Event Planning Web Application

The event planning website allows users to create and view upcoming events through a user-friendly interface. Users can submit event details via a web form, which are then processed by a PHP script on the server. This script connects to a MySQL database to store the submitted data securely. When users access the event listing page, the website dynamically retrieves the stored event information from the database using server-side scripts and displays it in real time using JavaScript. This client-server interaction ensures that the application remains responsive and data-driven while maintaining a clear separation between the presentation, logic, and data layers.

Figure1. Interaction diagram

A diagram of a web page

AI-generated content may be incorrect.

# Step-by-Step Interaction Flow:

1. 1. The client (browser) sends a GET request to load the registration form (register.html).
2. 2. The server responds with the HTML form for the user to fill out.
3. 3. The user submits the form, triggering a POST request to the server (addEvent.php) with the event data.
4. 4. The server includes db\_connect.php to establish a connection to the MySQL database.
5. 5. A new record is inserted into the 'events' table using the submitted data.
6. 6. The server sends back a confirmation message to the client indicating success or failure.
7. 7. To view events, the client sends a GET request for events.html.
8. 8. The server returns the HTML structure for listing events.
9. 9. The client (via JavaScript) sends an AJAX request to getEvents.php to retrieve event data.
10. 10. The server queries the database and returns event data as a JSON response.
11. 11. The client parses the JSON and displays the events dynamically on the webpage.