NU DASMARIÑAS

Capstone Title:	**InsecurityFree: Image Processing Utilization for Personal Glow-Up Assistance**
Written By:	Baltazar, Viergil S. Carrera, Venniel. A. Cortes, Raphael Ivan L. Espere, Zedrick. C.
Written Date:	Oct 10, 2025
Test Case Description:	**Mobile System** **Software Progress Test Cases (76%-100%)**
Testers:	**Mr. Michael C. Galo** **Mr. Elmer M. Aliño**

Test Conditions		Date:	
Total Test Case:	153	Rating:	
Pass:			
Fail:			

Test Case Scenario ID	Name of the Module Function	Test Case Scenario	Action	Actual Input	Pass	Fail	Comments/ Suggestions
WW-001	Registration Module	User successfully registers with valid credentials	1. Visit the Register page. 2. Fill out all fields correctly. 3. Check Terms & Conditions box. 4. Click **Create account**. 5. Wait for alert "Registration successful! Please log in to continue."	First Name: *John* Last Name: *Doe* Email: *johndoe@example.com* Password: *John1234* Confirm Password: *John1234* Age: *22*			

ID	Module	Objective	Steps	Test Data			
			6. System redirects to login page.	Gender: *Male*			
WW-002	Registration Module	Redirects to Login page after successful registration (user not auto-logged in)	1. Successfully register an account. 2. Click **OK** on alert. 3. Observe redirect to `/login` page.	After successful registration			
WW-003	Registration Module	Display validation message when fields are empty	1. Visit Register page. 2. Leave all fields blank. 3. Click **Create account**..	Empty form submission			
WW-004	Registration Module	Display validation message when First Name or Last Name is missing	1. Fill out other fields but leave First Name or Last Name empty. 2. Click **Create account**.	First Name: *(empty)* Last Name: *Doe*			
WW-005	Registration Module	Prevent registration if email field is empty	1. Leave email field empty. 2. Click **Create account**.	Email: *(empty)*			
WW-006	Registration Module	Prevent registration if password is weak	1. Enter password without uppercase or numbers. 2. Click **Create account**. 3. Observe message: "Password must be at least 8 characters, include an uppercase letter, a number, and a letter."	Password: *password*			
WW-007	Registration Module	Prevent registration if Confirm Password does not match Password	1. Enter password and a different confirm password. 2. Click **Create account**.	Password: *John1234* Confirm Password: *John4321*			
WW-008	Registration Module	Display validation message when Age is empty	1. Leave Age field blank. 2. Click **Create account**.	Age: *(empty)*			
WW-009	Registration Module	Display validation message when Gender is not selected	1. Leave Gender dropdown unselected. 2. Click **Create account**.	Gender: *(empty)*			

		Registration Module	Prevent registration if Terms & Conditions is not agreed	1. Leave Terms checkbox unchecked. 2. Click **Create account**.	Agree checkbox: *unchecked*			
WW-010								
WW-011		Registration Module	Show Terms and Conditions modal	1. Click the **Terms & Conditions** text link. 2. Observe modal appearing with Agree and Decline options.	Click **Terms & Conditions**			
WW-012		Registration Module	Check for duplicate email	1. Enter an email already registered in the system. 2. Submit form.	Email: existing@example.com			
WW-013								
WW-014		Registration Module	Close Terms modal and auto-check agreement on "Agree"	1. Click **Terms & Conditions**. 2. Click **Agree** in modal. 3. Checkbox becomes checked automatically.	Click **Agree** button			
WW-015		Registration Module	Toggle password visibility	1. Click **eye icon** in password and confirm password fields. 2. Observe text becomes visible.	Click **Eye icon**			
WW-016		Registration Module	Navigate to Login page from Register page	1. Click **Log In** beside "Already have an account?". 2. System navigates to Login screen	Click **Log In** link			
WW-017	Login Module		User successfully logs in with correct credentials	1. Visit the login page. 2. Enter valid email and password. 3. Click **Sign in**. 4. Observe redirect to landing page.	Email: *johndoe@example.com* Password: *John1234*			
WW-018	Login Module		Newly registered users redirects to intro page	1. Log in using a new user account. 2. Observe that system redirects to introduction page after login.	Email: *newuser@example.com* Password: *NewUser123!*			

WW-019	Login Module	Prevent login with incorrect credentials	1. Enter a wrong email or password. 2. Click **Sign in**. 3. Observe toast error "Invalid login credentials."	Email: *wrong@example.com* Password: *WrongPass!*			
WW-020	Login Module	Prevent login with empty fields	1. Leave both fields blank. 2. Click **Sign in**. 3. Observe browser shows required field message.	Empty form			
WW-021	Login Module	Remember Me checkbox toggles state	1. Click the **Remember Me** checkbox. 2. Observe it toggles between checked and unchecked	Click checkbox			
WW-022	Login Module	Navigate to registration page	1. Click **Sign up** beside "Don't have an account?". 2. Observe redirect to registration page	Click **Sign up** link			
WW-023	Login Module	Prevent inserting duplicate user data	1. Log in multiple times with the same verified account. 2. Observe no duplicate entries in user and user details tables.	Email: *existing@example.com* Password: *Existing123!*			
WW-024	Welcome Page Module	Click "User Dashboard" feature card	1. Click the "User Dashboard" card under Core Features. 2. Observe if it redirects to Login page.	Click User Dashboard card			
WW-025	Welcome Page Module	Click "Identify Skin Type" feature card	1. Click the "Identify Skin Type" card. 2. Observe if it redirects to Download page.	Click Identify Skin Type card			
WW-026	Welcome Page Module	Click "Create Routine" feature card	1. Click the "Create Routine" card. 2. Observe if it redirects to Login page.	Click Create Routine card			
WW-027	Welcome Page Module	Click "Product Management" feature card	1. Click the "Product Management" card. 2. Observe if it redirects to Login page.	Click Product Management card			

WW-028	Welcome Page Module	Click "Download Now" button	1. Scroll to "Download Our Mobile App" section. 2. Click "Download Now". 3. Observe if it redirects to Download page.	Click Download Now button			
WW-029	Welcome Page Module	Click "Go to Dashboard" button	1. Scroll to "Comprehensive Dashboard" section. 2. Click "Go to Dashboard". 3. Observe if it redirects to Login page.	Click Go to Dashboard button			
WW-030	Welcome Page Module	Click "Get the App" button	1. Scroll to "Advanced Skin Analysis" section. 2. Click "Get the App". 3. Observe if it redirects to Download page.	Click Get the App button			
WW-031	Welcome Page Module	Click "Browse Products" button	1. Scroll to "Personalized Product Recommendations" section. 2. Click "Browse Products". 3. Observe if it redirects to Login page.	Click Browse Products button			
WW-032	Welcome Page Module	Click "Build Your Routine" button	1. Scroll to "AI-Powered Routine Builder" section. 2. Click "Build Your Routine". 3. Observe if it redirects to Login page.	Click Build Your Routine button			
WW-033	Navbar Module	Click "Home" menu item	1. Click "Home" in the top navigation bar. 2. Observe if it redirects to Home page.	Click Home link			
WW-034	Navbar Module	Click "Dashboard" menu item	1. Click "Dashboard" in the navigation bar. 2. Observe if it redirects to Login page.	Click Dashboard link			

WW-035	Navbar Module	Click "About Us" menu item	1. Click "About Us" in the navigation bar. 2. Observe if it redirects to About page.	Click About Us link			
WW-036	Navbar Module	Click "Legal and FAQs" menu item	1. Click "Legal and FAQs" in the navigation bar. 2. Observe if it redirects to Legal page.	Click Legal and FAQs link			
WW-037	Navbar Module	Click "Login" button on desktop	1. On desktop view, click the "Login" button on the right side of navbar. 2. Observe if it redirects to Login page.	Click Login button			
WW-038	Navbar Module	Open mobile menu	1. On mobile view, tap the menu (≡) icon. 2. Observe if the menu expands showing all items.	Tap menu icon			
WW-039	Navbar Module	Close mobile menu	1. Tap the "X" icon on the mobile menu. 2. Observe if the menu closes properly.	Tap close (X) icon			
WW-040	Sidebar Navigation	Toggle sidebar between expanded and collapsed view (desktop)	Click the sidebar toggle button on desktop view.	Click toggle button			
WW-041	Sidebar Navigation	Open sidebar in mobile view	1. Open app on mobile width (<768px). 2. Click menu icon.	Tap menu icon			
WW-042	Sidebar Navigation	Close sidebar in mobile view	Click anywhere outside the sidebar overlay.	Tap outside sidebar			
WW-043	Sidebar Navigation	Expand submenu under "Comprehensive Analysis"	Click "Comprehensive Analysis".	Click menu item			

WW-044	Sidebar Navigation	Collapse submenu under "Comprehensive Analysis"	Click "Comprehensive Analysis" again while submenu is open.	Click menu item again			
WW-045	Sidebar Navigation	Navigate to Dashboard	Click "Dashboard" on sidebar.	Click Dashboard link			
WW-046	Sidebar Navigation	Navigate to My Skin Type page	Click "My Skin Type" on sidebar.	Click My Skin Type link			
WW-047	Sidebar Navigation	Navigate to My Routines page	Click "My Routines" on sidebar	Click My Routines link			
WW-048	Sidebar Navigation	Navigate to My Products page	Click "My Products" on sidebar.	Click My Products link			
WW-049	Sidebar Navigation	Navigate to My Profile page	Click "My Profile" on sidebar.	Click My Profile link			
WW-050	Sidebar Navigation	Log out of the account	Click the Logout button at the bottom of the sidebar.	Click Logout button			
WW-051	Routines Module	Display user routines after login	1. Log in with a valid account. 2. Navigate to Routines page. 3. Observe existing routines displayed under their categories.	Logged-in user with routines			
WW-052	Routines Module	Add a new routine successfully	1. Click **Add Routine**. 2. Fill in routine name, type, time, and steps. 3. Click **Save Routine**.	Routine name: *Morning Glow*			

WW-053	Routines Module	Edit an existing routine	1. Click the **Edit** (✏️) icon beside an existing routine. 2. Update details. 3. Click **Save Routine**.	Update duration or add step			
WW-054	Routines Module	Delete a routine successfully	1. Click the **Delete** (🗑️) icon. 2. Confirm in the popup. 3. Observe routine removed from list..	Click delete confirmation			
WW-055	Routines Module	Show "No routine yet" message	1. Log in with a new account with no routines. 2. Observe empty-state message with "Add Routine" button.	User with no routines			
WW-056	Routines Module	Toggle routine section visibility	1. Click the dropdown (Chevron) on "Morning Routine". 2. Observe the section collapses or expands.	Click Chevron icon			
WW-057	Routines Module	Product details displayed correctly	1. Add a step using a known product. 2. Observe type, area, and body Part displayed properly.	Add a product inside the step			
WW-058	Routines Module	Cancel delete confirmation modal	1. Click delete on a routine. 2. In modal, click **Cancel**. 3. Observe modal closes and routine remains.	Click Cancel			
WW-059	Routine Module	Reloads data after saving routine	1. Add a routine. 2. Observe it appears immediately in list after save.	Create new routine			
WW-060	Products Module	Display saved products of the logged-in user	1. Log in with a valid account that has saved products. 2. Visit the Products page.	Valid user account with saved products			

WW-061	Products Module	Display "No products found" when user has no saved products	1. Log in with a valid account that has no saved products. 2. Visit the Products page.	Valid user account without saved products			
WW-062	Products Module	Filter saved products by severity	1. Visit the Products page. 2. Select a severity level (e.g. "Severe") from the filter dropdown.	Select "Severe" in severity filter			
WW-063	Products Module	Filter saved products by type	1. Visit the Products page. 2. Select a product type (e.g. "Cleanser").	Select "Cleanser" in type filter			
WW-064	Products Module	Filter saved products by skin type	1. Visit the Products page. 2. Select a skin type (e.g. "Oily").	Select "Oily" in skin type filter			
WW-065	Products Module	Filter body products by body part	1. Switch area to "Body". 2. Select a body part (e.g. "Arms") from the filter dropdown.	Select "Body" area and "Arms" body part			
WW-066	Products Module	Sort products by severity level	1. Visit the Products page. 2. Choose "Severity (Low–High)" from the sort options.	Select "Severity (Low–High)"			
WW-067	Products Module	Switch between Face and Body product lists	1. Click the "Area" toggle filter. 2. Select "Face" or "Body".	Select "Face" / "Body"			
WW-068	Products Module	Open product detail modal	1. Click any saved product card.	Click a product card			
WW-069	Products Module	Close product detail modal	1. Open a product modal. 2. Click outside the modal or on the close button.	Click modal close button or background			
WW-070	Products Module	Display proper message when	1. Apply filters that don't match any saved products.	Apply non-matching filters			

		filter results are empty	2. Observe the "No matching products" message.				
WW-071	Skin Type Module	Display user's saved skin type	1. Log in with a valid user who already has a saved skin type. 2. Navigate to `/skintype` page. 3. Observe if skin type details are displayed correctly.	Valid user with saved skin type			
WW-072	Skin Type Module	Display "No Skin Type Detected Yet" for new users	1. Log in with a new user (no skin type yet). 2. Visit `/skintype`. 3. Observe message shown.	New user with no skin type			
WW-073	Skin Type Module	Save selected skin type	1. Log in as a new user. 2. Select a skin type from dropdown. 3. Click "Save Skin Type". 4. Check if success message shows and data saved.	Select "Oily" (example)			
WW-074	Skin Type Module	Change existing skin type	1. Log in as a user with existing skin type. 2. Choose a different skin type. 3. Click "Save Changes". 4. Observe success dialog and updated details.	Change "Dry" → "Combination"			
WW-075	Skin Type Module	Prevent redundant save when selecting same skin type	1. Select the same skin type as current. 2. Observe if "Save Changes" button is disabled.	Same as current type			
WW-076	Skin Type Module	Show success message on saving skin type	1. Change skin type. 2. Click "Save Changes". 3. Observe success toast "Skin type updated successfully!" appears.	Change to new type			

WW-077	Skin Type Module	Navigate to "Build Your Routine"	1. On the skin type details card, click "Build Your Routine" button. 2. Verify it navigates to /routine.	Click routine button			
WW-078	Skin Type Module	Navigate to "Track Skin Impurity"	1. On the skin type details card, click "Track Skin Impurity". 2. Verify it navigates to /download.	Click track button			
WW-079	Skin Type Module	Ensure dropdown lists all skin types	1. Open dropdown list. 2. Verify all skin types from SkintypesData are displayed.	Open dropdown			
WW-080	Skin Type Module	Show last checked date if available	1. Log in with a user who has saved skin type 2. Verify "Last checked" date displays correctly.	Existing user data			
WW-081	Home Page Module	Verify navigation to "User Dashboard" feature	1. Click the **User Dashboard** card in Core Features. 2. Confirm navigation to the login page.	Click User Dashboard card			
WW-082	Home Page Module	Verify navigation to "Identify Skintype" feature	1. Click the **Identify Skintype** card in Core Features. 2. Confirm navigation to the download page.	Click Identify Skintype card			
WW-083	Home Page Module	Verify navigation to "Create Routine" feature	1. Click the **Create Routine** card in Core Features. 2. Confirm navigation to the login page.	Click Create Routine card			
WW-084	Home Page Module	Verify navigation to "Product Management" feature	1. Click the **Product Management** card in Core Features. 2. Confirm navigation to the login page.	Click Product Management card			
WW-085	Home Page Module	Verify "Download Our Mobile App" section navigates correctly	1. Click the **Download Now** button. 2. Confirm navigation to /download.	Click Download Now			

WW-086	Home Page Module	Verify "Go to Dashboard" button	1. Scroll to the **Comprehensive Dashboard** section. 2. Click **Go to Dashboard** button. 3. Confirm navigation to /login.	Click Go to Dashboard			
WW-087	Home Page Module	Verify "Get the App" button	1. Scroll to the **Advanced Skin Analysis** section. 2. Click **Get the App**. 3. Confirm navigation to /download.	Click Get the App			
WW-088	Home Page Module	Verify "Browse Products" button	1. Scroll to **Personalized Product Recommendations** section. 2. Click **Browse Products**. 3. Confirm button click behavior (should later navigate to /products if linked).	Click Browse Products			
WW-089	Home Page Module	Verify "Build Your Routine" button	1. Scroll to **AI-Powered Routine Builder** section. 2. Click **Build Your Routine**. 3. Confirm navigation to /login.	Click Build Your Routine			
WW-090	Home Page Module	Check hero section display	1. Verify that hero text "INSECURITY FREE" and description appear clearly on page load.	Page load			
WW-091	Home Page Module	Verify responsiveness	1. Resize browser window or test on mobile view. 2. Confirm layout adjusts (grid changes to single column).	Change viewport			
WW-092	Home Page Module	Check hover animations	1. Hover over each Core Feature card. 2. Verify subtle scaling and shadow animation occurs.	Hover over feature cards			

WW-093	Home Page Module	Check images load correctly	1. Ensure all home images (`home1.jpg`, `home2.avif`, etc.) load without errors.	Page load			
WW-094	Home Page Module	Check navbar visibility	1. Verify that the NavbarSplashScreen component renders at top of the page.	Page load			
WW-095	Home Page Module	Verify overall page load	1. Visit the root `/` route. 2. Confirm entire layout loads without console errors.	Open/route			
WW-096	Landing Page	Verify error state displays correctly	1. Pass data with `firstName: "User"`. 2. Confirm text "Hello, User" is displayed.	N/A			
WW-097	Landing Page	Verify face key problems display	1. Return data with multiple key problems. 2. Check that each label, severity color (red/yellow/green), and percentage render properly.	N/A			
WW-098	Landing Page	Verify "Your body skin appears clear" message	1. Display Body Impurities 2. Confirm fallback message appears.	N/A			
WW-099	Landing Page	Verify skin type image renders	Confirm correct image for skin type	N/A			
WW-100	Landing Page	Verify analytics bar widths and color scaling	1. Confirm colors are green/yellow/red respectively and bar width matches percentage.	N/A			

WW-101	Landing Page	Verify recent products display	1. Return data with recent products (≥3). 2. Confirm each displays image, name, and area.	N/A			
WW-102	Landing Page	Verify "You have no saved products" message	1. Confirm fallback message appears.	N/A			
WW-103	Landing Page	Verify "See All" button visibility	2. Confirm "See All" appears.	N/A			
WW-104	Landing Page	Verify "See All" button navigation	1. Click See All. 2. Confirm redirect to /product.	Click button			
WW-105	Landing Page	Verify overall integration	1. Load page with real user data. 2. Confirm all widgets (Problems, Body Impurities, Skin Type, Analytics, Recent Products) render correctly.	Logged-in user			
WW-106	Legal and Support Center	Display default tab (Terms & Policy) on page load	1. Visit the Legal & Support Center page. 2. Observe which tab content is shown by default.	Visit legal and support page			
WW-107	Legal and Support Center	Verify "Terms & Policy" tab displays Terms content	1. Click the "Terms & Policy" tab if not already active. 2. Scroll through content.	Click "Terms & Policy"			

WW-108	Legal and Support Center	Verify "Terms & Policy" section expands all legal sections	1. Scroll down the page. 2. Ensure all 10 sections (Use of Service, User Responsibilities, etc.) are visible.	Scroll through page			
WW-109	Legal and Support Center	Verify "FAQs" tab displays FAQ content	1. Click on the "FAQs" tab. 2. Ensure FAQ list appears with collapsible items.	Click "FAQs"			
WW-110	Legal and Support Center	Verify accordion expands/collapses correctly	1. Click on any FAQ question. 2. Verify the answer expands. 3. Click again to collapse it.	Click FAQ item			
WW-111	Legal and Support Center	Verify icon rotation on accordion toggle	1. Observe ChevronDown icon beside each FAQ. 2. Confirm it rotates 180° when open and resets when closed.	Click FAQ item			
WW-112	Legal and Support Center	Verify tab highlight changes when switching tabs	1. Click "FAQs", then "Terms & Policy". 2. Ensure the active tab is highlighted in green and inactive is gray.	Click both tabs			
WW-113	Legal and Support Center	Verify responsiveness	1. Resize browser (mobile/tablet/desktop). 2. Ensure tabs and text reflow correctly without overlap.	Resize viewport			
WW-114	Legal and Support Center	Verify correct rendering of section titles	1. Check that each Terms section has proper heading (e.g., "1. Use of the Service").	Default Terms data			

WW-115	Logout Module	User logs out successfully and is redirected to login page	1. Login using valid credentials. 2. Click on the "Logout" button in the navigation or sidebar. 3. Wait for the page to redirect.	Click "Logout"			
WW-116	Profile Module	Verify that the profile page loads with the user's information	1. Log in using valid credentials. 2. Navigate to the "Profile" page. 3. Observe if the profile data is displayed properly.	Click "Profile"			
WW-117	Profile Module	Verify that user details (name, age, gender, email) are correctly displayed	1. Log in as an existing user. 2. Check displayed user details on the profile page.	N/A			
WW-118	Profile Module	Verify that the "Edit Profile" button toggles edit mode	1. Go to the profile page. 2. Click the "Edit Profile" button. 3. Observe if the fields become editable.	Click "Edit Profile"			
WW-119	Profile Module	Verify that canceling edit restores original data	1. Click "Edit Profile". 2. Change any field value. 3. Click "Cancel". 4. Observe if fields revert to original values.	Enter new data and cancel			
WW-120	Profile Module	Verify that the user can update their profile information successfully	1. Click "Edit Profile". 2. Update name, age, or gender fields. 3. Click "Save Changes". 4. Observe success message and updated display.	Edit profile fields and click "Save"			
WW-121	Profile Module	Verify that the email field is non-editable	1. Click "Edit Profile". 2. Attempt to edit the email field. 3. Observe if it's read-only.	Click on Email field			

WW-122	Profile Module	Verify that invalid data is not saved (e.g., blank fields or invalid age)	1. Click "Edit Profile". 2. Leave fields blank or input invalid values. 3. Click "Save Changes".	Blank or invalid data			
WW-123	Profile Module	Verify that success toast message appears after saving profile	1. Update profile details. 2. Click "Save Changes". 3. Observe if a toast notification appears with "Profile updated successfully!"	Edit and save profile			
WW-124	Profile Module	Verify that the profile avatar is displayed properly	1. Open the profile page. 2. Observe user avatar beside name.	N/A			
WW-125	Profile Module	Verify that the "Logout" button logs the user out and redirects to login page	1. On the profile page, click the "Logout" button. 2. Observe redirection to login page.	Click "Logout"			
WW-126	Profile Module	Verify that modals open correctly ("About Us", "FAQs", "Terms & Policy")	1. Click "About Us". 2. Click "FAQs". 3. Click "Terms & Policy". 4. Observe if each modal opens properly.	Click each modal link			
WW-127	Profile Module	Verify that modals can be closed successfully	1. Open any modal. 2. Click the close button (X). 3. Observe if modal closes properly.	Click "X"			
WW-128	Profile Module	Verify that saved products and routines count display correctly	1. Login to a user account with saved items. 2. Go to profile page. 3. Check the count shown for "Saved Products" and "Active Routines."	N/A			

WW-129	Profile Module	Verify that the "Skin Type" field displays correct information	1. Go to profile page. 2. Observe the displayed skin type value.	N/A			
WW-130	Body Impurity Dashboard	Verify that impurities are fetched and displayed successfully	1. Log in with a valid account. 2. Navigate to the Body Impurity Dashboard. 3. Observe if impurity cards are displayed.	Click "Body Impurity Dashboard"			
WW-131	Body Impurity Dashboard	Verify that the impurity count matches the number of displayed cards	1. Go to the dashboard. 2. Compare the number shown beside "items found" with the displayed impurity cards.	N/A			
WW-132	Body Impurity Dashboard	Verify that impurities are displayed with correct name, image, and description	1. Check impurity cards. 2. Ensure name, image, and short description appear correctly.	N/A			
WW-133	Body Impurity Dashboard	Verify that the date is displayed in the correct format	1. Observe "Detected:" label on impurity cards. 2. Ensure format matches "MMM DD, YYYY HH:MM".	N/A			
WW-134	Body Impurity Dashboard	Verify that "No impurities found" message is shown when user has no saved impurities	1. Log in with a new account having no impurities. 2. Navigate to the dashboard.	Account with no impurities			
WW-135	Body Impurity Dashboard	Verify that clicking "View Details" opens the details modal	1. On any impurity card, click "View Details." 2. Observe if modal opens showing full information.	Click "View Details"			

WW-136	Body Impurity Dashboard	Verify that details modal shows correct impurity information	1. Open any impurity's modal. 2. Check name, date, body part, description, and prevalence values.	Click on any impurity			
WW-137	Body Impurity Dashboard	Verify that clicking the close (X) button closes the details modal	1. Open impurity modal. 2. Click the X icon in the top-right corner. 3. Observe if modal closes.	Click "X"			
WW-138	Body Impurity Dashboard	Verify that clicking outside the modal closes it	1. Open details modal. 2. Click outside modal area. 3. Observe if modal closes.	Click backdrop			
WW-139	Body Impurity Dashboard	Verify that layout adjusts correctly for small screens (responsive test)	1. View on small/mobile screen. 2. Ensure grid adjusts to 1–2 columns.	Mobile view			
WW-140	Body Impurity Dashboard	Verify that hovering over impurity cards applies visual animation (lift effect)	1. Hover over an impurity card. 2. Observe if it slightly moves up with a shadow.	Hover mouse on card			
WW-141	Dashboard Module	Verify dashboard loads successfully when user is logged in	1. Log in with a valid account 2. Navigate to Dashboard Page	Logged in user			
WW-142	Dashboard Module	Verify dashboard displays the most recent analysis by default	1. Log in 2. Go to Dashboard Page 3. Check the selected date at top	User with multiple analysis records			

WW-143	Dashboard Module	Verify "Key Problems Detected" section	1. Load dashboard with analysis data 2. Observe the "Key Problems Detected" area	N/A			
WW-144	Dashboard Module	Verify date dropdown functionality	1. Click date dropdown 2. Choose an earlier date Analysis records with multiple dates	N/A			
WW-145	Dashboard Module	Verify radar chart ("Skin Issues Distribution") loads properly	1. Go to dashboard 2. Scroll to the radar chart section	N/A			
WW-146	Dashboard Module	Verify radar chart shows message when no data	1. Log in as user with no saved analysis 2. Go to dashboard	N/A			
WW-147	Dashboard Module	Verify analytics chart visualization	1. Load dashboard with `analytics` data 2. Observe analytics bars	N/A			
WW-148	Dashboard Module	Verify analytics chart message when no data	1. Log in with no analytics records 2. Go to dashboard	N/A			
WW-149	Dashboard Module	Verify "Detailed Skin Analysis" section displays impurities	1. Open dashboard 2. Scroll to Detailed Skin Analysis section	N/A			

WW-150	Dashboard Module	Verify message when no impurities are available	1. Open dashboard as user with no impurity data	N/A			
WW-151	Dashboard Module	Verify Help (Tour Guide) button functionality	1. Click Help icon (bottom right) 2. Observe walkthrough highlights	Click Help icon			
WW-152	Dashboard Module	Verify next and previous tour step navigation	1. Start walkthrough 2. Click next and previous	Default tour configuration			
WW-153	Dashboard Module	Verify responsive layout	1. Resize window to mobile, tablet, desktop	Any user			