

Test Case ID	⌚ Feature	Test Scenario	Preconditions	Assumptions	Test Steps	Expected Result	Postconditions	Status
TC-001	User Management	Verify Successful User Registration	The user is on the registration page. The email is not registered.	The application is accessible.	1. Navigate to the application. 2. Enter username, email, and password. 3. Click "Register".	A success message is displayed.	A new user account is created. The user stays on the login screen.	Passed
TC-002	User Management	Verify Registration Attempt with an Existing Email	An account with the email already exists.	The application is accessible.	1. Navigate to the registration page. 2. Try to register with an existing email.	An error "User already exists" is displayed.	No new account is created. The user stays on the login screen.	Passed
TC-003	User Management	Verify Successful User Login	The user has a registered account and is on the login screen.	The application is accessible.	1. Navigate to the login page. 2. Enter email and password. 3. Click "Login".	The user is redirected to the group page.	The user is on the group page.	Passed
TC-004	User Management	Verify Login Attempt with an Invalid Password	The user has a registered account and is on the login page.	The application is accessible.	1. Enter a registered email. 2. Enter an incorrect password. 3. Click "Login".	An error for invalid credentials is displayed.	The user is not logged in and stays on the login screen.	Passed
TC-005	User Management	Verify User Logout Functionality	The user is logged into the application.	The logout button is functional.	1. Log in. 2. Click "Logout".	The user is returned to the Login screen.	The user's session ends.	Passed
TC-006	User Management	Verify Account Deletion	The user is logged into the application.	The "Delete Account" button is functional.	1. Log in. 2. Click "Delete Account".	The account and data are deleted. The user is redirected to the login screen.	The user's account is permanently removed.	Passed
TC-007	Group Management	Verify New Group Creation	The user is logged in and not in a group.	The "Create a New Group" button is present.	1. Log in. 2. Click "Create a New Group".	The user is on the main dashboard. Group info and an invite code are present.	A new group is created with the user as the first member.	Passed
TC-008	Group Management	Verify Joining an Existing Group via an Invite Code	User A is in a group and shared the code. User B is logged in and on the join screen.	The invite code is correct.	1. Log in as User B. 2. Enter User A's invite code. 3. Click "Join Group".	The user is on the main dashboard. Group info and invite code are displayed.	User B is added to User A's group.	Passed
TC-009	Group Management	Verify Joining a Group with an Invalid Invite Code	The user is logged in and on the join screen.	The join group functionality is active.	1. Enter an incorrect invite code. 2. Click "Join Group".	An error "Group not found" is displayed. The user stays on the join screen.	The user is not added to any group.	Passed
TC-010	Group Management	Verify "Leave Group"	The user is logged in and is a member of a group.	The "Leave Group" button is visible and functional.	1. Log in. 2. Click "Leave Group". 3. Confirm.	The user is returned to the "Join or Create a Group" screen. The main dashboard is hidden.	The user is removed from the group. The group and its data still exist for the members left in the group.	Passed
TC-011	Group Management	Verify "Delete Group"	The user is logged in and is the creator of a group.	The "Delete Group" button is present.	1. Log in. 2. Click "Delete Group". 3. Confirm.	The user who deleted is returned to the "Join or Create a Group" screen.	The group, and all related data are deleted, and no user is a part of the group.	Passed

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TC-012	Group Management	Verify Non-Owner Cannot Delete Group	User A created a group. User B joined that group. User B is logged in.	The "Delete Group" button is visible to all members.	1. Log in as User B. 2. Click the "Delete Group" button. 3. Confirm the action when prompted.	An error "Authorization denied: Only the group owner can delete the group" is displayed.	The group and all of its associated data remain intact. The user remains in the group.	Passed
TC-013	Medication Log	Add a New Medication to the Log	The user is logged in and on the medication log page.	The medication list is visible.	1. Enter medication name, dosage, and recipient's name. 2. Click "Add Medication".	The new medication appears in the list.	The new medication is saved to the user's account.	Passed
TC-014	Medication Log	Verify Medication List Display	The user is logged in and has added at least one medication.	The application displays multiple entries.	1. Log in. 2. Add several medications.	All added medications are displayed correctly.	The user can view all saved medications.	Passed
TC-015	Medication Log	Edit an Existing Medication	The user is logged in and has at least one medication.	An "Edit" button is available for each entry.	1. Click "Edit" for a medication. 2. Change name, recipient name, or dosage. 3. Click "Save Changes".	The medication's information is updated and displayed.	The updated medication details are saved.	Passed
TC-016	Medication Log	Delete a Medication from the List	The user is logged in and has at least one medication.	A "Delete" button is available for each entry.	1. Click "Delete" for a medication.	The selected medication is removed from the list.	The medication is permanently removed.	Passed
TC-017	Medication Log	Mark a Medication as Taken	The user is logged in and has at least one medication.	A "Mark as Taken" button is available.	1. Click "Mark as Taken" for a medication.	A new entry appears in "Administration History" with user's name and timestamp.	An administration record is created for the medication.	Passed
TC-018	Administration Log	Verify Correct Administrator Name in History Log	The user is logged in and a new medication has been added.	The application grabs the logged-in user's name.	1. Log in. 2. Add a new medication. 3. Click "Mark as Taken" for the medication.	The administration history log shows the correct logged-in username.	An accurate administration record is created.	Passed
TC-019	Administration Log	Edit an Administration Record	A medication has been marked as taken, creating a record.	The administration log allows editing.	1. Mark a medication as taken. 2. Click "Edit" in the history log. 3. Change "Administered By" name, administration date, and administration time. 4. Click "Save Changes".	The history log updates to show the new name for the event.	The selected administration record is updated.	Passed

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TC-020	<b>Administration Log</b>	Search for an Administration Record	There are records in the list.	The administration log allows searching by medication name, date, and time.	1. Click on the date search bar. 2. Enter a valid name, date, and time a medication was administered.	The history log updates to show the correct entries	The history log is displaying only the administration events that took place according to the given criteria	Passed
TC-021	<b>Administration Log</b>	Delete an Administration Record	A medication has been marked as taken, creating a record.	The administration log allows deletion.	1. Mark a medication as taken. 2. Click "Delete" in the history log. 3. Press confirm.	The administration record is deleted	The administration record is updated.	Passed
TC-022	<b>Data Sharing</b>	Verify Shared Data Visibility within a Group	Users A and B are in the same group. User A created medication and appointments.	Both users are logged in.	1. Navigate to Medication Log and Appointment Calendar.	All data from User A is visible to User B.	Data created by one group member is accessible to all others.	Passed
TC-023	<b>Data Isolation</b>	Verify Data Isolation Between Groups	User A is in "Group B". There is different data in each group.	Both groups have existing data.	1. Navigate to Medication Log and Appointment Calendar.	User A's data is not visible to User B. Dashboards show separate data.	Data is not accessible to other groups.	Passed