

Test cases

Login and Profile			
No.	Use Case	Expected Output	Actual Result
1	Valid User Login	User should be able to see the main page based on their roles	User sees the main page based on their assigned roles
2	Incorrect NRIC format	System should alert user of incorrect NRIC format	System alerts user of incorrect NRIC format
3	Incorrect NRIC or Password	System should deny access to user and state that the NRIC or password is incorrect	System denies access to user and state that the NRIC or password is incorrect
4	User enters a new password that is less than 8 characters long	System deny user to change password. Prompts user that the new password must be at least 8 characters long. Redirect the user to the main page.	System deny user to change password. Prompts user that the new password must be at least 8 characters long. Redirect the user to the main page.
5	User enters the wrong current password when changing passwords	System notify user of incorrect current password. Redirect the user back to main page.	System notify user of incorrect current password. Redirect the user back to main page.
6	Viewing of available projects is based on the user's selected filters, marital status, and age, as well as the project's visibility and application period (open and close dates)	The system should only display projects that the user is eligible to view, based on these criteria. If the user does not meet the eligibility requirements, the system will notify them that no projects are currently available based on their profile.	The system correctly displays projects that match the user's eligibility criteria. If the user does not meet any requirements, the system informs them that there are no available projects based on their eligibility.
7	User chooses to view profile under main page	System correctly shows the user personal information (Name, NRIC, Age, Marital Status and Role) Additionally: For Applicants, the system will	System correctly shows the user personal information (Name, NRIC, Age, Marital Status and Role) Additionally: For Applicants, the system will

		<p>also show any current project application details.</p> <p>For Officers, the system will show any current project application details (as Applicant) and projects the officer is handling.</p> <p>For Manager, the system will show the projects the manager is managing.</p>	<p>also show any current project application details.</p> <p>For Officers, the system will show any current project application details (as Applicant) and projects the officer is handling.</p> <p>For Manager, the system will show the projects the manager is managing.</p>
8	User chooses to log out of the system	User is logged out of the system.	User is logged out of the system.

Applying for a BTO Project

<u>No.</u>	<u>Use Case</u>	<u>Expected Output</u>	<u>Actual Result</u>
9	Users apply filters to view projects by neighbourhood and room type.	System displays only the projects that match the selected filters chosen by the user.	System displays only the projects that match the selected filters chosen by the user.
10	Applying for a project	Applicants are able to choose which project and room type to apply for based on his/her eligibility.	Applicants are able to choose which project and room type to apply for based on his/her eligibility.
11	Applicant applies for a room type that has no more available rooms. (shown in system as 0)	System denies the applicant's application and informs them that there are no more available units for the chosen room type.	System denies the applicant's application and informs them that there are no more available units for the chosen room type.
12	Applicant wants to submit another application even though he/she already has a pending or successful application	System denies the applicant from submitting another application.	System denies the applicant from submitting another application.
13	Applicant submits application for	Applicant's application status set to PENDING, await for	Applicant's application status set to PENDING, await for

	project	Manager's approval.	Manager's approval.
14	Manager accepts applicant's project application	System sets application status to SUCCESSFUL. Application passed over to project's officer for booking.	System sets application status to SUCCESSFUL. Application passed over to project's officer for booking.
15	Officer books the flat for Successful applications	System sets application status to BOOKED, Applicant has completed the booking process.	System sets application status to BOOKED, Applicant has completed the booking process.
16	Manager rejects applicant's project application	System sets application status to UNSUCCESSFUL. Applicant has to resubmit an application.	System sets application status to UNSUCCESSFUL. Applicant has to resubmit an application.
17	Applicant wants to withdraw his/her application	System double checks with applicant to confirm withdrawal. If yes, withdrawal request sent to Manager for approval. Status set to PENDING_WITHDRAWAL	System double checks with applicant to confirm withdrawal. If yes, withdrawal request sent to Manager for approval. Status set to PENDING_WITHDRAWAL
18	Manager approves the withdrawal of the application	Applicant's application status set to SUCCESSFUL_WITHDRAWAL .	Applicant's application status set to SUCCESSFUL_WITHDRAWAL.
19	Manager rejects the withdrawal of the application	Applicant's application status reverted back to PENDING.	Applicant's application status reverted back to PENDING.
20	Viewing Application after Visibility toggled off by Manager	Applicants are still able to view their application details.	Applicants are still able to view their application details.

Enquiries

<u>No.</u>	<u>Use Case</u>	<u>Expected Output</u>	<u>Actual Result</u>
21	Applicant submits an enquiry	Applicants can view, edit or delete their submitted enquiries.	Applicants can view, edit or delete their submitted enquiries.
22	Applicant wants to edit/delete his enquiry before it has been replied to	When applicants view their enquiries, their enquiry is updated/deleted.	When applicants view their enquiries, their enquiry is updated/deleted.

23	Applicant wants to edit/delete his enquiry after it has been replied to	System informs the applicant that the enquiry cannot be edited/deleted.	System informs the applicant that the enquiry cannot be edited/deleted.
24	Applicant's enquiry has been replied to by an Officer incharge or a Manager	Applicant is able to see who replied to his/her enquiry	Applicant is able to see who replied to his/her enquiry
25	Officer wants to reply to enquiries	<p>If the Officer is approved to handle a project, the system will only show enquiries submitted under that project.</p> <p>If the Officer is not approved to handle any project, the system will inform the officer that he is not currently approved to handle any projects.</p>	<p>If the Officer is approved to handle a project, the system will only show enquiries submitted under that project.</p> <p>If the Officer is not approved to handle any project, the system will inform the officer that he is not currently approved to handle any projects.</p>

Officer Registration for a Project

<u>No.</u>	<u>Use Case</u>	<u>Expected Output</u>	<u>Actual Result</u>
26	Officer views details of project that he is handling	<p>If Officer is a registered Officer of a project, system displays the details of the BTO project he is handling.</p> <p>If Officer is not a registered officer of a project, system informs officer that he is not currently approved to handle any projects.</p>	<p>If Officer is a registered Officer of a project, system displays the details of the BTO project he is handling.</p> <p>If Officer is not a registered officer of a project, system informs officer that he is not currently approved to handle any projects.</p>
27	Officer registers to be the Officer in charge of a project	System sets the registration status to PENDING, awaiting for manager approval.	System sets the registration status to PENDING, awaiting for manager approval.
28	Officer registers to be in charge of another project while having a pending or successful HDB	System denies the application and warns the officer that he is unable to apply for BTO projects due to an officer assignment clash in the same period.	System denies the application and warns the officer that he is unable to apply for BTO projects due to an officer assignment clash in the same period.

	officer registration status for a project in the same period		
29	Manager approves Officer registration	System sets the registration status to APPROVED, Officer is now handling the BTO Project. System decrements the Officer count.	System sets the registration status to APPROVED, Officer is handling the BTO Project. System decrements the Officer count.
30	Manager rejects Officer registration	System sets the registration status to REJECTED, Officer needs to re register for BTO projects.	System sets the registration status to REJECTED, Officer needs to re register for BTO projects.
31	Officer wants to apply for a project as an Applicant but is already officer for another project during the same date range	The system prevents the officer from applying as an applicant and notifies them that they are currently assigned to manage another project.	The system prevents the officer from applying as an applicant and notifies them that they are currently assigned to manage another project.
Manager-specific Actions			
<u>No.</u>	<u>Use Case</u>	<u>Expected Output</u>	<u>Actual Result</u>
32	Manager attempts to create a new project that overlaps with the date range of an existing project he/she is already managing.	The system should prevent the project creation and notify the manager that they are already assigned to a project during the specified date range.	The system should prevent the project creation and notify the manager that they are already assigned to a project during the specified date range.
33	Manager wants to edit his Project's open and close date such that it overlaps with one of his projects.	System does not allow the edit and warns the Manager of a date conflict with another project.	System does not allow the edit and warns the Manager of a date conflict with another project.
34	Manager deletes his/her project listing.	All associated Applicant applications and the Officer's registration for that project should also be removed.	All associated Applicant applications and the Officer's registration for that project should also be removed.

35	Manager wants to edit/delete project listings that are not under him	System stops and informs the manager that he is unable to edit/delete other project listings that are not under his name.	System stops and informs the manager that he is unable to edit/delete other project listings that are not under his name.
36	Manager toggles the visibility of Projects he is managing	Changes in visibility should be reflected accurately in the projects that are visible to applicants.	Changes in visibility accurately reflected in the projects that are visible to applicants.
37	Manager wants to view enquiries	System displays all enquiries.	System displays all enquiries.
38	Manager wants to reply to enquiries	System only displays enquiries related to the project that the manager is overseeing.	System only displays enquiries related to the project that the manager is overseeing.
Miscellaneous			
<u>No.</u>	<u>Use Case</u>	<u>Expected Output</u>	<u>Actual Result</u>
39	Manager wants to generate Applicant Booking Report	System shows filter options for Manager (All booked applicants, by Applicant's chosen Flat Type or Marital Status). System then prints the selected booking report.	System shows filter options for Manager (All booked applicants, by Applicant's chosen Flat Type or Marital Status). System then prints the selected booking report.
40	Project's open-close date range is not within the current date, but its visibility is set to "on".	The system resets the visibility to "off" automatically at the start of each run.	The system resets the visibility to "off" automatically at the start of each run.
41	Officer generates booking receipt for Applicants who have booked a flat	System generates a BTO Booking Confirmation for the Applicant that includes his credentials and booking details. If Officer is not a registered officer of any project, system informs officer that he is not currently handling any projects.	System generates a BTO Booking Confirmation for the Applicant that includes his credentials and booking details. If Officer is not a registered officer of any project, system informs officer that he is not currently handling any projects.

42	Officer wants to view details of a project he is handling, even when the visibility is set to “off”.	System should show the details of the project, regardless of the visibility settings.	System should show the details of the project, regardless of the visibility settings.
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