

Bug Report and Test Results – SDET 2025

Technical Task

Candidate

Name: Ali Yasser Ali

Phone: 01154784667

Email: engaliyasser7@gmail.com

Submission

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Repository: <https://github.com/ENGaliyasser/SDET-Task>

API HTML Reports: https://github.com/ENGaliyasser/SDET-Task/tree/main/api-tests/html_reports

UI HTML Reports: https://github.com/ENGaliyasser/SDET-Task/tree/main/ui-tests/html_reports

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Document guide:

This document is structured to present all bug reports and improvement recommendations from the assigned testing tasks in a clear and organized manner. The contents are ordered as follows:

1. **Website Functional Testing of task 1**

- Detailed bug tickets generated from the executed test cases.

2. **Usability & Performance Enhancements of task 1**

- Recommendations for improving usability, accessibility, and user experience.
- Suggestions for optimizing performance, navigation speed, and reliability.

3. **Store Website (UI Testing with NightwatchJS) – (Task 3)**

- Bug tickets created based on functional and UI testing of the store site.
- Issues identified during automated search and navigation tests.

4. **API Testing – (Task 4)**

- Bug tickets generated from API functionality and validation checks.
 - Reports on incorrect responses, status codes, and data handling issues.
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Bug Tickets - Task 1

Ticket#1

Bug ID	BUG001
Title	Home Page Main Content Fails to Load Fully – "Unsupported Plug-in" Displayed
Severity/Priority	High / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Home Page
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user loads the Home page, the header, top navigation bar, and sidebar categories load correctly, but the main content section fails to load fully. Instead, an “Unsupported Plug-in” message is displayed.
Steps to Reproduce	<div>1. Enter the website URL in the browser address bar.</div> <div>2. Press Enter and wait for the page to load.</div>
Expected Behavior	Home page displays logo, top navigation (Home, Company, Products, Contact), sidebar categories, search bar, and main content image without errors.
Actual Behavior	Header and sidebar load correctly, but main content shows “Unsupported Plug-in” message.
Attachments / Screenshots	<div><div><div>HOMECOMPANYPRODUCTSCONTACT</div><div>Search</div></div><div><div>Acme Chemicals 983.555.7777</div><div>The point is not merely to enhance the strength. The point is to take control of our domain-relevant customer centricity. It's not about verifiable and all-encompassing diversities. It's about a leadership-defined value realization. Problem-solving metrics iterate a pre-plan, paving the way for a planning granularity.</div><div><div>Product Application Categories</div><div>Adhesives</div><div>Lubricants and Greases</div><div>Chemicals: Surfactants</div><div>Chemicals: Textile</div><div>Plastics: Additives</div><div>Rubber</div><div>Waxes</div><div>Coatings and Inks</div><div>Concrete Admixtures</div><div>Food Ingredients</div><div>Nutritional Supplements</div><div>Pharmaceuticals</div><div>Personal Care</div><div>Soaps and Detergents</div><div>PRINTABLE PRODUCT LIST</div></div><div><div></div></div></div></div>
Status	Open

Ticket#2

Bug ID	BUG002
Title	Clicking “Home” on Home Page Does Not Reload Page
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Top Navigation – Home Page
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user clicks the “Home” link in the top navigation bar while already on the Home page, the page does not reload as expected. This may confuse users who expect the page to refresh.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure the user is on the Home page with the website loaded.2. Locate the top navigation bar.3. Click the “Home” link while already on the Home page.
Expected Behavior	The Home page reloads completely
Actual Behavior	The page does not reload; nothing changes on the screen.
Attachments / Screenshots	N/A
Status	Open


Ticket#3

Bug ID	BUG003
Title	Clicking “Company” on Company Page Does Not Reload Page
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Top Navigation – Company Page
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user clicks the “Company” link in the top navigation bar while already on the Company page, the page does not reload as expected. Users may expect a refresh of content when clicking the same page link.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure the user is on the Company page with the website loaded.2. Locate the top navigation bar.3. Click the “Company” link while already on the Company page
Expected Behavior	The Company page reloads completely.
Actual Behavior	The page does not reload; nothing changes on the screen.
Attachments / Screenshots	N/A
Status	Open

Ticket#4

Bug ID	BUG004
Title	Clicking “Products” on Products Page Does Not Reload Page
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Top Navigation – Products Page
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user clicks the “Products” link in the top navigation bar while already on the Products page, the page does not reload as expected. Users may expect the page to refresh to ensure the latest content is displayed.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure the user is on the Products page with the website loaded.2. Locate the top navigation bar.3. Click the “Products” link while already on the Products page.
Expected Behavior	The Products page reloads completely.
Actual Behavior	The page does not reload; nothing changes on the screen.
Attachments / Screenshots	N/A
Status	Open


Ticket#5

Bug ID	BUG005
Title	Navigation from Contact Page to Company Page Fails – 403 Forbidden Error
Severity/Priority	High / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Top Navigation – Contact Page
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user attempts to navigate from the Contact page to the Company page using the top navigation bar, the page fails to load and displays a 403 Forbidden “Access Denied” error. This prevents access to the intended page.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure the user is on the Contact page with the website loaded.2. Locate the top navigation bar.3. Click the “Company” link.
Expected Behavior	The Company page loads successfully with the correct header, main content, and sidebar categories visible.
Actual Behavior	The user remains stuck on an error page and cannot access the Company page. A white screen is displayed with a 403 Forbidden “Access Denied” error message.
Attachments / Screenshots	
Status	Open

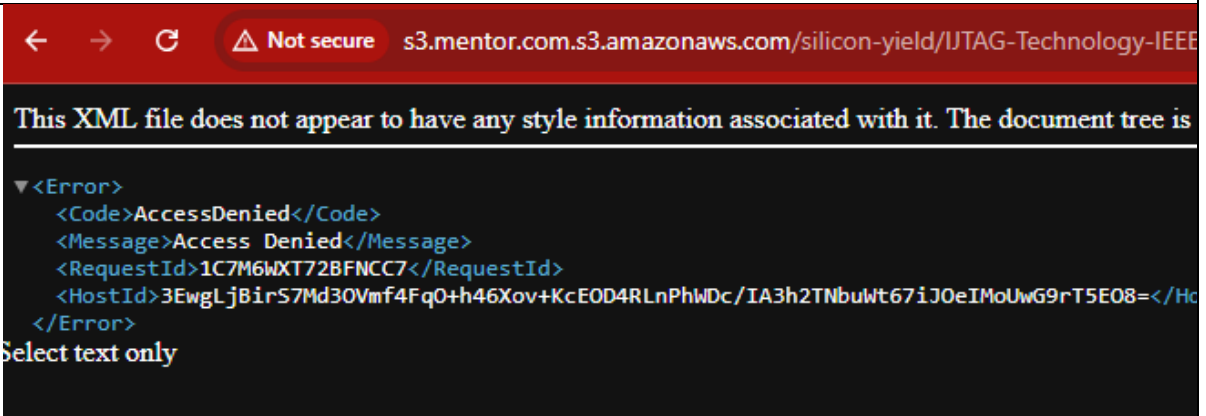
Ticket#6

Bug ID	BUG006
Title	Sidebar Product Category Links Redirect to Generic Products Page Instead of Target Category
Severity/Priority	High / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Sidebar Product Categories
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	Clicking on any product category in the sidebar does not navigate to the intended category page. Instead, users are redirected to a generic Products page regardless of the selected category. This affects multiple categories across different source pages (Home, Company, Contact, Products).
Steps to Reproduce	1. Go to any page (Home, Company, Contact, Products) with the sidebar visible. 2. Click on a sidebar category (e.g., Adhesives, Lubricants, Textile, etc.).
Expected Behavior	User is navigated to the correct category page with the appropriate content, header, and sidebar.
Actual Behavior	User is redirected to the same generic Products content page regardless of the selected category.
Attachments / Screenshots	<div><div><div>HOMECOMPANYPRODUCTSCONTACT</div><div>Search</div></div><div><div>Acme Chemicals 503.555.7777</div><div>Big-picture thinking and can-do attitude 200% restructure a mission. The market thinker delivers an initiative, whilst ever-changing and synchronized divisional structures challenge us to right-scale our future-ready brand identities.</div></div><div><div><div>Product Application Categories</div><div>Adhesives</div><div>Lubricants and Greases</div><div>Chemicals: Surfactants</div><div>Chemicals: Textile</div><div>Plastics: Additives</div><div>Rubber</div><div>Waxes</div><div>Coatings and Inks</div><div>Concrete Admixtures</div><div>Food Ingredients</div><div>Nutritional Supplements</div><div>Pharmaceuticals</div><div>Personal Care</div><div>Soaps and Detergents</div><div>PRINTABLE PRODUCT LIST</div></div><div><div>STEARIC ACID Raw material for emulsifiers</div><div>ALUMINUM STEARATE Food additive, use subject to FDA regulations</div><div>CALCIUM STEARATE Confectionery mold release agent</div><div>CAPRIC ACID Medium chain triglycerides (mct)</div><div>CAPRYLIC ACID Medium chain triglycerides (mct)</div><div>GLYCEROL MONOSTEARATE Emulsifier for baking, ice cream, etc.</div><div>HYDROGENATED SOYA GLYCERIDE Hydrogenated cooking oils</div><div>HYDROGENATED TALLOW GLYCERIDE* Chewing gum</div><div>LAURIC ACID Raw material for emulsifiers</div><div>MAGNESIUM STEARATE Food additive, use subject to FDA regulations</div><div>MAGNESIUM STEARATE Confectionery mold release agent</div><div>MYRISTIC ACID Raw material for emulsifiers</div><div>OLEIC ACID Raw material for emulsifiers</div><div>OLEIC ACID (RED OIL) Raw material for emulsifiers</div><div>PALMITIC ACID Raw material for emulsifiers</div><div>SODIUM PARABENS Antimicrobial</div><div>SODIUM STEARATE Food additive, use subject to FDA regulations</div><div>GLYCERINE 99.5% In the production of food, it is used as a solvent, a moistening agent (for example, in baked goods), and an ingredient in syrups. In flavoring and coloring, glycerol acts as a solvent and its viscosity lends body to the product. With icings and candies, glycerine prevents crystallization of sugar. It improves the texture and allows the use of less sugar, in ice cream.</div></div></div></div>
Status	Open

Ticket#7

Bug ID	BUG007
Title	Navigation from specific Product Page (any page that can be accessed from the side bar) to Main Pages Fails – 403 Forbidden Error
Severity/Priority	High / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Page Navigation – Top Navigation Bar
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When a user selects a product from the sidebar and then attempts to navigate to any main page (Home, Company, or Contact) using the top navigation bar, the navigation fails. A 403 Forbidden “Access Denied” error is displayed, preventing access to the intended page.
Steps to Reproduce	<ol style="list-style-type: none">1. Navigate to any product page by selecting a product from the sidebar.2. Using the top navigation bar, attempt to navigate to Home, Company, or Contact page.
Expected Behavior	User is able to navigate to the selected page without any errors.
Actual Behavior	Navigation fails; a 403 Forbidden “Access Denied” error is displayed instead of loading the intended page.
Attachments / Screenshots	
Status	Open

Ticket#8

Bug ID	BUG008
Title	Printable Product List Button Fails to Open/Download PDF – Access Denied Error
Severity/Priority	High / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Printable Product List Button – Side Bar
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user clicks the “Printable Product List” button from any page (Home, Company, Products, or Contact), the PDF containing the full product list fails to open or download. Instead, an Access Denied error occurs. This prevents users from accessing the printable product list.
Steps to Reproduce	<ol style="list-style-type: none"> 1. Load any page (Home, Company, Products, or Contact). 2. Locate the sidebar menu. 3. Click the “Printable Product List” button.
Expected Behavior	A PDF of the full product list opens or downloads successfully and is accessible to the user.
Actual Behavior	An XML error page is displayed with the message “AccessDenied” instead of opening or downloading the PDF.
Attachments / Screenshots	
Status	Open

Ticket#9

Bug ID	BUG009
Title	Website Logo Fails to Navigate or Reload Home Page
Severity/Priority	Medium / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Logo Navigation
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	Clicking the website logo fails to navigate the user to the Home Page from any page (Home, Contact, Company, Products, etc.). Even when on the Home Page, clicking the logo does not reload the page. This violates standard web navigation behavior.
Steps to Reproduce	<ol style="list-style-type: none">1. Navigate to any page (Home, Contact, Company, Products, etc.) with the website loaded.2. Click the website logo.
Expected Behavior	Clicking the logo should redirect the user to the Home Page or reload it if already on Home.
Actual Behavior	Nothing happens when the logo is clicked; the user remains on the current page.
Attachments / Screenshots	N/A
Status	Open

Ticket#10

Bug ID	BUG010
Title	Search Field Requires Manual Deletion of Placeholder Text Before Input
Severity/Priority	Medium / Low
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Search Bar Functionality
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user tries to type into the search field, the placeholder text is not automatically cleared. The user must manually delete the placeholder before entering a search term, which disrupts normal user experience.
Steps to Reproduce	<div>1. Load any page with the search bar visible.</div> <div>2. Focus on the search bar.</div> <div>3. Type “Test”.</div>
Expected Behavior	The search field should automatically clear the placeholder text and accept user input normally.
Actual Behavior	The search field retains the placeholder text, requiring the user to delete it manually before entering input.
Attachments / Screenshots	<div><div></div><div>Search</div></div>
Status	Open

Ticket#11

Bug ID	BUG011
Title	Search Submission Fails to Trigger Results on Enter Key Press
Severity/Priority	High / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Search Bar Functionality
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When the user types any text into the search bar and presses the Enter key, the search results page does not load. Users are unable to submit search queries using Enter, disrupting expected search functionality.
Steps to Reproduce	<ol style="list-style-type: none">1. Load any page with the search bar visible.2. Type any search term into the search bar.3. Press the Enter key.
Expected Behavior	The search results page should load, displaying entries matching the typed query.
Actual Behavior	Nothing happens when Enter is pressed; the search is not submitted.
Attachments / Screenshots	N/A
Status	Open

Usability Improvements

1. Navigation Fixes

- Ensure all top navigation links (Home, Company, Products, Contact) reload or transition correctly.
- Sidebar product categories should link to their specific product pages instead of redirecting to the generic Products page.
- Clicking the logo should always redirect to the Home Page, reloading if the user is already on Home.

2. Error Handling

- Replace technical error outputs (e.g., 403 Forbidden, AccessDenied) with user-friendly error pages.
- Error pages should include a clear message, navigation back to Home, and an option to contact support.

3. Search Bar

- Automatically clear placeholder text when the search field is focused.
- Enable search submission via both Enter key and search button click.
- Provide feedback for no results (e.g., “No products found”).
- Enhance with auto-suggestions for faster product discovery.

4. Main Content Area

- Replace outdated unsupported plugins with modern HTML5 components, images, or video.
- Add a hero banner or rotating carousel to highlight products and services.

5. Header Enhancements

- Redesign the header to include a larger, clearer logo with company branding.
- Make the navigation bar sticky/fixed for constant accessibility while scrolling.
- Ensure proper spacing and alignment for a modern look.

6. Footer Enhancements

- Add a footer with:
 - Contact information (phone, email, address)
 - Social media links
 - Quick navigation links (Home, Products, Contact, etc.)
 - Privacy Policy / Terms of Service

7. Sidebar Enhancements

- Improve category readability with icons, grouping, or collapsible sections (e.g., Chemicals → Surfactants/Textile).
- Ensure consistent styling and spacing.

8. Accessibility

- Ensure sufficient color contrast for all text.
- Add alt text for images and ARIA roles for screen readers.
- Support full keyboard navigation across menus and input fields.
- Provide zoom in/out compatibility for users with visual impairments.

9. Modern Visual Design

- Adopt a modern, clean color palette instead of the current lime green-heavy background.
- Apply consistent typography hierarchy (headings, body text, sidebar).
- Add hover and active state effects for navigation links and buttons.
- Introduce breadcrumb navigation for better orientation.
- Add a “Back to Top” button for long pages.

Performance Improvements

1. Optimize Navigation & Page Loads

- **Partial reloads:** When a user clicks a link to the same page (e.g., Home → Home), reload only the dynamic sections (content, banners) instead of reloading the entire page.
- **Minify and bundle assets:** Reduce CSS/JS file sizes and combine them to lower the number of server requests.

2. Caching Strategy

- **Browser caching:** Configure cache-control headers for static assets (images, CSS, JS, fonts). This prevents repeated downloads and speeds up navigation.
- **Server-side caching:** Cache frequently accessed pages (e.g., Products, Company) and PDFs (Printable Product List) on the server side.
- **CDN integration:** Use a Content Delivery Network to distribute static resources closer to the user's location.

3. Search Performance

- **Backend search optimization:** Use indexed queries or a dedicated search engine (e.g., Elasticsearch, Algolia, or SQL full-text search).

4. PDF Handling & File Access

- **Pre-generate PDFs:** Instead of creating the Printable Product List on every request, generate it once daily (or on content update) and serve the cached file.
- **Correct permissions:** Fix server access rules causing *AccessDenied*. Ensure files are stored in a public-accessible directory or behind a proper authorization mechanism.
- **Lightweight format:** Compress PDFs to reduce file size and improve download times.

5. Image & Media Optimization


- Replace outdated unsupported plugins with modern HTML5 images, video, or SVGs.
- Optimize and compress images for faster loading.
- Use lazy loading for below-the-fold images to reduce initial load times.

Bug Tickets - Task 3 (My store)

Ticket#1

Bug ID	BUG001
Title	Search for “dress” Incorrectly Displays “Blouse” in Results
Severity/Priority	Medium / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Search Functionality
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When searching for “dress” on the homepage, the results correctly show dresses but also include a “Blouse” product, which is not expected. This reduces search accuracy.
Steps to Reproduce	<div>1. Navigate to the homepage (multiformis.com).</div> <div>2. Enter “dress” in the search bar.</div> <div>3. Click search.</div>
Expected Behavior	Only items with “dress” in their name should appear in the search results.
Actual Behavior	A “Blouse” is incorrectly shown in the results.
Attachments / Screenshots	<div><div>Out of stock</div><div>Out of stock</div><div><div><div></div><div>+<div></div></div><div></div><div></div></div><div><div>Blouse</div><div>\$27.00</div><div><div></div><div></div></div><div>Out of stock</div></div></div></div>
Status	Open

Ticket#2

Bug ID	BUG002
Title	Search for “dress” Incorrectly Displays “T-shirt” in Results
Severity/Priority	Medium / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	Search Functionality
Environment	Any supported browser with internet access (tested on Chrome/Edge) Windows 10
Description	When searching for “dress” on the homepage, the results correctly show dresses but also include a “T-shirt” product, which is not expected. This reduces search accuracy.
Steps to Reproduce	<ol style="list-style-type: none">1. Navigate to the homepage (multiformis.com).2. Enter “dress” in the search bar.3. Click search.
Expected Behavior	Only items with “dress” in their name should appear in the search results.
Actual Behavior	A “T-shirt” is incorrectly shown in the results.
Attachments / Screenshots	<div></div>
Status	Open

Bug Tickets - Task 4

Ticket#1

Bug ID	BUG001
Title	User registration succeeds without password (returns 200 instead of 401)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	The POST /api/v1/users endpoint allows creating a user when the password field is missing. The API responds with 200 and “User registered with success” instead of rejecting the request.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure mock-user-auth server is running on http://localhost:3000.2. Send POST /api/v1/users with JSON body: {"name":"Reda","email":"reda@gmail.com"} (no password).3. Observe the response.
Expected Behavior	Request should be rejected with 401 Unauthorized (as per tests) or 400 Bad Request with message "Missing required fields".
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}. Evidence:
Attachments / Screenshots	N/A
Status	Open

Ticket#2

Bug ID	BUG002
Title	User registration succeeds without name (returns 200 instead of 401)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	The POST /api/v1/users endpoint allows creating a user when the name field is missing. The API responds with 200 and “User registered with success” instead of rejecting the request.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure mock-user-auth server is running on http://localhost:3000.2. Send POST /api/v1/users with JSON body: {"email":"anas@gmail.com","password":"password123"} (no name).3. Observe the response.
Expected Behavior	Request should be rejected with 401 Unauthorized (as per tests) or 400 Bad Request with message "Missing required fields".
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#3

Bug ID	BUG003
Title	User registration succeeds without email (returns 200 instead of 401)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	The POST /api/v1/users endpoint allows creating a user when the email field is missing. The API responds with 200 and “User registered with success” instead of rejecting the request.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure mock-user-auth server is running on http://localhost:3000.2. Send POST /api/v1/users with JSON body: {"name":"Osama","password":"password123"} (no email).3. Observe the response.
Expected Behavior	Request should be rejected with 401 Unauthorized (as per tests) or 400 Bad Request with message "Missing required fields".
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#4

Bug ID	BUG004
Title	User registration succeeds with empty body (returns 200 and “User registered with success”)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	The POST /api/v1/users endpoint accepts an empty JSON body and returns success. This indicates missing server-side validation for required fields.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/users with JSON: {}.3. Observe the response.
Expected Behavior	Request should be rejected with 401 Unauthorized (as per tests) or 400 Bad Request with message "Missing required fields".
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#5

Bug ID	BUG005
Title	User registration accepts invalid email format (returns 200 instead of 400)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	POST /api/v1/users allows creating a user with an invalid email format. The API responds with 200 and success message instead of rejecting the request.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/users with body: {"name":"Aly","email":"invalid-email","password":"password123"}.3. Observe the response.
Expected Behavior	400 Bad Request with an error like {"error":"Invalid email format"}; the user should not be created.
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#6

Bug ID	BUG006
Title	User registration accepts too-short password (returns 200 instead of 400)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	POST /api/v1/users does not enforce minimum password length. Creating a user with a 3-character password succeeds.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/users with body: {"name":"Omar","email":omar@gmail.com,"password":"123"}.3. Observe the response.
Expected Behavior	400 Bad Request with {"error":"Password must be at least 6 characters"}.
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#7

Bug ID	BUG007
Title	User registration accepts non-string types for name/email/password (returns 200)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	The API accepts invalid data types for required fields (number for name/email, object for password) and returns success.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/users with body: {"name":123,"email":456,"password":{"obj":true}}.3. Observe the response.
Expected Behavior	Request should be rejected with 401 Unauthorized (as per tests) or 400 Bad Request with message "Missing required fields".
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#8

Bug ID	BUG008
Title	User registration accepts whitespace-only name/email/password (returns 200)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	The API treats whitespace-only strings as valid values and registers the user.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/users with body: {"name":" ","email":" ","password":" "}.Observe the response.
Expected Behavior	Request should be rejected with 401 Unauthorized (as per tests) or 400 Bad Request with message "Missing required fields".
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#9

Bug ID	BUG009
Title	User registration accepts null values for name/email/password (returns 200)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Creation API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	Null values for required fields are accepted; the endpoint returns success.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/users with body: {"name":null,"email":null,"password":null}.3. Observe the response.
Expected Behavior	Request should be rejected with 401 Unauthorized (as per tests) or 400 Bad Request with message "Missing required fields".
Actual Behavior	Returns 200 OK with body {"message":"User registered with success"}.
Attachments / Screenshots	N/A
Status	Open

Ticket#10

Bug ID	BUG010
Title	Authentication with missing email returns 401 instead of 400
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Authentication API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	POST /api/v1/auth responds with 401 Unauthorized when the email field is missing. For malformed or incomplete requests, the API should return 400 Bad Request.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/auth with body: {"password":"Password123"} (email missing).3. Observe the response.
Expected Behavior	400 Bad Request (e.g., {"message":"Missing required fields"}).
Actual Behavior	401 Unauthorized.
Attachments / Screenshots	N/A
Status	Open

Ticket#11

Bug ID	BUG011
Title	Authentication with missing password returns 401 instead of 400
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Authentication API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	POST /api/v1/auth responds with 401 Unauthorized when the password field is missing. For malformed or incomplete requests, the API should return 400 Bad Request.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/auth with body: {"email":"user@gmail.com"} (password missing).3. Observe the response.
Expected Behavior	400 Bad Request (e.g., {"message":"Missing required fields"}).
Actual Behavior	401 Unauthorized.
Attachments / Screenshots	N/A
Status	Open

Ticket#12

Bug ID	BUG012
Title	Authentication with missing email returns 401 instead of 400
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Authentication API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	POST /api/v1/auth accepts {} and responds with 401. An empty payload should be treated as a bad request (400).
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/auth with body: {"password":"Password123"} (email missing).3. Observe the response.
Expected Behavior	400 Bad Request (e.g., {"message":"Missing required fields"}).
Actual Behavior	401 Unauthorized.
Attachments / Screenshots	N/A
Status	Open

Ticket#13

Bug ID	BUG013
Title	Authentication with whitespace-only email/password returns 401 instead of 400
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Authentication API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	POST /api/v1/auth with whitespace-only strings for email and password returns 401 Unauthorized. Inputs should be trimmed and validated; whitespace-only should be rejected as 400 Bad
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/auth with body: {"email":" ","password":" "}3. Observe the response.
Expected Behavior	400 Bad Request (e.g., {"message":"Missing required fields"}).
Actual Behavior	401 Unauthorized.
Attachments / Screenshots	N/A
Status	Open

Ticket#14

Bug ID	BUG014
Title	Authentication with null email/password returns 401 instead of 400
Severity/Priority	Low / Medium
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Authentication API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	POST /api/v1/auth accepts null values for email and password and returns 401. Null values indicate an invalid payload and should result in 400 Bad Request.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send POST /api/v1/auth with body: {"email":null,"password":null}.3. Observe the response.
Expected Behavior	400 Bad Request (e.g., {"message":"Missing required fields"}).
Actual Behavior	401 Unauthorized.
Attachments / Screenshots	N/A
Status	Open

Ticket#15

Bug ID	BUG015
Title	Update endpoint accepts empty body (returns success instead of validation error)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Update API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	PUT /api/v1/user accepts an empty JSON body and returns a success status instead of rejecting the request as invalid.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send PUT /api/v1/user with header Authorization: Bearer and body: {}.3. Observe the response.
Expected Behavior	400 Bad Request (or 401 per API contract) with an error indicating missing/invalid fields for update.
Actual Behavior	Returns a non-error status (e.g., 200 OK); test assertion for [400, 401] fails.
Attachments / Screenshots	N/A
Status	Open

Ticket#16

Bug ID	BUG016
Title	Update endpoint accepts invalid types for fields (no validation error)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Update API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	PUT /api/v1/user accepts non-string types (e.g., number for name/email) and returns success instead of a validation error.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send PUT /api/v1/user with Authorization: Bearer and body like: <pre>{"name":123,"email":456}</pre>.3. Observe the response.
Expected Behavior	400 Bad Request (or 401 per API contract) with an error indicating missing/invalid fields for update.
Actual Behavior	Returns a non-error status (e.g., 200 OK); test assertion for [400, 401] fails.
Attachments / Screenshots	N/A
Status	Open

Ticket#17

Bug ID	BUG017
Title	Update endpoint accepts null fields (no validation error)
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Delete API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	PUT /api/v1/user accepts null fields and returns a success status instead of rejecting the request as invalid.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send PUT /api/v1/user with header Authorization: Bearer and body: {"name":null,"email":null}.3. Observe the response.
Expected Behavior	400 Bad Request (or 401 per API contract) with an error indicating missing/invalid fields for update.
Actual Behavior	Returns a non-error status (e.g., 200 OK); test assertion for [400, 401] fails.
Attachments / Screenshots	N/A
Status	Open

Ticket#18

Bug ID	BUG018
Title	Deleting a user with a valid token returns 500 Internal Server Error
Severity/Priority	High / High
Date Reported	2025-09-13
Reported By	Ali Yasser
Module	User Delete API
Environment	Windows (PowerShell), Node.js (version unknown), mock-user-auth (npm package, version unknown), Server running at http://localhost:3000
Description	DELETE /api/v1/user with a valid Authorization: Bearer fails with 500 instead of deleting the user.
Steps to Reproduce	<ol style="list-style-type: none">1. Ensure server is running at http://localhost:3000.2. Send DELETE /api/v1/user with Authorization: Bearer .3. Observe the response.
Expected Behavior	200 OK (or 204 No Content) confirming user deletion.
Actual Behavior	500 Internal Server Error.
Attachments / Screenshots	N/A
Status	Open