

Testing

SENG 401 - L01

GLOW

[Site Link](#)

Group: 18  
Date: 2025-03-21

Hanna Cho  
30179494

Nic Boilard  
30111842

Oliver Molina  
30114995

Ramisa Islam  
30170297

Sarah Yip  
30174831

Sofia Tapias Montaña  
30171767

Passed	0
Failed	0
Blocked	3
Not Executed	43

Functional Requirements - Registered User

Test Case ID	Use Case	Function Being Tested	Initial System State	Input	Expected Outputs	Actual Outputs	Status
T-001	Navigation	Home Page Navigation	New web browser.	Navigate to home page.	Home page loads.		Not Executed
T-002	Navigation	Login Page Navigation	User not logged in and on home page.	Select "Get Started" button.	Login page loads.		Not Executed
T-003	Navigation	Sign-Up Navigation	User not logged in and on login page.	Select "Sign-up here" button.	Sign-up page loads.		Not Executed
T-004	User Authentication	Failed Registration	User not logged in and on sign-up page.	Input username that is already in the database and password.	Registration fails.		Not Executed
T-005	User Authentication	User Registration	User not logged in and on sign-up page.	Valid username and password.	Successful registration, user redirected to skin care generator page and logged in.		Not Executed

T-006	User Authentication	Failed Login	User not logged in and navigated to login page.	Invalid username and password combination.	Failed login attempt.		Not Executed
T-007	User Authentication	Login	User not logged in and navigated to login page.	Valid username and password.	Successful login and user redirected to skin care generator page.		Not Executed
T-008	Routine Criteria	Time Preferences Selection	User logged in and on skin care generator page.	Select time preference then select "Create Routine" button.	Routine generated for selected time preference.		Not Executed
T-009	Routine Criteria	Skin Type Selection	User logged in and on skin care generator page.	Select skin type then select "Create Routine" button.	Routine generated for selected skin type.		Not Executed
T-010	Routine Criteria	Skin Condition Selection	User logged in and on skin care generator page.	Select skin conditions then select "Create Routine" button.	Routine generated for selected skin conditions.		Not Executed
T-011	Routine Criteria	Allergies Selection	User logged in and on skin care generator page.	Select allergies then select "Create Routine" button.	Routine generated excluding products related to selected allergies.		Not Executed
T-012	Routine Criteria	Skin Concerns Input	User logged in and on skin care generator page.	Select skin concerns then select "Create Routine" button.	Routine generated for selected skin concerns.		Not Executed
T-013	Product Criteria	Ingredient Product Preferences (alcohol-free, fragrance-free, etc.)	User logged in and on skin care generator page.	Select ingredient preferences then select "Create Routine" button.	Routine generated with ingredient preferences.		Not Executed
T-014	Product Criteria	Ethical Product Preferences (vegan, cruelty-free, etc.)	User logged in and on skin care generator page.	Select ethical preferences then select "Create Routine" button.	Routine generated with ethical preferences.		Not Executed

T-015	Product Criteria	Budget Selection	User logged in and on skin care generator page.	Select "low" budget then select "Create Routine" button.	Routine generated with products of lower price than medium and high budgets.		Not Executed
T-016	Product Criteria	Budget Selection	User logged in and on skin care generator page.	Select "medium" budget then select "Create Routine" button.	Routine generated with products priced higher than low budget and lower than high budget.		Not Executed
T-017	Product Criteria	Budget Selection	User logged in and on skin care generator page.	Select "high" budget then select "Create Routine" button.	Routine generated with products of higher price than low and medium budgets.		Not Executed
T-018	Product Criteria	Price Range Selection (min, max)	User logged in and on skin care generator page.	Input min and max price then select "Create Routine" button.	Routine generated within price range.		Not Executed
T-019	Smart Recommendations	Product Recommendation Based on User Inputs	User logged in and on skin care generator page.	Select routine and product criteria and select "Create Routine" button.	Routine generated with all routine and product criteria.		Not Executed
T-020	Recommendation Explanation	Explanation of Product Suggestions	User logged in.	Navigate to saved routines.	Saved routines display explanation of product suggestions.	N/A	Blocked
T-021	Product Visualization	Displaying Product Images with Recommendations	User logged in.	Navigate to saved routines.	Saved routines displays images of suggested products.	N/A	Blocked
T-022	Data Persistence	Form Data Persistence	User logged in and on skin care generator page.	Navigate to another page then return to skin care generator page.	Last input routine and product criteria autopopulated.	N/A	Blocked
T-023	Routine Storage	Recommended Routine Saved	User logged in, on skin care generator page, and routine generated.	Select "Save Routine" button.	Routine saved successfully message appears.		Not Executed

T-024	Navigation	Saved Routine Page	User logged in and on skin care generator page.	Select profile icon in header.	Saved routine page loads with previously saved routines.		Not Executed
T-025	Navigation	Logout	User logged in.	Select "Sign Out" button.	Successful logout and redirected to home page.		Not Executed

Functional Requirements - Guest

Test Case ID	Use Case	Function Being Tested	Initial System State	Input	Expected Outputs	Actual Outputs	Status
T-026	Navigation	Skin Care Generator Navigation	User not logged in and on login page.	Select "Continue as Guest" button.	Skin Care Generator page loads.		Not Executed
T-027	Navigation	Skin Care Generator Navigation	User not logged in and on signup page.	Select "Continue as Guest" button.	Skin Care Generator page loads.		Not Executed
T-028	Routine Criteria	Time Preferences Selection	User logged out and on skin care generator page.	Select time preference then select "Create Routine" button.	Routine generated for selected time preference.		Not Executed
T-029	Routine Criteria	Skin Type Selection	User logged out and on skin care generator page.	Select skin type then select "Create Routine" button.	Routine generated for selected skin type.		Not Executed
T-030	Routine Criteria	Skin Condition Selection	User logged out and on skin care generator page.	Select skin conditions then select "Create Routine" button.	Routine generated for selected skin conditions.		Not Executed
T-031	Routine Criteria	Allergies Selection	User logged out and on skin care generator page.	Select allergies then select "Create Routine" button.	Routine generated excluding products related to selected allergies.		Not Executed

T-032	Routine Criteria	Skin Concerns Input	User logged out and on skin care generator page.	Select skin concerns then select "Create Routine" button.	Routine generated for selected skin concerns.		Not Executed
T-033	Product Criteria	Ingredient Product Preferences (alcohol-free, fragrance-free, etc.)	User logged out and on skin care generator page.	Select ingredient preferences then select "Create Routine" button.	Routine generated with ingredient preferences.		Not Executed
T-034	Product Criteria	Ethical Product Preferences (vegan, cruelty-free, etc.)	User logged out and on skin care generator page.	Select ethical preferences then select "Create Routine" button.	Routine generated with ethical preferences.		Not Executed
T-035	Product Criteria	Budget Selection	User logged out and on skin care generator page.	Select "low" budget then select "Create Routine" button.	Routine generated with products of lower price than medium and high budgets.		Not Executed
T-036	Product Criteria	Budget Selection	User logged out and on skin care generator page.	Select "medium" budget then select "Create Routine" button.	Routine generated with products priced higher than low budget and lower than high budget.		Not Executed
T-037	Product Criteria	Budget Selection	User logged out and on skin care generator page.	Select "high" budget then select "Create Routine" button.	Routine generated with products of higher price than low and medium budgets.		Not Executed
T-038	Product Criteria	Price Range Selection (min, max)	User logged out and on skin care generator page.	Input min and max price then select "Create Routine" button.	Routine generated within price range.		Not Executed
T-039	Smart Recommendations	Product Recommendation Based on User Inputs	User logged out and on skin care generator page.	Select routine and product criteria and select "Create Routine" button.	Routine generated with all routine and product criteria.		Not Executed
T-040	Navigation	Home Page Navigation	User logged out and on skin care generator page.	Select "GLOW" button in header.	Home page loads.		Not Executed

Non-Functional Requirements

Test Case ID	Use Case	Function Being Tested	Initial System State	Input	Expected Outputs	Actual Outputs	Status
T-041	User Interface	UI Design Usability	System running.	Interact with various UI components.	UI is intuitive, responsive, and easy to use.		Not Executed
T-042	Performance	Response Time for Recommendations	System running.	Make a recommendation request.	Response time is under 10 seconds.		Not Executed
T-043	Page Loading	Optimizing Web Page Load Time	System idle.	Open the homepage.	Page loads in under 10 seconds.		Not Executed
T-044	Security	Data Privacy and Security	System running.	Submit sensitive user data.	Data is securely processed and stored.		Not Executed
T-045	Responsive Design	Cross-Platform Compatibility	System running.	Access application on mobile, tablet, and desktop.	App adapts to all screen sizes and resolutions.		Not Executed
T-046	Performance	High-Traffic Performance	System running.	Multiple users access the site at one time.	App continues to operate without any slow down.		Not Executed