



AegisSecure

GUI Testing (Manual)

Subject: GUI Testing

Project: AegisSecure (Software Engineering IT314)

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Sign Up Test Cases (TC_SIGNUP)

Module: Sign Up

ID	Scenario	Test Steps	Expected Result	Status
TC_SIGNUP_01	Verify signup with valid inputs	Enter valid name, valid email, strong password, matching confirm Password, check Terms checkbox, click SIGN UP	User successfully registered and redirected to SignIN page	PASS
TC_SIGNUP_02	Leave Full Name empty	Leave name empty, fill other fields, click SIGN UP	"Please enter your name" validation message	PASS
TC_SIGNUP_03	Enter name longer than 50 chars	Type 60 characters in Full Name field	Input should stop at 50 characters	PASS
TC_SIGNUP_04	Leave Email empty	Leave email empty click SIGN UP	"Please enter your email" message	PASS
TC_SIGNUP_05	Enter invalid email format	Type emails like "abc@", "test.com", click SIGN UP	"Enter valid email address" validation	FAIL
TC_SIGNUP_06	Use registered email	Enter an email already registered, click SIGN UP	"The Email is already registered" message	PASS
TC_SIGNUP_07	Leave Password empty	Keep password field empty, click SIGN UP	"Password does not meet all requirements" validation	PASS
TC_SIGNUP_08	Enter weak/short password	Enter a short password like "12345", click SIGN UP	"Password does not meet all requirements" validation	PASS
TC_SIGNUP_09	Mismatched passwords	Enter password and confirm password differently, click SIGN UP	"Passwords do not match" message	PASS
TC_SIGNUP_10	Leave Confirm Password empty	Leave confirm password empty click SIGN UP	"Please Confirm Your Password" validation	PASS
TC_SIGNUP_11	Check show/hide password icon	Tap eye icon in Password and Confirm Password fields	Password should toggle visibility	PASS
TC_SIGNUP_12	Try signing up without checking checkbox	Fill all fields, don't check the checkbox, click SIGN UP	"Please agree to the terms and conditions"	PASS
TC_SIGNUP_13	Verify Sign In link	Click SIGN IN	Should redirect to Login Page	PASS

Video for GUI testing of Sign Up module: [\[Click Here to Watch\]](#)

Login Test Cases (TC_LOGIN)

Module: Login

ID	Scenario	Test Steps	Expected Result	Status
TC_LOGIN_01	Verify login works with valid inputs	Enter valid email, enter valid password, tap SIGN IN	User should successfully log in and navigate to dashboard	PASS
TC_LOGIN_02	Leave email empty and try to login	Keep email field empty then enter password then tap SIGN IN	"Please Enter your Email" validation message should appear	PASS
TC_LOGIN_03	Leave password empty	Enter valid email then keep password field empty then tap SIGN IN	"Please Enter your Password" validation message should appear	PASS
TC_LOGIN_04	Try logging in with empty fields	Leave both fields empty then tap SIGN IN	Validation messages should show for both fields	PASS
TC_LOGIN_05	Enter email in incorrect format	Enter invalid emails then tap SIGN IN	"Please verify your email before logging in" message	PASS
TC_LOGIN_06	Try logging in with unregistered email	Enter an email that is not registered, enter password, tap SIGN IN	"Invalid Email or password" message should appear	PASS
TC_LOGIN_07	Enter incorrect password	Enter valid email then enter wrong password then tap SIGN IN	"Invalid Email or password" error should appear	PASS
TC_LOGIN_08	Check hide/show password icon	Tap the eye icon in password field	Password should toggle between visible and hidden	PASS
TC_LOGIN_09	Verify Forgot Password? link	Tap "Forgot Password?"	User should be redirected to Change password Page	PASS
TC_LOGIN_10	Test SIGN IN button visual behavior	Observe button color, press animation, text visibility	Button should show proper animation, be clearly visible	PASS
TC_LOGIN_11	Verify Sign Up link	Tap "SIGN UP" below "Don't have an account?"	Should redirect to the Sign Up page	PASS
TC_LOGIN_12	Test "Verify your email" link	Tap the "Verify your email" text	Should navigate to email verification screen	PASS
TC_LOGIN_13	Verify UI layout alignment	Observe spacing, margins, alignment of fields, logo, buttons	UI should be clean, centered, and properly spaced	PASS
TC_LOGIN_14	Check keyboard behavior on mobile	Tap email field, keyboard appears, tap password field	Password field remains visible, screen shifts up if needed	PASS

Video for GUI testing of Login module: [\[Click Here to Watch\]](#)

Home Test Cases (TC_HOME)

Module: Home Dashboard

ID	Scenario	Test Steps	Expected Result	Status
TC_HOME_01	Check total analyzed messages count	Log in, navigate to Home, observe "Messages Analyzed"	Total count visible, centered, and accurate	PASS
TC_HOME_02	Ensure donut chart loads properly	Navigate to Home page observe the donut chart	Chart appears clearly with correct segments and colors	PASS
TC_HOME_03	Filter chart and stats by Mail only	Tap "Mail" filter option	Chart and count values should update for Mail data only	PASS
TC_HOME_04	Filter chart and stats by SMS	Tap "SMS" filter option	Chart and statistics should update for SMS data only	PASS
TC_HOME_05	Display combined analysis	Tap "Both" filter option	Chart and statistics should show combined values	PASS
TC_HOME_06	Check Secure category count	Navigate to Home page check Secure count	Secure count should be accurate and clearly visible	PASS
TC_HOME_07	Check Suspicious category count	Navigate to Home page then observe Suspicious count	Suspicious count should be correct and visible	PASS
TC_HOME_08	Verify Threat count	Open Home page check Threat count	Threat count should be displayed accurately	PASS
TC_HOME_09	Validate Critical category count	Navigate to Home page check Critical count	Critical count should be correct and clearly shown	PASS
TC_HOME_10	Check hamburger menu functionality	Tap the three-line menu icon	Sidebar menu should slide open	PASS
TC_HOME_11	Check profile icon behavior	Tap the profile icon	Should navigate to profile screen	PASS
TC_HOME_12	Check Home icon functionality	Tap the Home icon	Should remain on or reload Home page	PASS
TC_HOME_13	Verify navigation to messages page	Tap the message/envelope icon	Should navigate to messages or inbox page	PASS
TC_HOME_14	Check alignment of all UI elements	Inspect donut chart, labels, filters, insights section	All elements should be aligned properly with no overlap	PASS
TC_HOME_15	Check if colors follow app theme	Observe chart colors, buttons, insights box, background	Colors should be consistent and visually clear	PASS

Video for GUI testing of Home Dashboard module: [\[Click Here to Watch\]](#)

Email Test Cases (TC_EMAIL)

Module: Email Inbox

ID	Scenario	Test Steps	Expected Result	Status
TC_EMAIL_01	Ensure email list appears correctly	Log in then navigate to Inbox page	Emails load with sender, subject, preview, timestamp	PASS
TC_EMAIL_02	Check visibility of sender name	Observe sender name for each email	Sender name should be clearly visible and readable	PASS
TC_EMAIL_03	Check subject visibility in list	Inspect the subject text in each email item	Subject displayed correctly without overlapping	PASS
TC_EMAIL_04	Ensure preview text appears clearly	Look at message preview text below subject	Preview should be properly truncated and readable	FAIL
TC_EMAIL_05	Validate low-risk email color	Identify emails with green badge	Emails with low score should have green badge	PASS
TC_EMAIL_06	Test email search functionality	Tap search icon then type sender name or subject	Email list should filter according to entered text	PASS
TC_EMAIL_07	Check smooth scroll behavior	Scroll up and down in the inbox	Scrolling should be smooth with no lag	PASS
TC_EMAIL_08	Check Profile icon functionality	Tap Profile icon (implied step)	Should navigate to profile (implied)	PASS
TC_EMAIL_09	Ensure long subjects truncated	Find an email with a long subject	Subject should not overlap or break UI	PASS
TC_EMAIL_10	Ensure email icon stays on inbox	Tap the bottom navigation email icon	Should remain on current Email Inbox page	PASS
TC_EMAIL_11	Check navigation to Home screen	Tap the Home icon	Should navigate to Home Dashboard	PASS

Video for GUI testing of Email Inbox module: [\[Click Here to Watch\]](#)

Manual Text Analysis Test Cases (TC_MANUAL)

Module: Manual Text Analysis

ID	Scenario	Test Steps	Expected Result	Status
TC_MANUAL_01	Check if popup appears when triggered	Tap Manual Text Analysis option from Inbox page	Popup should open and be centered	PASS
TC_MANUAL_02	Ensure title is visible	Open popup then observe title text	Title "Manual Text Analysis" bold and clear	PASS
TC_MANUAL_03	Check the close (X) button	Tap the close icon	Popup should close and return to Inbox page	PASS
TC_MANUAL_04	Ensure input box is displayed	Open popup, check for "Enter text..." placeholder	Input box should be visible, large, and editable	PASS
TC_MANUAL_05	Test Cancel button	Open popup, tap Cancel	Popup should close and return to Inbox page	PASS
TC_MANUAL_06	Check if placeholder is readable	Open popup, check placeholder text	Placeholder visible, disappears when typing	PASS
TC_MANUAL_07	Check popup background blur	Open popup, observe faded Inbox behind it	Background should dim so popup stands out	PASS
TC_MANUAL_08	Ensure popup content fits screen	Try scrolling inside the popup	Popup should not scroll, only text box scrolls	PASS
TC_MANUAL_09	Check button visuals	Observe Analyze button style	Button has blue background with white text	PASS
TC_MANUAL_10	Check popup scaling	Rotate device or test on different screen sizes	Popup should remain centered and properly scaled	FAIL

Video for GUI testing of Manual Text Analysis module: [\[Click Here to Watch\]](#)

SMS Test Cases (TC_SMS)

Module: SMS

ID	Scenario	Test Steps	Expected Result	Status
TC_SMS_01	Ensure SMS list appears correctly	Open app → navigate to SMS Home Page	All SMS messages should load with sender name, preview text, and timestamp	PASS
TC_SMS_02	Check if sender name is clearly visible	Observe each SMS card's sender field	Sender name should be correctly displayed and readable	PASS
TC_SMS_03	Verify preview text visibility	Check SMS card for 1–2 line preview	Preview should not be overlapping or cut off abruptly	PASS
TC_SMS_04	Check message time shown	Look at timestamp on each SMS card	Time should be accurate and visible on the right side	PASS
TC_SMS_05	Check if color-coded risk badges appear	Observe badge on right side of each SMS	Badge should show score with correct color (green/orange/red)	PASS
TC_SMS_06	Ensure high-risk SMS is highlighted	Look for SMS with high score (e.g., 85.00)	High-risk SMS should be clearly visible with red badge	PASS
TC_SMS_07	Check low-risk SMS representation	Observe SMS cards with green badges	Low-risk messages should appear with proper green badge	PASS
TC_SMS_08	Check hamburger menu button	Tap the three-line menu on the top left	Navigation drawer/side menu should open	PASS
TC_SMS_09	Test search icon functionality	Tap search icon → type sender name/number	SMS list should filter based on search	PASS
TC_SMS_10	Check message opening behavior	Tap on any SMS card	Full SMS detail page should open	PASS
TC_SMS_11	Check scrolling through SMS list	Scroll from top to bottom	Smooth scrolling with no lag	PASS
TC_SMS_12	Check preview handling of long SMS	Look at SMS with long preview text	Text should be truncated properly without UI break	PASS
TC_SMS_13	Check icon color circle beside sender	Observe color-coded sender icons	Icon color should match SMS category or sender logic	PASS
TC_SMS_14	Ensure SMS tab icon works	Tap the envelope icon in bottom navigation	Should remain on SMS Home Page	PASS
TC_SMS_15	Check navigation back to Home page	Tap the Home icon	Should navigate to Home Dashboard	PASS

Video for GUI testing of SMS module: [\[Click Here to Watch\]](#)

Forgot Password Test Cases (TC_FORGOTPASS)

Module: Forgot Password

ID	Scenario	Test Steps	Expected Result	Status
TC_FORGOT_01	Check "Forgot Password" title	Navigate to Forgot Password page	Title should be clearly visible at the top	PASS
TC_FORGOT_02	Ensure back arrow works	Tap back arrow on top-left	Return to previous screen (Login page)	PASS
TC_FORGOT_03	Check if email field appears	Open Forgot Password screen	Email textbox visible with placeholder "Email"	PASS
TC_FORGOT_04	Ensure field allows typing	Tap inside email field then type email	Text should appear inside input field	PASS
TC_FORGOT_05	Test invalid email validation	Enter invalid emails then tap Send OTP	Error should show "Enter valid email"	PASS
TC_FORGOT_06	Check OTP sending process	Enter valid email then tap Send OTP	OTP sent, redirected to Verification screen	PASS
TC_FORGOT_07	Ensure button styling is correct	Observe Send OTP button	Button visible, aligned, text readable	PASS
TC_FORGOT_08	Test unregistered email behavior	Enter unregistered email, tap Send OTP	Should show "Email not found" message	PASS
TC_FORGOT_09	Ensure UI correctly aligned	Inspect title, email box, description, button	All elements aligned without overlap	PASS
TC_FORGOT_10	Verify successful OTP and Nav	Enter valid email, OTP, verify, update password	Redirect to Change Password, update successful	PASS

Video for GUI testing of Forgot Password module: [\[Click Here to Watch\]](#)

Account Test Cases (TC_ACCOUNT)

Module: Account

ID	Scenario	Test Steps	Expected Result	Status
TC_ACCOUNT_01	Ensure account page loads	Tap profile icon from any screen	Account screen should open with details	PASS
TC_ACCOUNT_02	Check back arrow functionality	Tap back arrow on top-left	User should return to the previous screen	PASS
TC_ACCOUNT_03	Ensure profile image visible	Observe circular profile image	Profile icon with background visible	PASS
TC_ACCOUNT_04	Check camera icon functionality	Tap camera icon on the profile image	Options like camera/gallery should open	PASS
TC_ACCOUNT_05	Ensure user email displayed	Observe email text below profile picture	Email should be accurate and readable	PASS
TC_ACCOUNT_06	Ensure Change Password visible	Observe the blue button	Button should be clearly visible and centered	PASS
TC_ACCOUNT_07	Check button opens screen	Tap the Change Password button	Taken to Forgot/Change Password screen	PASS
TC_ACCOUNT_08	Ensure Sign Out button displayed	Scroll or observe orange button	Sign Out button visible, centered, readable	PASS
TC_ACCOUNT_09	Check logout process	Tap Sign Out button	Logged out and redirected to Login screen	PASS
TC_ACCOUNT_10	Ensure settings icon visible	Observe top-right settings icon	Settings icon clearly visible and aligned	PASS
TC_ACCOUNT_11	Check settings icon opens screen	Tap the settings icon	Settings page should open	PASS
TC_ACCOUNT_12	Check alignment of elements	Inspect profile picture, name, email, buttons	Elements aligned properly without overlap	PASS

Video for GUI testing of Account module: [\[Click Here to Watch\]](#)

Mail Inbox Information (TC_MAILINFO)

Module: Mail Info

ID	Scenario	Test Steps	Expected Result	Status
TC_MAILINFO_01	Ensure mail info page loads	Tap on email avatar/profile from inbox	Screen opens with email, name, options	PASS
TC_MAILINFO_02	Ensure back arrow works	Tap the back arrow in top-left	Should navigate back to email inbox	PASS
TC_MAILINFO_03	Ensure X icon closes screen	Tap the X icon	Screen closes, return to previous screen	PASS
TC_MAILINFO_04	Ensure email displayed	Observe the email address at top	Email should be visible, readable, accurate	PASS
TC_MAILINFO_05	Check if user name is shown	Observe the text under profile icon	Name should be visible and correctly formatted	PASS
TC_MAILINFO_06	Ensure manage account button	Look below the user name	Button should be visible	PASS
TC_MAILINFO_07	Ensure switch account UI	Scroll to Switch account section	Section header and account list appear	PASS
TC_MAILINFO_08	Ensure active account highlight	Observe selected account tile	Current account tile highlighted (blue)	PASS
TC_MAILINFO_09	Check account addition process	Tap "Add another account"	Navigated to account setup/add email screen	PASS
TC_MAILINFO_10	Ensure delete icon displayed	Observe trash/delete icon on account tile	Delete icon visible and properly aligned	PASS
TC_MAILINFO_11	Ensure user can delete account	Tap delete icon then confirm	Account should be removed from list	PASS
TC_MAILINFO_12	Ensure confirmation prompt	Tap delete icon	Confirmation popup appears before removing	PASS

Video for GUI testing of Mail Info module: [\[Click Here to Watch\]](#)