| **No.** | **Test Case Description** | **Expected Behavior** | **Failure Behaviour** |
| --- | --- | --- | --- |
| User | | | |
| 1 | Valid User Login | Welcome Message and access given accordingly | Inability to log in or access to certain functions is wrong |
| 2 | Invalid NRIC Format | Prompt given accordingly | Successful login |
| 3 | Invalid Login Credentials | Deny access and prompt user | Successful login |
| 4 | Password Change | System updates password and stores | System does not change password |
| 5 | User Profile | User can view their Profile | User’s profile displays bad information |
| 6 | User Logout | User can logout | User cannot logout |
| Applicant/Officer | | | |
| 5 | Applicant/Officer Valid Project | Relevant Projects and Flats are visible based on age, marital status or visibility | Irrelevant project and Flats is shown |
| 6 | Applicant/Officer Project Filtering | Project and Flats are sorted and visible based on user controlled filters that are saved between pages | Project and Fats are shown that violate the user controlled filters or sorting and settings are not solved between pages |
| 7 | Applicant/Officer Application | Applicant/Officer can only apply to relevant flats | Applicant/Officer applies to irrelevant flats |
| 9 | Applicant/Officer Enquiry CRUD | Enquiries can be created, read, edited and deleted | Enquiries cannot be created, read, edited and deleted |
| Officer | | | |
| 10 | Officer Registration | Officer cannot register for projects that they have applied for or conflict with existing registrations | Officer can register for projects that they have applied for or conflict with existing registrations |
| 11 | Officer Registration Status | Officer can view Status of their registration | Officer cannot view Status of their registration |
| 12 | Officer Project Information | Officers can access project details even when project is not visible | Officer cannot access project details |
| 14 | Officer Project Information based on status | Officer can only access project details if registration was successful | Officer cannot access project details if successful |
| 15 | Officer Booking | Officers can book a flat for Applicants/Officers who successfully applied if there are flats | Officers cannot book a flat for Applicants/Officers who successfully applied OR can book even if there are no flats |
| 16 | Officer Print Receipt | Officer can print receipt of booked applicants | Officer cannot print receipt of booked applicants |
| 17 | Officer Editing Project | Officer cannot edit Project | Officer can edit Project |
| 18 | Officer Enquiries | Officer can reply to project enquiries | Officer cannot reply to project enquiries |
| Manager | | | |
| 19 | Manager Project | Manager can Create and Read all projects | Manager cannot Create and Read all projects |
| 20 | Manager Handling Project | Manager can Create , Read, Update, Delete handled projects | Manager can Create , Read, Update, Delete handled projects |
| 21 | Manager Application | Manager cannot apply for projects | Manager can apply for projects |
| 22 | Manager Neighbourhoods | Manager can Create, Read, Update and Delete all neighbourhoods | Manager can Create, Read, Update and Delete all neighbourhoods |
| 23 | Manager Projection creation constraints | Manager cannot be handling more than one active project at a time | Manager handles more than one active project at a time |
| 24 | Manager Filtering | Manager can filter and sort out projects based on name, neighbourhood, manager | Filter and sorting does not work correctly |
| 25 | Manager Officer Registrations | Manager can approve or reject registrations | Approval or rejection does not work or update in the system correctly |
| 26 | Manager Applicant/Officer Applications | Manager can approve or reject applications | Approval or rejection does not work or update in the system correctly |
| 27 | Manager Applicant/Officer Withdrawal | Manager can approve or reject withdrawals | Approval or rejection does not work or update in the system correctly |
| 28 | Manager Report Applicant Filtering | Manager can filter applicants for their project and generate a report | Manager cannot filter applicants for their project and generate a report or is wrong |