

CSE211 Web Programming, Fall Semester 25/26
Final Course Project

Group04

Members:	ID:	Program:
Omar Khalifa	223101614	CE
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Saga Taha	223104728	CS
Mohamed Samir	223104766	CE

Submission Date: Tuesday, January 6, 2026

Executive summary

EventsX Website will provide users the capability to view upcoming events, search for events based on the category name, event date, and location, register for events using interactive forms, calculate the event related budget, and view updated details about the event. This project focuses on functionality, usability, and compliance with current web standards.

The development included a proper planning phase where a website map, logical folder structuring, as well as wireframing was done. Organizing all the project files as in the requirements, where distinct folders were created with unique names such as HTML pages, CSS files, JavaScript files, images, as well as server scripts.

All the web pages have been written in HTML5 and have been organized in a way consistent with proper nesting, indentation, and accessibility. All the pages contain all the required elements: a header, Navigation Bar, Breadcrumb, and a footer. The required meta tags, titles, alt text for the images, and adequate comments have been included.

The entire website design was done using some external CSS3 files, with a dominant focus on Flexbox for designing the layout of the website. Techniques for designing a website to be responsive have also been used in order to create a smooth effect on different screen sizes, such as for mobile devices and desktop computers. A github repository by user “Saboo24” has been an inspiration for the design and interactivity of EventsX website.

Client side features were developed using vanilla JavaScript (ES6). JavaScript was used for DOM manipulation, event handling, form validation, filtering and searching event data, and implementing an interactive budget calculator. ES6 classes implemented object oriented programming concepts, while dynamic content updates were handled to enhance user experience.

PHP was used as a backend technology in the registration form data process because of its event data. This backend example explains how forms on the client side interact with backend functionalities using GET, or POST methods.

Through validation and testing, quality and reliability were guaranteed. All HTML pages were validated using the W3C Markup Validator, while validation of CSS, JavaScript, and PHP files was done using other tools. Screenshots of the validation result were taken, and errors/warnings were resolved manually. Cross browser compatibility testing was done too, to confirm that the layout, functionality, and performance are all good across web browsers.

During the project making, AI tools were used in a supportive way for code formatting, clarification of requirements, debugging help, error handling, and documentation guidance. These tools were utilized to assist in understanding and to keep things organized but did not dictate control of any implementation details or decisions of the development team. More details about AI usage is in appendix A.

References

GitHub Repository: Hamzaoui, A. [Saboo24]. (2024). Portfolio3: *Fully responsive personal portfolio website* [Source code]. GitHub.

<https://github.com/Saboo24/portofolio3>

Data Collection Sources:

Events.com. (n.d.). *Discover events*. <https://discover.events.com/> The Events Calendar. (n.d.).

The Events Calendar: WordPress event management.

<https://theeventscalendar.com/>

Appendix A - AI Assistance Acknowledgment

Artificial intelligence tools were used in a limited and supportive role during this project. These tools helped with code formatting, clarification of technical requirements, debugging explanations, and guidance on report structure. All coding, design decisions, and documentation were completed by the project team. AI tools were used only to help in understanding and organization, not to generate final implementations. Though, AI was used a lot in writing the Javascripts since we lack training in them and time was tight.

- Gemini (Google): Assisted in interpreting project specifications and provided a plan for the documentation and report structure.
- Claude (Anthropic): Served as a technical aid for identifying logic errors (debugging) and maintaining standardized code syntax and formatting. Also in understanding JavaScript, Backend in PHP and how to tackle the project.
- Grammarly: Used to refine the final report by correcting punctuation, enhancing grammatical accuracy, and improving overall writing clarity and flow.

Appendix B - Team Contribution Breakdown

Samaa Mohamed 223101629

4.3.5.1. HTML5 Validation

4.3.1. HTML Specifications

- index.html Page

- budget-calculator.html Page

4.3.2. CSS Specifications Help if Needed

4.3.3. JavaScript Specifications Main

4.3.4. Universal Page Requirements B) Consistent Navigation Structure

4.2. Web Project Logical Folder Structure

6. Written Report, Appendix B: Team Contribution Breakdown and the rest of the report

Saga Taha 223104728

Ai_Documentation_Report

4.3.5.2. Browser Compatibility Testing

4.3.1. HTML Specifications

- events.html Page

- thank-you.html Page

4.3.2. CSS Specifications Help if Needed

4.3.3. JavaScript Specifications Main

4.3.4. Universal Page Requirements C) Code Quality Standards

6. Written Report, Appendix C - Additional Visualisations

Omar Khalifa 223101614

4.3.1. HTML Specifications

- contact.html Page
- about.html Page
- Multimedia Resources

4.3.2. CSS Specifications Main

4.3.3. JavaScript Specifications Help if Needed

4.1. 3- Website Map

Mohamed Samir 223104766

4.3.6. Backend (Bonus)

4.3.1. HTML Specifications

- registration.html Page

4.3.3. JavaScript Specifications Help if Needed

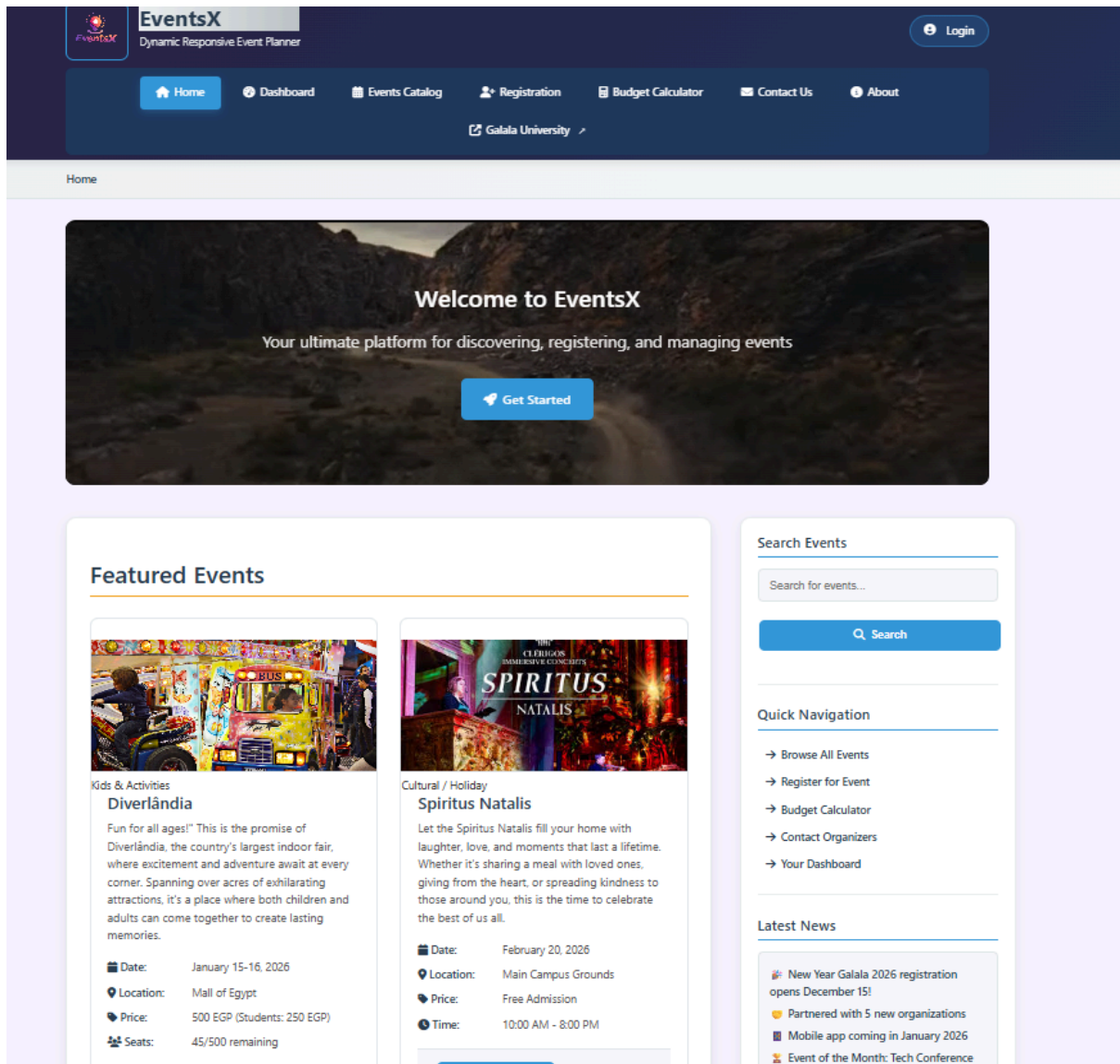
4.3.4. Universal Page Requirements A) HTML5 Semantic Structure

6. Written Report, Appendix A: AI Assistance Acknowledgement

Appendix C - Additional Visualizations

Website

Home page



The screenshot displays the home page of the EventsX website, a dynamic responsive event planner. The header features the EventsX logo, a navigation menu with links to Home, Dashboard, Events Catalog, Registration, Budget Calculator, Contact Us, and About, and a Login button. Below the header, a large hero section with a dark, rocky background contains the text "Welcome to EventsX" and "Your ultimate platform for discovering, registering, and managing events", accompanied by a "Get Started" button. The main content area is divided into two columns. The left column, titled "Featured Events", showcases two event cards: "Diverlândia" (Kids & Activities) and "Spiritus Natalis" (Cultural / Holiday). The right column includes a "Search Events" section with a search bar and a "Search" button, a "Quick Navigation" section with links to Browse All Events, Register for Event, Budget Calculator, Contact Organizers, and Your Dashboard, and a "Latest News" section with three news items: "New Year Galala 2026 registration opens December 15!", "Partnered with 5 new organizations", and "Mobile app coming in January 2026".

EventsX
Dynamic Responsive Event Planner

Login

Home Dashboard Events Catalog Registration Budget Calculator Contact Us About

Galala University


Home

Welcome to EventsX

Your ultimate platform for discovering, registering, and managing events

Get Started


Featured Events



Diverlândia
Kids & Activities

Fun for all ages! This is the promise of Diverlândia, the country's largest indoor fair, where excitement and adventure await at every corner. Spanning over acres of exhilarating attractions, it's a place where both children and adults can come together to create lasting memories.

Date: January 15-16, 2026
Location: Mall of Egypt
Price: 500 EGP (Students: 250 EGP)
Seats: 45/500 remaining



Spiritus Natalis
Cultural / Holiday

Let the Spiritus Natalis fill your home with laughter, love, and moments that last a lifetime. Whether it's sharing a meal with loved ones, giving from the heart, or spreading kindness to those around you, this is the time to celebrate the best of us all.

Date: February 20, 2026
Location: Main Campus Grounds
Price: Free Admission
Time: 10:00 AM - 8:00 PM

Search Events

Search for events...

Search

Quick Navigation

- Browse All Events
- Register for Event
- Budget Calculator
- Contact Organizers
- Your Dashboard

Latest News

- New Year Galala 2026 registration opens December 15!
- Partnered with 5 new organizations
- Mobile app coming in January 2026
- Event of the Month: Tech Conference



Kids & Activities

Diverlândia 2

Get ready for the ultimate thrill ride at Diverlândia 2, where fun knows no limits! 🌊 Dive into a world of excitement, wonder, and jaw-dropping attractions designed to give you the adventure of a lifetime.

- 📅 Date:

March 10, 2026
- 📍 Location:

University Convention Center
- 💰 Price:

100 EGP (Students Free)
- 👥 Companies:

50+ Participating

[👁️ View Details](#)

[📝 Register Now](#)

Latest Announcements

New Event Added: AI Workshop Series

Starting January 2026, join our comprehensive AI workshop series covering machine learning, deep learning, and practical AI applications. Perfect for beginners and experienced developers alike.

📅 December 5, 2025

New

[Learn More](#)

Early Bird Registration Now Open

Register before December 31, 2025 for 20% discount on all paid events. Limited spots available for early registrants. Don't miss this opportunity to save on your favorite events!

📅 December 1, 2025

Limited Time

[Register Now](#)

Get advanced event management features, priority support, and exclusive benefits!

[👑 Learn More](#)














Upcoming Deadlines

- Tech Conference: 4d 0h 5m 32s
- Early Bird Discount: Event Started
- Career Fair: 53d 0h 5m 32s

Events page

Events Catalog

Explore and discover amazing events tailored just for you

Available Events List						
Event	Category	Date & Time	Location	Cost (EGP)	Preview	Actions
Salt & Pepper Supper Club	Food	Jan 3, 2026, 10:00 PM	London	65.00		Register
Spiritus Natalis	Music / Culture	Jan 1, 2026, 9:00 PM	Porto	70.00		Register
Carrossel Veneziano	Leisure	Jan 1, 2026, 12:00 AM	Cascais	40.00		Register
Diverlândia	Business	Jan 1, 2026, 3:00 PM	Lisbon	150.00		Register
Queen Sheeks Jamaican Pop-Up	Food	Jan 2, 2026, 12:00 PM	London	65.00		Register
Diverlândia 2	Business	Jan 6, 2026, 2:00 PM	Lisbon	220.00		Register
Carmen Miranda 2	Culture	Jan 7, 2026, 7:00 PM	Lisbon	90.00		Register
Jonas & Lander 2	Music	Jan 8, 2026, 9:00 PM	Lisbon	100.00		Register
Ano Novo no Lux 2	Leisure	Jan 9, 2026, 11:00 PM	Lisbon	150.00		Register
Spanish Beginner Course	Business	Jan 19, 2026, 7:30 PM	London	200.00		Register
Italian Beginner Course A1	Business	Jan 20, 2026, 6:00 PM	London	220.00		Register
The Gladwin Brothers' Burns Night	Food / Nightlife	Jan 24, 2026, 8:00 PM	London	75.00		Register
The Ultimate Bottomless Tea	Food	Jan 31, 2025, 5:00 PM	London	95.00		Register

Filters

Search

Search by name, location, category...

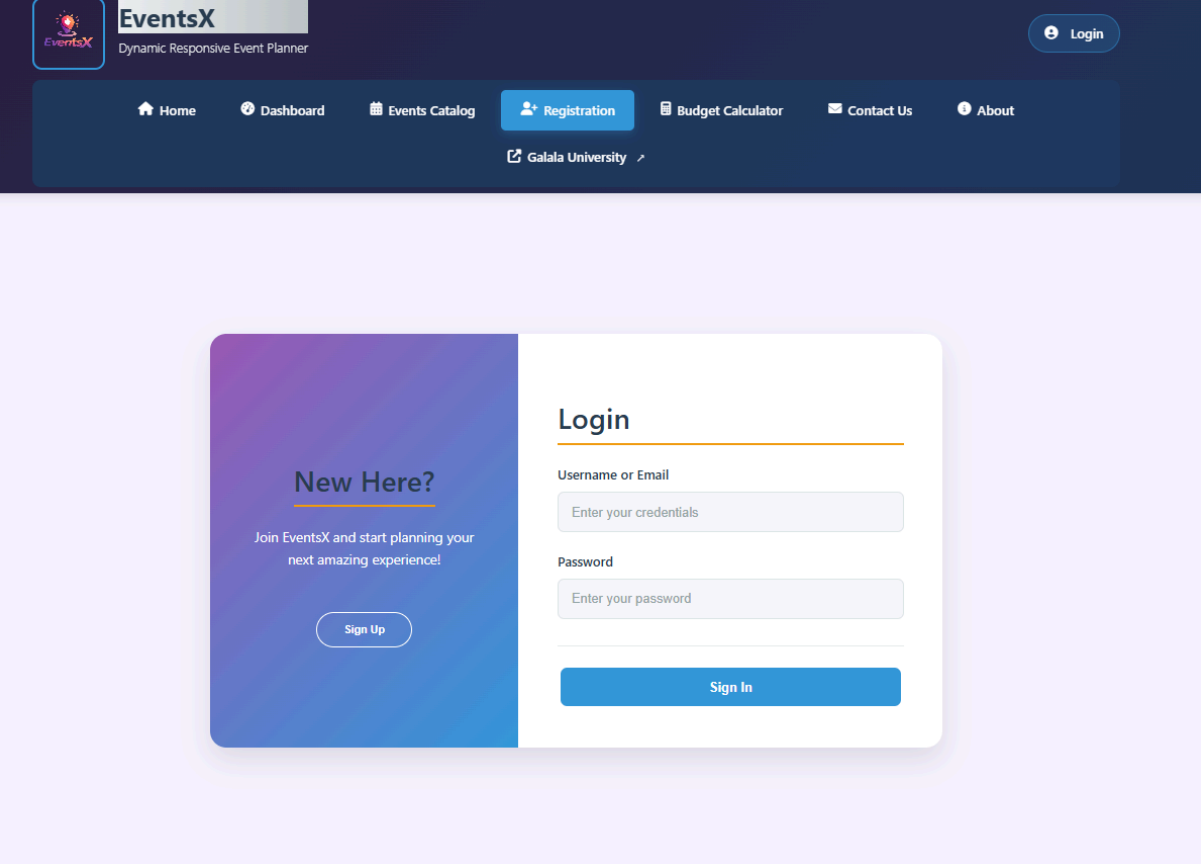
Category

All Categories

Sort By Price

Default

Registration page



The screenshot displays the 'EventsX' web application interface. The top navigation bar is dark blue, featuring the 'EventsX' logo on the left, the text 'Dynamic Responsive Event Planner', and a 'Login' button on the right. Below this, a secondary navigation bar contains links for 'Home', 'Dashboard', 'Events Catalog', 'Registration' (highlighted in blue), 'Budget Calculator', 'Contact Us', and 'About'. A 'Galala University' link with an external icon is also present. The main content area has a light purple background and features a central white card. The card is divided into two sections: 'New Here?' on the left, which includes a 'Sign Up' button, and 'Login' on the right, which includes input fields for 'Username or Email' and 'Password', and a 'Sign In' button.

EventsX
Dynamic Responsive Event Planner

Login

Home Dashboard Events Catalog **Registration** Budget Calculator Contact Us About

Galala University

New Here?
Join EventsX and start planning your next amazing experience!
Sign Up


Login

Username or Email
Enter your credentials

Password
Enter your password

Sign In

Budget-calculator page

**EventsX**
Dynamic Responsive Event Planner

Login

[Home](#) [Dashboard](#) [Events Catalog](#) [Registration](#) **[Budget Calculator](#)** [Contact Us](#) [About](#)

[Galala University](#)

Estimate Your Expenses

Select Event
Custom Event

Ticket Price (EGP)
0

Number of People
1

Transport Budget (EGP)
0

Food Budget (EGP)
0

Accommodation Budget (EGP)
0

Budget Breakdown

Category	Amount	Percent	Notes
Event Tickets	0.00 EGP	0%	1 person(s)
Transport	0.00 EGP	0%	Travel expenses
Food & Meals	0.00 EGP	0%	Catering/Food
Accommodation	0.00 EGP	0%	Hotel / stay expenses
Total	0.00 EGP		

Temp Save

Currency Converter

Amount (EGP)
1000

To Currency
USD - US Dollar

Convert

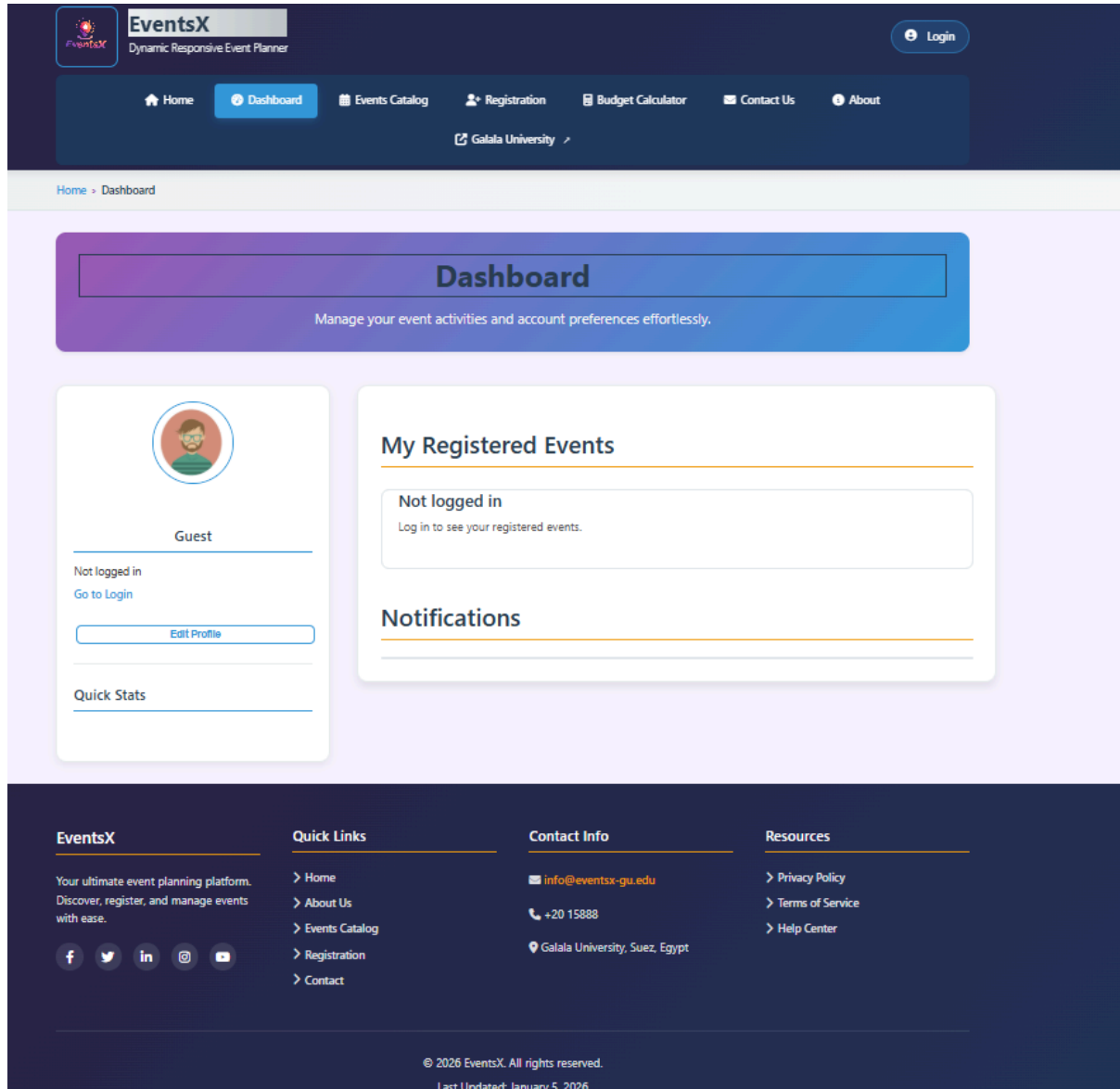
Sponsored

Budget Venues
Find premium venues at budget-friendly prices. Exclusive 15% discount for EventsX users.
Find Venues

Event Catering
Delicious menus for any size event. Get a free tasting session today!
Get Quote

Party Supplies
Decorations, lighting, and sound equipment rentals at unbeatable rates.
Shop Deal

Dashboard page



The screenshot displays the EventsX dashboard, a web application for event planning. The interface features a dark blue header with the EventsX logo and navigation links. The main content area is light purple and includes a large blue 'Dashboard' banner. Below the banner, there are sections for user profile (Guest), registered events (Not logged in), and notifications. The footer contains contact information, quick links, and resources.

EventsX
Dynamic Responsive Event Planner

Home Dashboard Events Catalog Registration Budget Calculator Contact Us About

Galala University

Home > Dashboard

Dashboard

Manage your event activities and account preferences effortlessly.

Guest

Not logged in
Go to Login

Edit Profile

Quick Stats

My Registered Events

Not logged in
Log in to see your registered events.

Notifications

EventsX

Your ultimate event planning platform.
Discover, register, and manage events with ease.

f t in ig y

Quick Links

- > Home
- > About Us
- > Events Catalog
- > Registration
- > Contact

Contact Info

info@eventsx-gu.edu

+20 15888

Galala University, Suez, Egypt

Resources

- > Privacy Policy
- > Terms of Service
- > Help Center

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Last Updated: January 5, 2026

About page

[Home](#) > [About Us](#)

About EventsX

Revolutionizing event planning and management with user-centric digital tools.

Our Mission

"To create seamless, accessible, and memorable event experiences through innovative technology and user-centric design."

- *EventsX Team*

EventsX was born from a simple observation: event planning should be exciting, not stressful. We're dedicated to transforming how organizations manage their events, making the process smoother for both organizers and attendees.

Our Team

Meet the dedicated team behind EventsX and their contributions:

Samaa Mohamed (223101629)

Team Leader

- HTML5 Validation & Specifications (Index, Budget)
- JavaScript Specifications (Main Logic)
- Universal Page Requirements (Consistent Navigation)
- Web Project Logical Folder Structure
- Written Report (Appendix B: Team Contribution)

Saga Taha (223104728)

Developer

- Browser Compatibility Testing
- HTML Specifications (Events, Thank-you)
- JavaScript Specifications (Main Logic)
- Universal Page Requirements (Code Quality)
- Written Report (Appendix C: Additional Visualisations)

Omar Khalifa (223101614)

Designer & Developer


- HTML Specifications (Contact, About)
- Multimedia Resources Management
- CSS Specifications (Main Design)
- 3-Website Map Design
- Written Report (Content & Structure)

Mohamed Samir (223104766)

Backend Specialist

- Backend Implementation (Bonus)
- HTML Specifications (Registration)
- Universal Page Requirements (Semantic Structure)
- Written Report (Appendix A: AI Acknowledgement)

Contact us page

**EventsX**
Dynamic Responsive Event Planner

Login

[Home](#) [Dashboard](#) [Events Catalog](#) [Registration](#) [Budget Calculator](#) [Contact Us](#) [About](#)

[Galala University](#)

Send us a Message

Name *

Email *

Subject

Message *

[Send Message](#)

Contact Information

Address
Galala University, Suez, Egypt

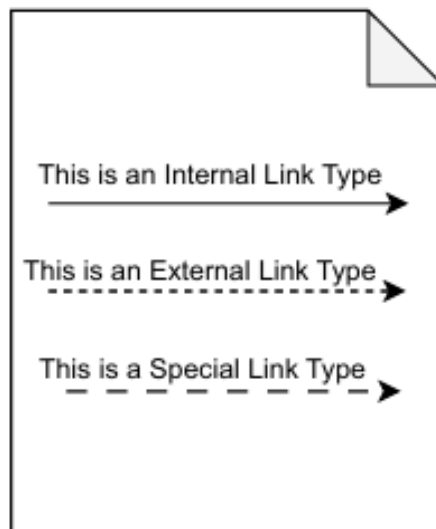
Phone
+20 15888

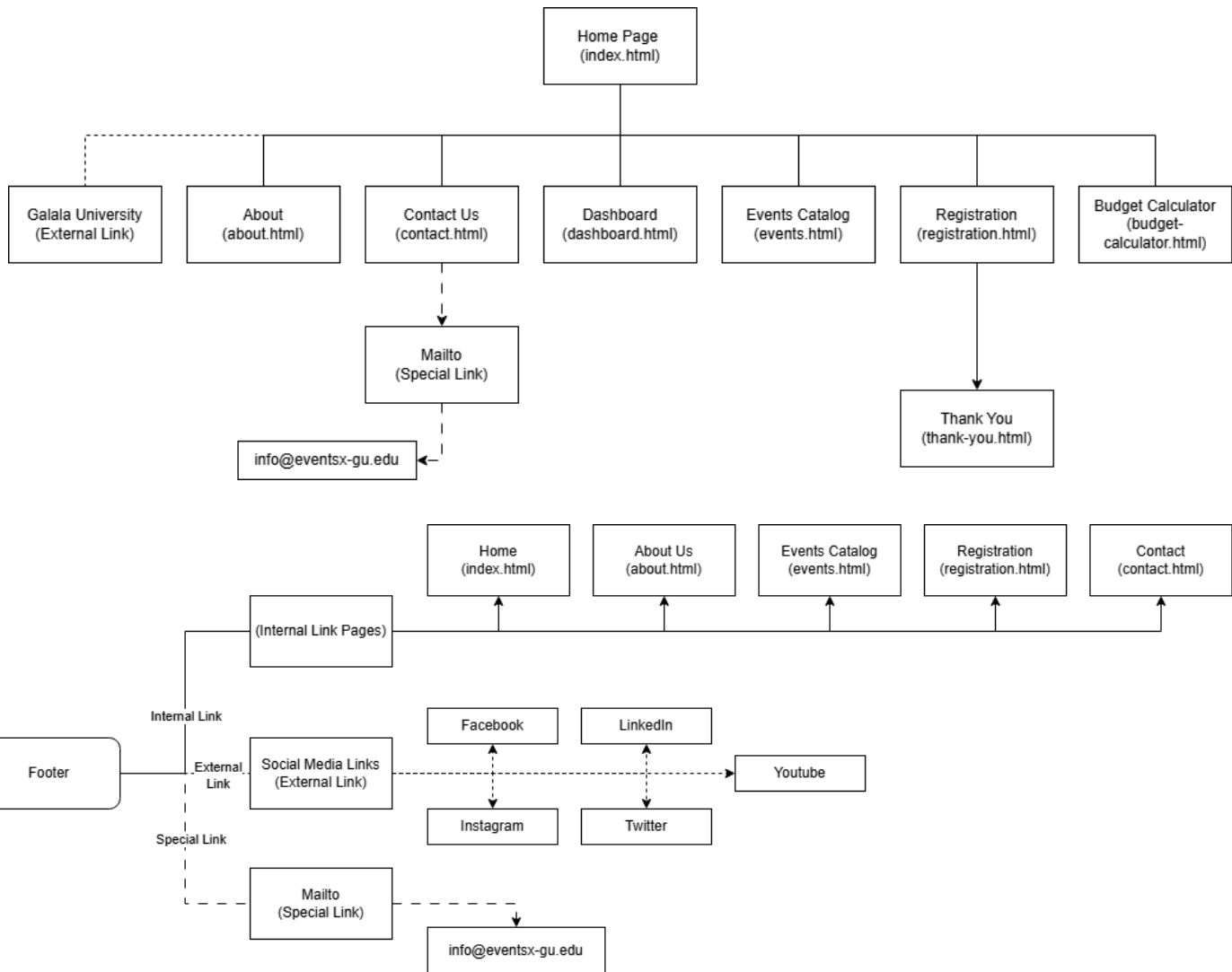
Email
info@eventsx-gu.edu

Follow Us

[f](#) [t](#) [i](#) [in](#)

Map





Visual Structure

Website Map

Folder Structure

```
— Group04_CSE211_FinalProject/
  |— Part1_Performance_Analysis/
  |   |— Performance_Analysis_Report
  |— Part2_Website_Project/
  |   |— index.html
  |   |— pages/
  |   |   |— about.html
  |   |   |— budget-calculator.html
  |   |   |— contact.html
  |   |   |— dashboard.html
  |   |   |— events.html
  |   |   |— registration.html
  |   |   |— thank-you.html
  |   |   |— css/
  |   |       |— contact.css
  |   |       |— dashboard.css
  |   |       |— index.css
  |   |       |— main_style.css
  |   |       |— registration.css
  |   |       |— thank-you.css
  |   |   |— images/
  |   |       |— events/
  |   |           |— event1_salt_pepper_supper_club.jpeg
  |   |           |— event2_spiritus_natalis.jpeg
  |   |           |— event3_carrossel_veneziano.jpeg
  |   |           |— event4_Diverlândia.jpg
  |   |           |— event5_carmen_miranda.jpg
  |   |           |— event6_jonas_lander.jpg
  |   |           |— event7_ano_novo_no_lux.jpg
  |   |           |— event8_the_great_mona.jpeg
```

- | | | | | — event9_concerto_de_ano_novo.jpeg
- | | | | | — event10_queen_sheeks_jamaican_popup.avif
- | | | | | — event11_diverlandia_2.jpg
- | | | | | — event12_carmen_miranda_2.jpg
- | | | | | — event13_Jonas_Lander.jpg
- | | | | | — event14_ano_novo_no_lux2.jpg
- | | | | | — event15_spanish_beginner_course.png
- | | | | | — event16_italian_beginner_course_a1.jpg
- | | | | | — event17_burns_night.webp
- | | | | | — event18_bottomless_afternoon_tea.jpg
- | | | | | — event19_pizza_making_class.jpeg
- | | | | | — event20_plant_based_food_fest.jpg
- | | | | | — event21_shanghai_lounge.jpeg
- | | | | — hero.png
- | | | | — logo.png
- | | | | — profile.png
- | | | | — validation_ss/
- | | | — registration.html
- | | | — scripts/
- | | | | — auth.js
- | | | | — budget-calculator.js
- | | | | — events.js
- | | | | — main.js
- | | | | — thank-you.js
- | | | — thank-you.html
- | | | — videos/
- | | | | — hero.mp4
- | — Part3_Documentation/
- | | — CSE211_FinalProject_Group[04]_Report
- | | | — Website_Map.pdf
- | | | — Validation_Report.pdf
- | | | — Ai_Tools_Usage_Documentation.pdf
- | | | — Browser_Testing_Report.pdf
- | | | — README.md