without title approval | – | Title is not yet accepted | Access denied | 1. Submit unverified title 2. Try to access register button | Message: “Title not yet approved for registration” | Passed |

**2.4. Approve/Reject Title Registrations**

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| **#** | TS9 |
| **Title** | Verify "Approve/Reject Title Registration" functionality |
| **Description** | To test the different scenarios that might arise while an official is trying to approve or reject a title registration request |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Approve a valid registration request | TS8 | Valid registration form is submitted | Title marked as “Registered”; added to official records | 1. Official logs in 2. Opens Registration Requests 3. Reviews form 4. Confirms external verification 5. Clicks Approve | Title status: “Registered”; Notification sent to applicant | Passed |
| TC2 | Reject an invalid or incomplete registration | – | Form exists but is legally non-compliant | Request removed; applicant notified | 1. Open Registration Requests 2. Identify discrepancies 3. Click Reject | Title removed from pending list; “Rejected” notice sent | Passed |
| TC3 | Postpone action for incomplete external verification | – | External legal steps not completed | Status remains “Pending” | 1. Open request 2. Decide to wait 3. Take no action | Title remains in pending list | Passed |
| TC4 | View pending registration requests list | – | Official is logged in | All pending titles listed | 1. Navigate to Registration Requests section | Display list of unprocessed registration forms | Passed |
| TC5 | View full registration form details | – | Request is selected | All user-submitted data shown | 1. Select a pending title 2. Open full form | Title and applicant data shown in detail | Passed |
| TC6 | Title becomes public after approval | TC1 | Title is registered | Visible in “Existing Titles” section | 1. Approve registration 2. Go to Existing Titles | Newly registered title appears | Passed |
| TC7 | Official receives confirmation of approval action | TC1 | Registration approved | Acknowledgment shown to official | 1. Approve title 2. Complete action | Message: “Title registered successfully” shown | Passed |
| TC8 | Applicant receives notification after decision | TC1, TC2 | Request is approved or rejected | Message sent to applicant’s dashboard | 1. Submit registration 2. Wait for official decision 3. Login again | Notification: “Your title was approved” or “Registration rejected” | Passed |
| TC9 | Title status changed in the applicant’s registration history | TC1, TC2 | Official approves or rejects title registration request | The status is changed according to the action | 1. Access registration history section 2. Look at the status field for a title | The title’s status field is changed to registered or rejected | Passed |

**2.5. Manage Restricted Words and Affixes**

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| **#** | TS10 |
| **Title** | Verify "Manage Restricted Words and Affixes" functionality |
| **Description** | To test the different scenarios that might arise while an official is trying to manage restricted words and affixes |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View existing restricted words and affixes | – | Official is logged in | List of all restricted terms shown | 1. Navigate to Manage Restrictions 2. View displayed list | Words and affixes are listed with metadata | Passed |
| TC2 | Add new restricted word successfully | – | Word does not exist in list | Word added to list and visible to all | 1. Click “Add Word” 2. Enter valid word 3. Confirm addition | Success: “Word added successfully”; Notification sent | Passed |
| TC3 | Add new restricted affix with category | – | Affix is new | Affix saved with prefix /suffix type | 1. Click “Add Affix” 2. Enter affix 3. Choose category (prefix/suffix) 4. Confirm | Affix added and categorized; Notification sent | Passed |
| TC4 | Attempt to add duplicate word/affix | – | Word/affix already exists | Entry rejected | 1. Enter an existing word/affix 2. Submit | Error: “This word/affix already exists” | Passed |
| TC5 | Modify existing word | – | Word selected from list | Word spelling or details updated | 1. Select a word 2. Edit the text 3. Save changes | Word updated; date and user saved | Passed |
| TC6 | Modify existing affix | – | Affix selected from list | Affix spelling or category changed | 1. Select affix 2. Change spelling or category 3. Save | Affix updated; changes recorded | Passed |
| TC7 | Delete a restricted word | – | Word selected from list | Word removed from restrictions | 1. Select word 2. Click Delete 3. Confirm action | Word deleted; notification sent | Passed |
| TC8 | Delete a restricted affix | – | Affix selected from list | Affix removed | 1. Select affix 2. Delete and confirm | Affix removed from list and system | Passed |
| TC9 | Cancel addition of a word/affix | – | Add form is open | No change occurs | 1. Click Add Word/Affix 2. Enter word /affix 3. Click Cancel | Form closes; word/affix not added | Passed |
| TC10 | Cancel modification of word/affix | – | Edit form is open | No update saved | 1. Select word /affix 2. Edit field 3. Cancel before saving | No change applied | Passed |
| TC11 | Cancel deletion of word/affix | – | Delete confirmation dialog shown | Word/affix remains unchanged | 1. Select word /affix 2. Click Delete 3. Click “No” on confirm dialog | Nothing is removed | Passed |
| TC12 | Search for a restricted word by keyword | – | Words exist in list | Filtered result shown | 1. Enter partial or full word in search bar | Matching terms displayed | Passed |
| TC13 | Filter affixes by category | – | List contains affixes | Filter result shown | 1. Select filter: Prefix or Suffix | Only matching affixes displayed | Passed |
| TC14 | Sort restrictions by name | – | List is visible | Sorted list displayed | 1. Click on Name column header | Words sorted alphabetically | Passed |
| TC15 | Sort restrictions by date modified | – | List is visible | Sorted by latest /oldest | 1. Click Date Modified column | List updates by date | Passed |
| TC16 | Paginate through a long list of restrictions | – | Many items in list | Paginated data navigable | 1. Click next/previous page | Page loads next set of results | Passed |
| TC17 | Validate metadata logging after changes | – | Add/edit/delete performed | Username and timestamp recorded | 1. Modify a word 2. Save 3. View metadata | Metadata shows who and when it was changed | Passed |
| TC18 | Notification sent after restriction update | TC2, TC3, TC5 – TC8 | Change successfully applied | All officials are notified | 1. Add /edit /delete any item 2. Confirm action | Notification: “[Official Name] updated restrictions on [Date]” | Passed |
| TC19 | Restrictions affect future title verification | – | A new word is added to list | New title with word is flagged | 1. Add “XYZ” to restriction list 2. Submit title with “XYZ” | Title rejected: “Contains restricted word ‘XYZ’” | Passed |

**3. TITLE EXPLORATION & RECORDS SUBSYSTEM:**

**3.1. Search and View Existing Titles**

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| **#** | TS11 |
| **Title** | Verify "Search and View Existing Titles" functionality |
| **Description** | To test the different scenarios that might arise while a user is trying to search and view existing titles |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View all existing titles | – | User is logged in | Complete list of titles is visible | 1. Navigate to “Existing Titles” page | List of titles loaded and displayed | Passed |
| TC2 | Search by exact title keyword | – | User is on titles page | Matching titles displayed | 1. Enter full title name in search bar (e.g., “India Today”) | Only relevant results shown | Passed |
| TC3 | Search by partial keyword | – | Titles exist with matching substring | Filtered titles displayed | 1. Enter “India” 2. View updated results | Titles with “India” in name are listed | Passed |
| TC4 | Apply alphabetical sort | – | List is loaded | Titles rearranged alphabetically | 1. Select sort option: A–Z | Titles reordered accordingly | Passed |
| TC5 | Apply date-based sort | – | List is loaded | Sorted by most recent or oldest first | 1. Choose “Date of Registration” 2. Select sort order | Titles listed by date | Passed |
| TC6 | Filter by category | – | Categories are available | Results filtered | 1. Select a category filter (e.g., “News”) | Only titles under that category are shown | Passed |
| TC7 | Filter by language | – | Language data available | Titles listed for selected language | 1. Choose language filter (e.g., “Hindi”) | Only Hindi titles appear | Passed |
| TC8 | Combined search and filter usage | – | Filters and keywords used together | Narrowed result set shown | 1. Apply filter 2. Enter keyword | Filtered search results based on both | Passed |
| TC9 | View title details | – | Titles are listed | Detailed metadata shown | 1. Click on a listed title | Full title details shown in a new section /page | Passed |
| TC10 | No matching titles for search | – | Entered keyword does not match any title | User informed, no data shown | 1. Enter nonsensical term like “xzyq” | Message: “No matching titles found” | Passed |
| TC11 | Reset search/filter options | – | Search or filters are applied | List returns to full view | 1. Click “Reset” or clear filters | Full list of titles displayed again | Passed |
| TC12 | Pagination through titles list | – | List exceeds one page | Next/Previous controls work | 1. Click “Next Page” or scroll | Page navigates to next group of titles | Passed |
| TC13 | Navigate away and return | – | User leaves page mid-use | List reloads correctly | 1. Navigate away 2. Return to titles page | Titles page reloads or retains state | Passed |
| TC14 | Attempt to search with empty input | – | User leaves search field blank | No change in list | 1. Leave search bar empty 2. Click Search | Full title list remains | Passed |
| TC15 | Access denied if not logged in | – | User not logged in | Redirected to login or error | 1. Try to access “Existing Titles” page directly | Redirected to login page | Passed |

**3.2. View Submission History**

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| **#** | TS12 |
| **Title** | Verify "View Submission History" functionality |
| **Description** | To test the different scenarios that might arise while a user is trying to view their submission history |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View verification history list | – | User is logged in with at least one verification attempt | List of submitted titles shown | 1. Navigate to History 2. Select “Verification History” | Table of previously verified titles with status | Passed |
| TC2 | View registration history list | – | At least one title has been submitted for registration | List of registrations displayed | 1. Navigate to History 2. Select “Registration History” | Table of registered and pending titles shown | Passed |
| TC3 | View status and date for each submission | – | Submissions exist | Details loaded with each row | 1. View either history list | Each title shows status and date | Passed |
| TC4 | Access analysis page from verification history | – | Title is listed in history | System opens analysis data | 1. Click “Info” on a title in verification history | Redirects to analysis page with full details | Passed |
| TC5 | Register accepted title from verification history | – | Title is accepted but not yet registered | Form access provided | 1. Click “Info” 2. Click “Register Title” | Redirected to registration page | Passed |
| TC6 | View approved registration info | – | Title was registered by an official | Status shows “Registered” | 1. Open registration history 2. Find title | Registered title info shown | Passed |
| TC7 | Cancel a pending registration | – | Registration status is “Pending” | Status updated to “Cancelled” | 1. Open history 2. Click “Cancel” on a pending item | Confirmation and status changed | Passed |
| TC8 | Delete a title from verification history | – | Title exists in history | Title removed from history and buffer | 1. Open verification history 2. Click “Delete” on a title | Title deleted and similar titles no longer blocked | Passed |
| TC9 | Attempt to register rejected title from history | – | Title was rejected in verification | Registration disabled | 1. Click info on rejected title | No registration option shown | Passed |
| TC10 | Search for a title in history | – | User has many titles | Matching records displayed | 1. Enter keyword in history search bar | Titles filtered by keyword | Passed |
| TC11 | Sort history by submission date | – | List of entries exists | History list rearranged | 1. Click on “Date” column to sort | Entries sorted accordingly | Passed |
| TC12 | View history when no titles exist | – | New user or no submissions yet | Blank state or message shown | 1. Open history with no data | Message: “No submissions yet” | Passed |
| TC13 | System admin views applicant’s history | – | Admin is logged in | Applicant history displayed | 1. Go to Manage Users 2. Open a user 3. Click “View History” | Verification and registration lists for that user shown | Passed |

**3.3. Monitor Title Registration History**

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| **#** | TS13 |
| **Title** | Verify "Monitor Title Registration History" functionality |
| **Description** | To test the different scenarios that might arise while an official is trying to monitor the recent title registrations history |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View recently registered titles on dashboard | – | PRGI official is logged in | List of registered titles shown | 1. Log in as PRGI official 2. View dashboard | List of recently registered titles with details | Passed |
| TC2 | Verify order of registration list | – | At least two registered titles exist | List sorted by most recent first | 1. Open registration list 2. Check top entries | Latest registered title appears first | Passed |
| TC3 | View title metadata from list | – | Titles are listed | Title description loaded | 1. Click on a title from the list | Full registration details shown | Passed |
| TC4 | Refresh registration list view | – | Titles recently updated | List refreshed correctly | 1. Refresh dashboard 2. Check title order | Updated title list shown | Passed |
| TC5 | Attempt to view registration list when not logged in | – | Official is logged out or session expired | Access denied | 1. Try accessing dashboard directly 2. System checks session | Redirected to login page | Passed |

**4. SUPPORT & HELP SUBSYSTEM:**

**4.1. Access Help & Guidelines**

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| **#** | TS14 |
| **Title** | Verify "Access Help & Guidelines" functionality |
| **Description** | To test the different scenarios that might arise while a user is trying to access help & guidelines section |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Access Help & Guidelines section | – | User is logged in | Help topics are displayed | 1. Click on “Help & Guidelines” in menu | System loads help topics list | Passed |
| TC2 | View general overview topic | – | Help page is open | General system overview displayed | 1. Open Help 2. Click “General Overview” | Introductory content is shown | Passed |
| TC3 | View title submission process guide | – | Help page is open | Steps for submission explained | 1. Open Help 2. Click “Title Submission Process” | Guidelines for submitting titles shown | Passed |
| TC4 | View analysis page explanation | – | Help page is open | User understands score and feedback | 1. Click “Analysis Page Explanation” topic | Explanation of scores and feedback shown | Passed |
| TC5 | View title registration process | – | Help page is open | Title registration info shown | 1. Open Help 2. Click “Title Registration” | Registration process steps are displayed | Passed |
| TC6 | Access submission history guidance | – | Help section open | History usage instructions shown | 1. Open Help 2. Click “Accessing Submission History” | Info on using history page displayed | Passed |
| TC7 | Learn about existing titles access | – | Help section open | Title search and filter guidance shown | 1. Open Help 2. Click “Existing Titles” | Instructions on exploring titles appear | Passed |
| TC8 | Understand notification system | – | Help page open | Notification details provided | 1. Click “Notification” topic | Info on alerts, registration updates displayed | Passed |
| TC9 | View official guidelines | – | PRGI official is logged in | Topic related to official roles appears | 1. Click “Guidelines for Officials” | Details on managing restrictions, approvals | Passed |
| TC10 | Download help document | – | Downloads are available | Help file saved locally | 1. Click “Download PDF” on any help topic | File downloaded successfully | Passed |
| TC11 | Attempt to access help without login | – | User not authenticated | Access granted | 1. Try to access help document | Help document is shown without any restrictions | Passed |

**4.2. Contact Support**

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| **#** | TS15 |
| **Title** | Verify "Contact Support" functionality |
| **Description** | To test the different scenarios that might arise while a user is trying to contact support6 |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | Access Contact Support page | – | User is logged in | Contact form displayed | 1. Navigate to “Contact Support” | Form with issue description field shown | Passed |
| TC2 | Submit valid support request | – | User has entered a valid message | Request sent to admin | 1. Type issue in input box 2. Click “Submit” | Message sent; confirmation shown | Passed |
| TC3 | Submit request with empty message | – | User submits form with no text | Submission blocked | 1. Leave message box blank 2. Click “Submit” | Error: “Please enter a message” | Passed |
| TC4 | Submit extremely long message | – | Message exceeds limit (e.g., 1000+ chars) | Submission blocked | 1. Paste long content into box 2. Submit | Error: “Message too long” | Passed |
| TC5 | Submit message with special characters | – | Special characters included | Message accepted | 1. Enter “#@! Issue with login” 2. Submit | Request submitted successfully | Passed |
| TC6 | System sends message to admin inbox | TC2 | Valid submission made | Admin receives message | 1. User submits request 2. Admin logs in | Support request visible to admin | Passed |
| TC7 | Admin responds to message | – | Admin opens request | User receives response notification | 1. Admin types reply 2. Submits response | Message reaches user inbox/notification panel | Passed |
| TC8 | User views support response | TC7 | Response available | Message displayed | 1. Click on notification or view inbox | Full response content shown | Passed |
| TC9 | User navigates away before submitting | – | Message typed but not submitted | Message lost if not saved | 1. Type message 2. Leave page | Form cleared; no data saved | Passed |
| TC10 | Multiple support queries from same user | – | User submits more than one issue | All listed in user history or inbox | 1. Submit several issues over time | Multiple entries tracked individually | Passed |
| TC11 | Notification delay for admin response | – | Admin takes time to respond | User sees message only when available | 1. Submit request 2. Wait without reply | No immediate notification shown | Passed |
| TC12 | Access Contact Support as official | – | PRGI Official is logged in | Same form shown | 1. Official opens “Contact Support” | Form to submit issue is available | Passed |
| TC13 | Attempt to submit contact message without login | – | User not authenticated | Access denied | 1. Open contact page URL directly | Redirect to login page | Passed |

**4.3. Respond to Support Queries**

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| **#** | TS16 |
| **Title** | Verify "Respond to Support Queries" functionality |
| **Description** | To test the different scenarios that might arise while the admin is trying to respond to submitted support queries |

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| **#** | **Summary** | **Dependency** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Output** | **Actual Output** |
| TC1 | View list of support requests | – | Admin is logged in and support queries exist | Requests are listed | 1. Go to “Support Requests” section | List of support tickets with username, role, and timestamp | Passed |
| TC2 | View details of a specific request | TC1 | At least one query listed | Full query content shown | 1. Click on a support request | Message content from user is displayed | Passed |
| TC3 | Respond to a support query | – | Admin has opened a support ticket | Message delivered to user as notification | 1. Enter reply 2. Click “Send” | Confirmation shown; user receives notification | Passed |
| TC4 | Attempt to respond with empty message | – | No text in reply box | Submission blocked | 1. Leave reply field blank 2. Click “Send” | Error: “Response message cannot be empty” | Passed |
| TC5 | Respond using multiline message | – | Admin enters multiline text | Format preserved in response | 1. Enter multi-line response 2. Submit | Response appears with line breaks preserved | Passed |
| TC6 | Filter requests by user role | – | Multiple tickets from different roles exist | Filtered list shown | 1. Select filter: “PRGI Official” | Only requests from PRGI Officials are listed | Passed |
| TC7 | Sort support queries by submission date | – | Support queries have varied timestamps | List sorted accordingly | 1. Apply sort by “Date: Newest First” | Requests reordered by date | Passed |
| TC8 | Cancel a draft response | – | Admin types reply but cancels | No response sent | 1. Type message 2. Click Cancel | Text cleared; no action taken | Passed |
| TC9 | Respond to multiple requests in sequence | – | Several requests exist | All get responded individually | 1. Open each query 2. Type and send replies | Responses recorded for each user | Passed |
| TC10 | View request with long message | – | User’s message is lengthy | Scrollable or expanded view shown | 1. Select request with long description | Full message is readable | Passed |
| TC11 | Respond after long inactivity | – | Admin responds after delay | User still receives notification | 1. Respond to an older support query | Notification still delivered to user | Passed |
| TC12 | Attempt to view support section without login | – | Admin is logged out | Access denied | 1. Open direct URL to support panel | Redirected to login page | Passed |

END