To the perform the tests, start from clean slate, in the Data folder, there is a Test Start Data folder containing the starting state, then perform each of the test cases in order, each of the Copy command result images are in the Tests folder.

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
1	Valid User Login	User should be able to access their dashboard based on their roles	User cannot log in or receives incorrect error messages		S3434343G password 0
2	Invalid NRIC Format	User receives a notification about incorrect NRIC format	User is allowed to log in with an invalid NRIC		S343434G password yes
3	Incorrect Password	System should deny access and alert the user to incorrect password	User logs in successfully with a wrong password		S3434343G passwor yes
4	Password Change Functionality	System updates password, prompt re-login and allows login with new credentials	System does not update the password or denies access with the new password		S3434343G password 10 password passwor passwor
5	Project Visibility Based on User Group and Toggle	Projects are visible to users based on their age, marital status and the visibility setting	Users see projects not relevant to their group or when visibility is off	Single34, nothing Married20, nothing Single 35,2rooms Married21, 2or3	S3434343G passwor 1 T2020202G password 1 S3535353G password 1 T2121212G password 1

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
6	Project Application	Users can only apply for projects relevant to their group or when visibility is off	Users can apply for projects not relevant to their group or when visibility is off	Using T2121212G (Married21) Applied for Acacia 02 (3-room)	T2121212G password 2 1
7	Viewing Application Status after Visibility Toggle Off	Applicants continue to have access to their application details regardless of project visibility.	Application details become inaccessible once visibility is off.	Log in to T2525252M manager to turn off visibility for Acacia 02, log back into T2121212G	T2525252M password 4 1 0 T2121212G password 1 yes

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
10	HDB Officer Registration Eligibility	System allows registration only under compliant conditions	System allows registration while the officer is an applicant or registered for another project in the same period	OfficerSingle35, apply for Acacia 22 to show cannot register as officer if got application Registering OfficerMarried21 to Acacia 02, after that try apply for Acacia 20 (Same period, wont' show) and Acacia Future (Future so can) Approve Acacia 02 using ManagerExtra1 Also approve BTO Application of Married25 Applicant (Partial Case 23) Last command to approve T2121212O for Acacia Future, (Also shows test case 12, project detail for officers)	S3535353O password 7 2 1 1 2 0 T2121212O password 1 2 1 T2525252M password 7 1 1 A 8 1 1 A T2121212M 7 1
11	HDB Officer Registration Status	Officers can view pending or approved status updates on their profiles.	Status updates are not visible or incorrect	(Explain the time thing, and how handling is decided)	1 T2121212O password 2

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
12	Project Detail Access for HDB Officer	Officers can always access full project details, even when visibility is turned off.	Project details are inaccessible when visibility is toggled off	Show in the project list still can see acacia 02, even though never applied but is officer for	T2121212O password 3
13	Restriction on Editing Project Details	Edit functionality is disabled or absent for HDB Officers.	Officers are able to make changes to project details	Just show no option to edit projects (Manager Shown Later)	
8	Single Flat Booking per Successful Application	System allows booking one flat and restricts further bookings	Applicant is able to book more than one flat	(Test 10 First to add officer to Acacia 02) Show status of applicant first Manager approve (Test 10), officer help book (Show Receipt! the confirm booking, after the yes) (Test 16) After that show cannot apply anymore on applicant (Already Booked Project)	T2121212G password 3 T2121212O password 5 1 yes T2121212G password 2
16	Receipt Generation for Flat Booking	Accurate and complete receipts are generated for each successful booking	Receipts are incomplete, inaccurate, or fail to generate	(Shown in Test 8 Just Now)	

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
					T2121212G password 5 2 Hello
		6			
					7
					1
		Enquiries can be	Enquiries cannot		Вуе
9	Applicant's enquiries	successfully submitted,	be submitted, edited, or	(Show Test 10 First to	6
	management	displayed,	deleted; or do	add officer to Acacia 02)	8
	3	modified, and	not display correctly.		1
		removed. correctly.			yes
					6
				5	
					2
					Hello1
					5
					2
					Hello2
					T2525252M
					password
					12
					1
		Officers &	Officers &		ASD
		Managers can	Managers		
	Response to	access and	cannot see	After reply, show with	T2121212O
14	Project	respond to	enquiries, or	applicant	password
	Enquiries	enquiries	their responses	b b c	4
		efficiently.	are not recorded.		1
		,			DSA
					T2121212G
					password
					6

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
15	Flat Selection and Booking Management	and Booking accurately, and	Incorrect retrieval or updates, or failure to reflect booking details accurately.	(Just now showed approving) Login to the applicant, show the table, 1/2 available/total Here also explain the officer slot and HDB slot in csv we consider max,	T2121212G password 1
				and we check how many used up logically by the registration and application list	
17	Create, Edit, and Delete BTO Project Listings	Managers should be able to add new projects, modify existing project details, and remove projects from the system	Inability to create, edit, or delete projects or errors during these operations.	Using a project-less manager to create edit, delete project, before delete show cannot create overlapping (Test 18) View Managed Projects (Explain why we disallowed changing name of project, Number of 2 and 3 rooms slots) Before deleting, Show test case 18 first, dates mid way intersect so should not be able to create (Need to Fix)	T2626262M password 1 Test Test2 2 3 4 5 2025-04-20 2025-05-23 3 6 2 1 Test3 4 6
				Before deleting, test case 19 show also (Toggle Visibility) Show it toggling in the 6 menu	6 2025-04-21 2025-05-24 4
				After that delete the project	Test2 Test5 1 2 3

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
					4 2025-04-20 2025-05-10 1
					6
					4
					6
					3
					1 yes
					6
18	Single Project Management per Application Period	System prevents assignment of more than one project to a manager within the same application dates.	Manager is able to handle multiple projects simultaneously during the same period.	Shown in Test 17 before deleting	
19	Toggle Project Visibility	Changes in visibility should be reflected accurately in the project list visible to applicants	Visibility settings do not update or do not affect the project listing as expected	Shown in Test 17 before deleting	
20	View All and Filtered Project Listings	Managers should see all projects and be able to apply filters to narrow down to their own projects.	Inability to view all projects or incorrect filtering results	View all projects Then View only their projects	T2525252M password 5

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
				(Test 10 Shown approve Officer)	
				(In same menu as test 20, show the officer slots are 1/2)	
21	Manage HDB Officer Registrations	Managers handle officer registrations effectively, with system updates reflecting changes accurately.	Mismanagement of registrations or slot counts do not update properly.	Just to show it works, use OfficerSingle34 to try apply for Acacia slotless (Already 2/2 project at init), can show registration csv also to show added to approved the moment started up from CSV.	S3434343O password 1
				In the menu show can't apply for slotless, since already full, but can apply for those eligible to	

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
23	Generate and Filter Reports	Accurate report generation with options to filter by various categories.	Reports are inaccurate, incomplete, or filtering does not work as expected.	Just now applied for Acacia 02 (2 room) using Married 21 Show no filter Show filter TWO_ROOM THREE_ROOM Show filter single Show filter > 22	T2525252M password 10 1 T2525252M password 10 1 TWO_ROOM T2525252M password 10 1 THREE_ROOM T2525252M password 10 1 THREE_SOOM T2525252M password 10 1 1 22 T2525252M password 10 1
					SINGLE

No.	Test Cases	Expected Behavior	Failure Indicators	Comments	Сору
22	Approve or Reject BTO Applications and Withdrawals	Approvals and rejections are processed correctly, with system updates to reflect the decision	Incorrect or failed processing of applications or withdrawals	(Shown approve application already (Thus can book)) Show withdrawl and reject, withdrawl first, both using Single35 S3535353G Show both using Acacia 22	S3535353G password 2 2 3 4 yes T2020202M password 9 1 A S3535353G password 3
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