

GUI Testing Report — CEMS Portal

1. Purpose

This document outlines the GUI testing activities performed for the CEMS Portal.

The objective is to verify the correctness, usability, and visual consistency of all front-end components across different user roles, ensuring that the interface behaves as expected and aligns with design requirements. Most of the Gui testing was done manually.

2. Scope of GUI Testing

GUI testing was performed for the following modules and pages:

General

- Verification of navigation bar components and overall navigation flow
- Testing search bar visibility, responsiveness, and behaviour
- UI consistency checks for homepage elements, buttons, and cards
- Validation of theme switching (light/dark modes)

Authentication

- User login flow UI behaviour
- Signup form layout and field interaction
- Forgot Password interface and input handling
- Show/Hide password feature
- Display of validation messages and error prompts

Admin

- Sidebar layout, responsiveness, and navigation
- Expand/Collapse behaviour for sidebar menus
- General UI alignment and element structure across Admin screens

Organizer

- Sidebar interaction and navigation across modules
- UI behaviour of Create Event and Create Team components
- Event creation interfaces, including forms and date pickers
- Map-related UI components and annotations
- Draft editing interfaces and configuration screens

Student

- UI screens related to event viewing and registration
- Form validation and user feedback during signup and registration

Sponsor

- Inbox interface, including email creation and UI elements
- Admin Panel user interface for uploading media and managing ads

- Visual consistency and behaviour for ad previews and listings
- Visibility rules and layout for public-facing sponsor listings

Reference Source:

- The [spreadsheet](#) that we have created at the time of testing.
- Whole of the testing data is present in the above spreadsheet.

3. Tools & Environment

Tools Used

- **Selenium IDE Recorder** – for recording click-based UI flows.
- **Manual GUI Testing** – for visual checks, usability issues, and non-scriptable behaviours.
- **Google Chrome Developer Tools** – basic inspection (element visibility, console errors).

Testing Environment

- **Operating System:** Windows 11
- **Browser:** Google Chrome (latest version), Microsoft Edge (latest version)
- **Test Data:** Role-based test accounts (Admin, Organizer, Student, Sponsor)
- **Tested On:** Most tests are done in the local host.
- **Network:** Stable broadband connection

4. GUI Test Cases Insights

Navigation & Layout

- Sidebar Collapse/Expand (All Roles) — Passed
- Admin Panel UI Components — Passed
- Organizer Dashboard Buttons (Create Event/Team) — Passed
- Dashboard Button on Home Page — Passed
- Navigation Bar Search — Passed
- Theme Switching — Passed
- Home page – Passed
- Event details page – Passed
- Event listing page – Passed
- My space button – passed.
- Chatbot ui (no response) – failed.
- Navigation to inbox (all roles) – passed.
- Sponsor details are visible – passed
- Sponsors are visible – passed
- System notifications are working (not inbox) – passed
- Filter UI – passed

- Animations working as expected and smooth – passed

Authentication UI

- Show/Hide Password (Signup & Forgot Password) — Passed
- Signup Form GUI (labels, buttons, layout) — Passed
- Forgot Password GUI — Passed
- Login UI – passed

Sponsor UI Components

- Sponsor Inbox UI (Send Button, Drafts View, Input Fields) — passed
- Sponsor Admin Panel (Add Button, Preview Behaviour, Upload UI) — passed
- Sponsor Listing Page (UI visibility of drafts, card layout) — Failed
- Ad button in dashboard not working -failed

Organizer UI Components

- Map UI & Annotation Buttons — Failed
- Event Date Picker UI — Failed
- Draft Event Editing UI — passed
- Team Dropdown UI — passed
- Event Details Page UI (Description display, dark theme) — Passed
- Event listing page UI (events are visible) - Passed

Student UI Components

- Create teams UI – passed
- Event Registration UI — Failed
- Dashboard create buttons not working - failed

Inbox UI Components

- Inbox details are visible – passed
- Sent details are visible – passed
- Drafted events are visible – passed
- Compose mail UI – passed
- Selector is working -passed

Settings UI Components

- The selectors are working – passed
- Preferences change – passed
- Delete account button – not working – failed

Profile UI Components

- The selectors are working -passed
- Profile update and save UI - passed

Other UI Elements

- Back Button on Sponsor Ad View — Failed

- Search Bar Overlap / Misalignment — Passed
- Mail UI Layout in Admin Inbox — Passed