

IT-314 Software Engineering

Black-Box Testing



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Normal Login Test Cases :

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-Login-001	Login success (valid email + strong password)	User is present on login page. (User must already have an account)	1. Enter valid email address. 2. Enter valid password. 3. Click "Login" button.	User successfully logs in and is redirected to dashboard.	PASS
TC-Login-002	Invalid Email (email not registered)	User is present on login page.	1. Enter an unregistered email. 2. Enter any password. 3. Click "Login".	System displays error message: "user not registered".	PASS
TC-Login-003	Invalid Password (Negative Test - Email Exists)	User is present on login page.	1. Enter a valid, registered email address. 2. Enter an incorrect password. 3. Click "Login" button.	The system displays the error message: " invalid user credentials ".	PASS
TC-Login-004	Empty Email and Password (Boundary Test)	User is present on login page.	1. Leave both the email and password fields blank. 2. Click "Login" button.	Button is disabled	PASS
TC-Login-005	Empty Email, Valid Password (Boundary Test)	User is present on login page.	1. Leave the email field blank. 2. Enter a valid password. 3. Click "Login" button.	Button is disabled	PASS

TC-Login-006	Valid Email, Empty Password (Boundary Test)	User is present on login page.	1. Enter a valid email address. 2. Leave the password field blank. 3. Click "Login" button.	Button is disabled	PASS
TC-Login-007	Valid Email registered By Google Auth and random password	User is present on login page.	1. Enter a google auth registered email, 2.enter random password 3.click "Login" button	The system displays the error message " Please login using google "	PASS
TC-Login-008	Login success (valid email + strong password)	User is present on login page. (User must already have an account and browser must block 3rd party cookie)	1. Enter valid email address. 2. Enter valid password. 3. Click "Login" button.	User successfully logs in and is redirected to dashboard. And immediately logs out and redirects to home page.	FAIL

->same issue occurs for google login,sign up like TC-Login-008.

Google Login test cases :

Test Case ID	Test Case Scenario	Pre-conditions	Test Steps	Expected Result	Status
TC-Google-Login-001	Successful Google Login (New User/First Google Sign-in)	User has a valid Google account but no existing account in the system.	1. Click the "Continue with Google" button. 2. Select a Google account.	The user is successfully logged in and an account is created/linked, then redirected to the application's dashboard page.	PASS
TC-Google-Login-002	Google Login Attempt with Existing Normal Account (Conflict Test - Failure)	A valid user account exists in the database, registered via the Normal Login method (not Google).	1. Click the "Continue with Google" button, using the same email address as the existing normal account. 2. Select the corresponding Google account.	The system displays an error message, such as " User already exists with this email. Please login using email and password. "	PASS
TC-Google-Login-003	Successful Google Login (Existing Google Account User)	User has previously signed in via Google Login.	1. Click the "Continue with Google" button. 2. Select the linked Google	The user is successfully logged in and redirected to the application's dashboard page.	PASS

			account.		
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The Google Login bug was found, there was issue due to a **wrong middleware call** that expected a email field, causing user login to fail. The fix involved **correcting the middleware logic** to safely and explicitly extract the verified email address and user data from the full Google authentication payload. This resolved the login failure.
 This change was done and got all tests pass.

SignUp test cases :

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-Sign up-001	Successful Sign-up (All valid data, terms accepted)	User is on the Signup page.	<ol style="list-style-type: none"> Enter a unique valid name. Enter a unique valid email address. Enter a strong password. Re-enter the same strong password in "Confirm Password." Check the "Privacy Policy" button. Click "Sign Up" button. 	User account is successfully created and the system navigates to the OTP verification page.	PASS
TC-Sign up-002	Invalid Email Format	User is on the Signup page.	<ol style="list-style-type: none"> Enter valid data for Name, Password, and Confirm Password. For the Email field, systematically enter various 	Inline error message " Invalid email format. " is displayed and the Signup button remains disabled.	PASS

			<p>invalid formats one by one (e.g., test@.com, test@gmail, test@com, test@gmail..com, test@@gmail.com, email with non-standard/unsupported characters like 😊@gmail.com).</p> <p>3. Check the "Privacy Policy" button.</p> <p>4. Click "Sign Up" button. (Repeat for each invalid email example.)</p>		
TC-Sign up-003	Password Mismatch	User is on the Signup page.	<p>1.Enter a valid Name.</p> <p>2.Enter a valid Email.</p> <p>3.Enter a Password.</p> <p>4.Enter a different value in the "Confirm Password" field.</p> <p>5.Check the "Privacy Policy" checkbox.</p> <p>6.Click the "Sign Up" button.</p>	<p>Inline error message "Passwords do not match." is displayed and the Signup button remains disabled..</p>	PASS
TC-Sign up-004	Existing Email Registration (Negative Test)	User is on the Signup page.	<p>1.Enter a valid Name.</p> <p>2.Enter an Email that is already registered in the system.</p> <p>3.Enter a valid Password and</p>	<p>System displays an error message: "User already exists."</p>	PASS

			Confirm Password. 4.Check the “Privacy Policy” checkbox. 5.Click the “Sign Up” button.		
TC-Sign up-005	Name Field Empty or contain only space.(Boundary Test)	User is on the Signup page.	1.Leave the Name field blank(or type space). 2.Enter valid Email, Password, and Confirm Password values. 3.Check the “Privacy Policy” checkbox. 4.Click the “Sign Up” button.	Signup button remains disabled.	PASS
TC-Sign up-006	Privacy Policy Checkbox Not Selected (Negative Test)	User is on the Signup page.	1.Enter valid values in all fields (Name, Email, Password, Confirm Password). 2.Do not check the “Privacy Policy” checkbox. 3.Click the “Sign Up” button.	Signup button remains disabled until the Privacy Policy checkbox is selected..	PASS
TC-Sign up-007	Weak Password Entered	User is on the Signup page.	1.Enter a valid Name and Email. 2.Enter a weak Password (e.g., “abc”). 3.Enter the same weak password in Confirm Password. 4.Check the “Privacy Policy”	Signup button remains disabled and an inline error message is displayed indicating password strength requirements.	PASS

			checkbox. 5.Click "Sign Up".		
TC-Sign up-008	Name Contains Numbers or Special Characters	User is on the Signup page.	1.Enter a Name containing numbers or special characters (e.g., "gautam123&&"). 2.Enter valid Email, Password, and Confirm Password. 3.Check the "Privacy Policy" checkbox. 4.Click "Sign Up"	Signup button remains disabled and an inline error message is displayed: "Name should not contain numbers or special characters."	PASS
TC-Sign up-009	Password Fields Left Blank.	User is on the Signup page.	1.Enter a valid Name and Email. 2.Leave both Password and Confirm Password fields blank. 3.Check the "Privacy Policy" checkbox. 5.Click the "Sign Up" button.	Signup button remains disabled because Password fields are required.	PASS
TC-Sign up-010	Password Provided, Confirm Password Left Blank.	User is present on the sign-up page.	1. Enter valid data for Name and Email. 2. Enter a valid password in the "Password" field. 3. Leave the "Confirm Password" field blank. 4. Check the "Privacy Policy" button. 5. Click "Sign Up"	Signup button remains disabled.	PASS

			button.		
TC-Sign up-011	Email Case-Insensitivity Check (Negative/Critical Test)	User is present on the sign-up page. A user with the same email (e.g., test@gmail.com) is already registered.	1. Enter a valid Name. 2. Enter the same existing email but with an uppercase variant (e.g., Test@GMAIL.com). 3. Enter valid Password and Confirm Password. 4. Check the "Privacy Policy" button. 5. Click "Sign Up" button.	The system displays an error message: "User already exists."	PASS
TC-Sign up-012	Leading/Trailing Spaces in Inputs (Critical Boundary Test)	User is present on the sign-up page.	1. Enter a name with leading/trailing spaces (e.g., " gautam "). 2. Enter a valid email with leading/trailing spaces (e.g., " test@gmail.com "). 3. Enter a strong password with leading/trailing spaces (e.g., " Abcd@1234 "). 4. Check the "Privacy Policy" button. 5. Click "Sign Up" button.	The application should automatically trim leading and trailing spaces from all input fields (Name, Email, Password, Confirm Password). Since the trimmed values are valid, the user account is successfully created, and the system navigates to the OTP verification page.	PASS

TC-Sign up-013	Successful OTP Verification (Correct OTP)	User is on the OTP verification page with a valid, non-expired OTP sent to their email.	1. Enter the correct OTP into the input field. 2. Click the enabled "Verify OTP" button.	User account is successfully verified and the system redirects to the application's dashboard.	PASS
TC-Sign up-014	Failed OTP Verification (Incorrect OTP)	User is on the OTP verification page.	1. Enter an incorrect/invalid OTP (e.g., wrong digits, expired OTP) into the input field. 2. Click the enabled "Verify OTP" button.	The system displays an error message such as " Invalid OTP " or " OTP has expired. " The user remains on the OTP verification page	PASS
TC-Sign up-015	"Resend" Button Enablement/Functionality Check (Timer)	User is on the OTP verification page.	1. Don't enter OTP after 30 seconds, resend OTP button will be enabled. 2. Click on resend OTP.	The system re-sends OTP.	PASS
TC-Sign up-016	Weak Password Validation (Missing Complexity)	User is on sign-up page.	1. Enter a password that is missing either a capital letter, small letter, number, or special character (e.g., "password123").	The "Submit/Update" button is disabled , and the UI indicates the password is weak (shows missing requirements).	PASS

Dashboard Test Cases:

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-Dashboard-01	User trying to Access Dashboard(logged in user)	User is already logged in.	1. Login correctly or open dashboard link through a non-logout session.	User dashboard is displayed with User valuations, Trending Stocks, market gainers, losers, Portfolio valuation graph and user stock summary.	PASS
TC-Dashboard-02	User trying to access Dashboard without being logged in.	User is not logged in and has link or bookmark for the dashboard page.	1. Go to the bookmarked dashboard page without login.	User shouldn't be able to access the dashboard and should be redirected to homepage informing that he/she has to login.	PASS
TC-Dashboard-03	User trying to access the dashboard if his/her session has expired.	User should be logged in but the token must be expired or deleted.	1. Reload page or try to do anything on page.	User shouldn't be able to do anything and should be redirected to the homepage saying session expired.	PASS
TC-Dashboard-04	User trying to access dashboard with 0 holdings.	User should be logged in and on the dashboard page.	1. Load the dashboard page.	User's valuation portfolio valuation graph should be 0 and stock holdings and sector graph should be empty.	PASS

TC-Dash board-0 05	User changing the graph timeline.	User should be logged in and on the dashboard page.	<ol style="list-style-type: none"> 1. Load the dashboard page. 2. Change the graph time line to different timelines 30D, 6M, 1Y 	User's valuation portfolio valuation graph should change with respective x-axis Time changes smoothly without reloading.	PASS
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StockDetails Page Test Cases:

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-Stockdetails-001	User trying to Access Stockdetails page(logged in user)	User is already logged in.	1. Login correctly and search a stock and select a symbol.	User is redirected to StockDetails page and all details of stock should be visible to user.	PASS
TC-Stockdetails-002	User trying to access the Stock details page without being logged in.	User is not logged in and has a link or bookmark for a stock's detail page.	1. Go to the bookmarked page without login.	User shouldn't be able to access the page and should be redirected to homepage informing that he/she has to login.	PASS
TC-Stockdetails-003	User trying to access the stock details page if his/her session has expired.	User should be logged in but the token must be expired or deleted.	1. Reload page or try to do anything on page.	User shouldn't be able to do anything and should be redirected to the homepage saying session expired.	PASS
TC-Stockdetails-004	User trying to add the stock to his/her watchlist.	User should be logged in and on the stock details page.	1. Click on add to watch list button.	User should be prompted with "added to watchlist" for successful adding.	PASS

TC-Stoc kdetails- 005	User trying to add the stock to his/her watchlist that already exists without duplicating it in the watchlist.	User should be logged in and on the stock details page.	1. Click on add to watch list button.	User should be prompted with " added to watchlist " for successful adding but nothing should really be added in watchlist to avoid duplication.	PASS
TC-Stoc kdetails- 006	User trying to add the stock to his/her portfolio with a correct positive integer number of stocks.	User should be logged in and on the stock details page.	1. Click on the Add button. 2. Enter a positive Integer Quantity eg: 10. 3. Enter the Confirm button.	User should be prompted with " Transaction done of amount: " for successful adding that quantity of stock to the portfolio.	PASS
TC-Stoc kdetails- 007	User trying to add the stock to his/her portfolio with a negative integer number of stocks.	User should be logged in and on the stock details page.	1. Click on the Add button. 2. Enter a negative Integer Quantity eg: -10.	User shouldn't be able to enter a negative value.	PASS
TC-Stoc kdetails- 008	User trying to add the stock to his/her portfolio with a fractional number of stocks.	User should be logged in and on the stock details page.	1. Click on the Add button. 2. Enter a fractional Quantity eg: 10.2. 3. Enter the Confirm button.	User should be prompted with " Invalid Quantity entered. "	PASS

TC-Stoc kdetails- 009	User trying to remove the stock to his/her portfolio with a correct positive integer number of stocks less or equal to the quantity he/she has.	User should be logged in and on the stock details page.	<ol style="list-style-type: none"> 1. Click on the Remove button. 2. Enter a positive Integer Quantity less than or equal to the quantity of that stock user has. 3. Enter the Confirm button. 	User should be prompted with " Transaction done of amount: " for successful removal of that quantity of stock from the portfolio.	PASS
TC-Stoc kdetails- 010	User trying to remove the stock to his/her portfolio with a negative integer number of stocks.	User should be logged in and on the stock details page.	<ol style="list-style-type: none"> 1. Click on the Remove button. 2. Enter a negative Integer Quantity eg: -10. 	User shouldn't be able to enter a negative value.	PASS
TC-Stoc kdetails- 011	User trying to remove the stock to his/her portfolio with a fractional number of stocks.	User should be logged in and on the stock details page.	<ol style="list-style-type: none"> 1. Click on the Remove button. 2. Enter a fractional Quantity eg: 10.2. 3. Enter the Confirm button. 	User should be prompted with " Invalid Quantity entered. "	PASS
TC-Stoc kdetails- 012	User trying to remove more amount of stock than available.	User should be logged in and on the stock details page.	<ol style="list-style-type: none"> 1. Click on the Remove button. 2. Enter a valid Quantity greater than what the user has. 3. Enter the Confirm button. 	User doesn't get any message and in console,error is printed	FAIL

TC-Stockdetails-013	User changing the graph timeline.	User should be logged in and on the Stock details page of a stock.	<ol style="list-style-type: none"> 1. Load the Stock details page. 2. Change the graph time line to different timelines 1M,3M,6M,1Y 	Stocks price graph should change with respective x-axis Time changes smoothly without reloading.	PASS
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Forgot Password Backend Test Cases

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-Forgot-Password-001	Email Not Found (Unregistered User)	User is on the Forgot Password page.	<ol style="list-style-type: none"> Enter an email address that does not exist in the database. Click the "Send OTP" button. 	The system displays the error message: " User not found with this email address. "	PASS
TC-Forgot-Password-002	Google Authenticated User	User is on the Forgot Password page. User must have originally signed up using Google Auth.	<ol style="list-style-type: none"> Enter an email address associated with a Google Auth account. Click the "Send OTP" button. 	The system displays the error message: " Google authenticated users can't use forgot password feature. "	PASS
TC-Forgot-Password-003	Invalid OTP (Attempts Tracking)	User has entered a valid email and OTP has been sent. User is on the OTP verification screen.	<ol style="list-style-type: none"> Enter an incorrect OTP. Click "Verify". 	The system displays an error indicating invalid OTP and the remaining count, specifically: " 2 attempts left. "	PASS

TC-Forgot-Password-004	Invalid OTP for 3 attempts	User has entered a valid email and OTP has been sent. User is on the OTP verification screen.	<p>1. Enter an incorrect OTP.</p> <p>2. Click "Verify".</p> <p>Repeat step 1 and 2 more 3 times.</p>	At third time, The system displays an error indicating "OTP expired or invalid. Please request a new one."	PASS
TC-Forgot-Password-005	Valid OTP (Success Path)	User has entered a valid email and receives an OTP.	<p>1. Enter the correct valid OTP.</p> <p>2. Click "Verify".</p> <p>3. In popup,new password is entered that satisfies password constraints</p>	The system validates the OTP and displays the Reset Password popup to enter a new password.	PASS
TC-Forgot-Password-006	Weak Password Validation (Missing Complexity)	User has verified OTP and is on the Reset Password popup.	<p>1. Enter a password that is missing either a capital letter, small letter, number, or special character (e.g., "password123").</p>	The "Submit/Update" button is disabled , and the UI indicates the password is weak (shows missing requirements).	PASS

TC-Forgot-Password-007	Resend OTP functionality Check	User is on OTP page.	1. Do not enter OTP for 30 seconds.after it, resend OTP button will be enabled.	On resend OTP button click,new OTP is sent to mail.	PASS
TC-Forgot-Password-008	Null OTP check	User is on OTP page.	1.Without entering OTP,click on the verify OTP button.	Message "Email and OTP are required." is shown.	PASS

MyProfile

TC ID	Test Scenario	Pre-Conditions	Test Steps	Expected Result	Actual Result	Status
TC-MP-001	Upload Profile Picture (Supported)	User logged in	Click Change Photo > Select JPG/PNG	Image should upload and instantly update across all UI.	Image uploads to backend, but UI does not update until refresh.	PASS
TC-MP-002	Upload Unsupported File	User logged in	Click Change Photo	File picker should restrict selection to images only.	File picker restricts selection correctly.	PASS
TC-MP-003	Upload Large Image	User logged in	Select an image > 10MB	System should show error or prevent upload.	System prevents upload / shows error alert. But dosnt mention the upper limit for upload	PARTIAL PASS
TC-MP-004	Profile Picture Persistence	User logged in	Upload Image > Refresh Page	Updated image should remain visible.	Updated image persists after refresh.	PASS
TC-MP-005	Edit Name (Valid)	User logged in	Click Edit > Change Name > Save	Name should update instantly on UI.	Name updates in backend, but UI shows old name until refresh.	PASS
TC-MP-006	Name Input Validation	User logged in	Enter Special Characters (@#\$) OR Numbers (123)	Validation error should appear; Save blocked.	Validation error appears correctly for both cases.	PASS
TC-MP-007	Empty Fields Validation	User logged in	Clear Name input > Leave Empty	Save button should be disabled or error or alert shown.	Save button is can be pressed and it shows alert " name is required "& we cant save.	PASS

TC-MP-008	Name Trimming (Leading/Tailing)	User logged in	Enter Name (with spaces) > Save	System should auto-trim spaces before saving.	System saves the name with spaces. No trimming occurs.	PASS
TC-MP-009	Save Button Logic (Post-Save)	User logged in	Click Save	Save/Cancel buttons should disappear.	Buttons remain visible after successful save. (though it is saved only in backend so this test case clash with TC-MP-05)	PASS
TC-MP-010	Change Password (Normal Flow)	User logged in (Normal)	Enter valid Current, New, Confirm > Save	OTP Modal should appear.	OTP Modal appears correctly.	PASS
TC-MP-011	Change Password (Wrong Current)	User logged in	Enter wrong current password	Error message "Incorrect password".	Error message displayed correctly.	PASS
TC-MP-012	Change Password (Weak)	User logged in	Enter weak new password	Validation error "Password too weak".	Validation error displayed correctly.	PASS
TC-MP-013	Password Error Message Handling	User logged in	Enter Current Password (leave New/Confirm blank) > Click Save	System should not allow to press save button if it should be disabled or a error msg (e.g., "Fill empty fields").	System allows to press save button and displays "[object ,object]" alert. How can user understand what is error here.	PASS
TC-MP-014	OTP Modal - Continue	OTP Popup Open	Click "Continue"	Should process request and close modal.	Processes correctly.	PASS
TC-MP-015	OTP Modal - Resend	OTP Popup Open	Click "Resend"	Should resend OTP code.	Resends correctly.	PASS

TC-MP-016	OTP Modal - Cancel	OTP Popup Open	Click "Cancel"	Should close the popup.	Closes correctly.	PASS
TC-MP-017	Google User - Password UI Visibility	Logged in via Google	Navigate to Password Section	Password field should not be visible	Password field and edit button is visible and clickable.	PASS
TC-MP-018	Google User - Password Save Restriction	Logged in via Google	Enter passwords > Click Save	System should block save password.	System blocks the update correctly.	PASS
TC-MP-019	Investment Exp. Dropdown	User logged in	Change selection (e.g., Beginner)	Backend should update and persist.	UI changes but Backend fails to update. Reset on refresh.	PASS
TC-MP-020	Risk Profile Dropdown	User logged in	Change selection (e.g., High)	Backend should update and persist.	UI changes but Backend fails to update. Reset on refresh.	PASS
TC-MP-021	Financial Goal Dropdown	User logged in	Change selection	Backend should update and persist.	UI changes but Backend fails to update. Reset on refresh.	PASS
TC-MP-022	Investment Horizon Dropdown	User logged in	Change selection	Backend should update and persist.	UI changes but Backend fails to update. Reset on refresh.	PASS

DATA & PRIVACY

TC ID	Test Scenario	Pre-Conditions	Test Steps	Expected Result	Actual Result	Status
TC-DP-001	AI-Powered Insights & Suggestions	User logged in	Click toggle button > Save	Preference should save and reflect instantly.	Preference saved successfully.	PASS
TC-DP-002	Privacy Policy Link	User logged in	Click Privacy Policy	Privacy Policy page should open.	Opens Privacy Policy page correctly.	PASS

TC-DP-003	Terms & Conditions Link	User logged in	Click Terms & Conditions	Terms & Conditions page should open.	Opens Terms & Conditions page correctly.	PASS
TC-DP-004	Download Data Functionality	User logged in	Click Download My Data	File should download immediately OR clear message about email delivery.	System says: " Download shortly or delivered via email " but only sends email. (Message is ambiguous).	PARTIAL PASS
TC-DP-005	Download Data - Button Disable During Processing	User logged in, Data & Privacy page open	Click Download My Data once	Button should be disabled or show downloading till downloaded	Button disables and shows downloading state; user cannot trigger multiple requests.	PASS
TC-DP-006	Delete Account Popup	User logged in	Click Delete Account	Confirmation popup should appear.	Popup appears correctly.	PASS
TC-DP-007	Delete Account Popup Buttons	Delete popup open	Click Continue / Cancel	"Continue" proceeds with deletion; "Cancel" closes popup.	Both buttons function correctly.	PASS

PREFERENCES

TC ID	Test Scenario	Pre-Conditions	Test Steps	Expected Result	Actual Result	Status
TC-PR-001	THEME CHANGE	User logged in	Select theme from dropdown	Theme is saved	Theme is saved And shows theme which we selected but no visual change is there as no light theme is implemented till now	PASS
TC-PR-002	Dashboard Layout	User logged in	Select layout from dropdown	Layout is saved	Layout is saved	PASS

ACTIVITY

TC ID	Test Scenario	Pre-Conditions	Test Steps	Expected Result	Actual Result	Status
TC-AS-001	Sign Out Individual Device	User logged in	Click "Sign Out" next to a specific device	That device should be logged out and removed from the list.	Device logged out and removed correctly.	PASS
TC-AS-002	Sign Out All Devices	User logged in (multiple sessions)	Click "Sign Out from All Devices"	All devices should be logged out; list should clear.	All devices logged out correctly.	PASS
TC-AS-003	Active Sessions Display	User logged in multiple times	Open Activity & Session History	Should list devices with Browser, OS, and Timestamp.	Displays device details correctly.	PASS
TC-AS-004	Security Alerts Display	User logged in recently	Open Security Alerts section	Should show alerts (e.g., "New device logged in") with timestamp.	Alerts displayed correctly.	PASS
TC-AS-005	View More / View Less Alerts	>3 alerts available	Click "See More" / "See Less"	List should expand to show all alerts or collapse.	Expands and collapses correctly.	PASS
TC-AS-006	Activity History Display	User has recent activities	Open Activity History section	Should show list of activities with timestamp.	History displayed correctly.	PASS
TC-AS-007	Activity Report Download	User logged in	Click "Download Activity Report (PDF)"	Report should download/ sent to mail immediately OR show confirmation.	No UI confirmation shown. Report is sent via email only.	PARTIAL PASS

TC-AS-008	Download Activity Report - Multiple Clicks	User logged in, Activity page open	Click Download Activity Report (PDF) rapidly many times	System should prevent multiple parallel sends (debounce / disable button / rate-limit).	Every click triggers a new send; multiple activity reports are emailed with no restriction.	FAIL
TC-AS-009	Clear Activity History	Activity history present	Click "Clear Activity History"	History should clear and UI refresh immediately.	History clears and UI refreshes correctly.	PASS
TC-AS-010	Continuous Action Logging	User performs multiple actions	Refresh signout all devices/clear History	They should work if button are displayed	They work properly	PASS

Help&Support

TC ID	Test Scenario	Pre-Conditions	Test Steps	Expected Result	Actual Result	Status
TC-HS-001	Getting Started Guide Button	User logged in	Click "Getting Started Guide"	Popup should show guide and CTA button.	Popup displays correctly & button works.	PASS
TC-HS-002	How to Build Portfolio Button	User logged in	Click "How to Build Portfolio"	Popup should open with correct content & CTA.	Popup opens with correct content & CTA works.	PASS
TC-HS-003	Understanding AI Suggestions	User logged in	Click "Understanding AI Suggestions"	Popup modal with instructions and CTA should appear.	Modal shows correctly & CTA works.	PASS
TC-HS-004	Troubleshooting Issues	User logged in	Click "Troubleshooting Common Issues"	Modal should open with correct content (no CTA).	Modal works properly.	PASS
TC-HS-005	Close Popup Modal (Overlay)	Any popup open	Click outside the modal (overlay)	Modal should close.	Modal closes correctly.	PASS

TC-HS-006	Contact Support - Submit Valid	User logged in	Enter valid message > Click Submit Ticket	Gui response or alert for success	Shows Alert: "Support ticket submitted successfully!"	PASS
TC-HS-007	Contact Support - Empty Message	User logged in	Leave field empty > Click Submit Ticket	Alert for reminding to enter message.	Error alert appears correctly.	PASS
TC-HS-008	Contact Support - Character Limit	User logged in	Try typing >1000 characters	Input should stop accepting chars after 1000.	Restricts input at 1000 chars correctly.	PASS
TC-HS-009	Feedback - Submit Valid	User logged in	Enter feedback text > Click Send Feedback	Gui response or alert for success	Shows Alert: "Thank you for your feedback!"	PASS
TC-HS-010	Feedback - Empty	User logged in	Leave field empty > Click Send Feedback	Alert for reminding to enter feedback message.	Shows Alert: "Please enter feedback".	PASS
TC-HS-011	Feedback - Character Limit	User logged in	Try typing >1000 characters	Input should stop accepting chars after 1000.	Restricts input at 1000 chars correctly.	PASS
TC-HS-012	submitting-feedback repeatedly		Click on submit repeatedly	Should prevent spam / show rate limit or disable submit till earlier submit succeeds or fails	One alert shows submit succeeds. Rest n-1 submits alert shows couldn't submit. It stop submission to backend but one click doesn't disable button till submitted	FAIL
TC-HS-013	spaces as input		Insert only spaces as input	Should show validation error	Spaces are considered empty and validation works correctly.	PASS
TC-HS-014	Refresh-popup		Refresh page with popup open	Should close popup automatically	Popup closes on refresh correctly.	PASS

Sidebar Navigation common in across My Profile,Data & Privacy,Preferences,Help & Support

TC ID	Test Scenario	Pre-Conditions	Test Steps	Expected Result	Actual Result	Status
TC-SN-001	Sidebar Navigation Sync (Activity)	Updated Profile Pic	Navigate to Activity Page	Profile Picture/Name should be updated.	Shows Updated Data.	PASS
TC-SN-002	Sidebar Navigation Sync (Others)	Updated Profile Pic	Navigate to Help & Support/ Preferences / Data Privacy	Profile Picture/Name should be updated.	Shows OLD data.	PASS
TC-SN-003	Navbar Sync	Updated Profile Pic	Look at Top Navbar	Profile Picture/Name should be updated.	Shows OLD data.	PASS
TC-SN-004	Logout button	User Logged in	Click Logout button	User should be logged out and sent to Default Home page	User is logged out and sent to Home	PASS
TC-SN-005	Access pages without login	User is logged out	Go to directly at the links of all profile related pages	User should be redirected to login page	User is redirected	

Dashboard,Portfolio,Watchlist Page Navbar Test cases:

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-Nav-001	Unauthenticated Access	User is NOT logged in.	1. Attempt to navigate directly to Dashboard, Portfolio, or Watchlist URL.	User cannot access the navbar or pages; system redirects to the Login page.	PASS
TC-Search-001	Search Stocks - False Negative	User is on the Dashboard.	1. Enter a valid stock name in the search bar.	The system should display the matching stock list immediately or show a loading state. (Current Bug: First shows "No matching stocks found", then list appears).	FAIL
TC-Search-002	Navigate to Stock Details	User has searched for a stock and results are visible.	1. Click on a specific stock name from the search results.	The system redirects the user to the Stock Details page for the selected stock.	PASS

TC-Nav-002	Pinned Indices Interaction (Undefined Price)	User is on any page with the Navbar.	1. Click on any pinned stock/index in the Navbar (e.g., Nifty Bank, Nifty 50, S&P BSE SENSEX).	Pinned indices should NOT be clickable (static display). (Current Bug: It is clickable, leads to details page, and shows Price as "undefined").	FAIL
TC-Nav-003	Pinned Indices	User is currently viewing a specific Stock Details page (viewing a stock's price).	1. Click on any pinned index (e.g., Nifty 50) in the Navbar.	Pinned indices should NOT be clickable. (Current Bug: Takes the stock price/value from the previous stock page and displays it for the index).	PASS
TC-Watchlist-001	Add Stock to Watchlist	User is on the Watchlist page.	1. Search for a stock. 2. Click the Plus (+) icon on the result.	The stock is successfully added to the user's Watchlist.	PASS

Watchlist Page Test Cases:

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-WL-001	Add Stock via Navbar	User is on the Watchlist page.	<ol style="list-style-type: none"> Search for a stock in the main Navbar. Select the stock to add it. 	The stock is successfully added to the current watchlist view.	PASS
TC-WL-002	Duplicate Check (Add existing stock)	User has "Stock A" in the watchlist.	<ol style="list-style-type: none"> Search for "Stock A" in the Navbar again. Attempt to add it to the watchlist. 	The system prevents duplication; the stock appears only once in the list.	PASS
TC-WL-003	Remove Stock Functionality	User has stocks in the watchlist.	<ol style="list-style-type: none"> Click the "Remove" next to a stock. 	The stock is removed from the list.	PASS

TC-WL-004	Internal Search - Valid Match	User has multiple stocks in watchlist.	<p>1. Click into the Watchlist internal search bar.</p> <p>2. Type a substring of a Company Name or Symbol.</p>	The list filters to show only stocks matching the substring (Name or Symbol).	PASS
TC-WL-005	Internal Search - Negative/Invalid Criteria	User has stocks in watchlist.	1. Enter a price, a % change value, or a name with a spelling mistake.	The list should show "No results" or remain empty (Search strictly matches Name/Symbol substring only).	PASS
TC-WL-006	Filter Menu - Cancel/Close without Apply	User is on Watchlist with the Filter menu open.	<p>1. Select a filter value (e.g., "Mid Cap").</p> <p>2. Click the "Close" (X) button on the menu <i>without</i> clicking "Apply".</p>	The filter state is discarded; the list remains unfiltered/unchanged.(but here filter state is not discarded and list remains same)	FAIL

TC-WL-007	Filter Logic Validation (Comprehensive)	User has a diverse set of stocks.	<p>1. Apply filters individually:</p> <ul style="list-style-type: none"> -Gainers/Losers (value & %) - Price Range (From-To) - Market Cap (Small, Mid, Large) - Sector 	The watchlist accurately filters the view to show only stocks meeting the selected criteria.	PASS
TC-WL-008	Sort Functionality	User has stocks in watchlist.	<p>1. Apply Sort: Price (Low-High / High-Low).</p> <p>2. Apply Sort: % Change (Low-High / High-Low).</p>	The stocks reorder correctly based on the selected metric and direction.	PASS
TC-WL-009	Empty Watchlist State	User removes all stocks.	1. Remove every stock from the list.	The system displays the message: "nothing in this watchlist yet."	PASS

TC-WL-010	Remove already removed stocks from watchlist.	User clicks remove on a stock.	<p>1. Click remove on a stock.</p> <p>2. stock is removed from backend but not from frontend.</p> <p>3. next time, try to remove that stock, backend tells that this stock is not there.</p>	<p>Expected: Stock disappears immediately from UI.</p> <p>Actual: Stock remains visible on UI, but is deleted from Backend. actions fail.</p>	FAIL
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Portfolio Page Blackbox Test Cases:

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-P F-00 1	Unauthenticated Access	User is NOT logged in.	1. Attempt to navigate directly to the Portfolio page URL.	User is redirected to Login page.	PASS
TC-P F-00 2	Graph Filter Interaction	User is on the Portfolio page.	1. Click on "30D". 2. Click on "6M". 3. Click on "1Y".	The graph updates over the selected time range.	PASS
TC-P F-00 3	Tab Navigation (Data Views)	User is on the Portfolio page.	1. Click "Summary" tab. 2. Click "Holdings" tab. 3. Click "Fundamentals" tab.	The data table below the tabs changes content to match the selected category.	PASS

TC-P F-00 4	Add Stocks Workflow	User is on the Portfolio page.	<p>1. Click "Add Stocks" button.</p> <p>2. Search for a stock in the opened search bar.</p> <p>3. Click on a specific stock result.</p> <p>Or click on name of stock.</p>	<p>Search bar opens; clicking a result redirects the user to the Stock Details Page for that stock.</p>	PASS
TC-P F-00 5	New User	A new user account with no prior transactions.	<p>1. Login as new user.</p> <p>2. Navigate to Portfolio page.</p> <p>3. Observe financial values and risk label.</p>	<ul style="list-style-type: none"> - Total Portfolio Value: 0 - Total Invested: 0 - Portfolio Risk Label: "Unknown" 	PASS

AI Insights (Chatbot) Test Cases:

Test Case ID	Description	Pre-conditions	Test Steps	Expected Result	Status
TC-A I-001	Unauthenticated Access	User is NOT logged in.	1. Attempt to access the AI Insights page/feature.	User is redirected to the Login page.	PASS
TC-A I-002	UI Interaction - Sidebar	User is logged in and on AI Insights page.	1. Click the "Hide Sidebar" button. 2. Click the "Unhide/Show Sidebar" button.	The sidebar successfully toggles between hidden and visible states.	PASS
TC-A I-003	Ask AI chatbot irrelevant questions	User is in the chat interface.	1. Ask a non-finance question (e.g., "How to bake a cake?" or "Who won the football match?").	System refuses to answer and replies: "I'm specialized in finance, stock market, and investment-related topics. Please ask something in that area!"	PASS

TC-A I-004	Valid Domain Query	User is in the chat interface.	1. Ask a general finance question (e.g., "What is a PE Ratio?").	System provides a correct and relevant financial explanation.	PASS
TC-A I-005	Ask to do a work in website.	User is in the chat interface.	1. Ask the AI to perform a system action (e.g., "Add TCS to my watchlist" or "Buy 10 shares").	Expected: System should state it cannot perform actions, only provide advice. Actual: System hallucinates (claims it did it or provides misleading confirmation without performing the action).	FAIL
TC-A I-006	Portfolio Analysis - New User (Empty)	User is a newly registered user with 0 stocks.	1. Ask "Analyze my portfolio".	System correctly identifies the empty state: "It looks like there's currently no data in your portfolio, so there's nothing for me to analyze just yet."	PASS

TC-A I-007	Context Retention - Stale Memory	User had stocks, chatted about them, then deleted all stocks (Portfolio is now empty).	1. Ask "Analyze my portfolio" again in the same session.	Expected: System should see the portfolio is now empty. Actual: System analyzes the portfolio based on previous memory (deleted stocks), ignoring the current empty state.	FAIL
TC-A I-008	Context Window Limits (Token Error)	User has a long chat history or large portfolio data.	1. Update portfolio (add/remove stocks). 2. Ask "Analyze updated portfolio".	Expected: System refreshes context and analyzes new data. Actual: after too much waiting time,it just prints title.	FAIL