**Event Planning System**

**Assignment 2**

**CST8255 – Web Programming**

**Professor – Alem Legesse**

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**Web Map:**

**A diagram of a company

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**Database Description:**

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The database for the **Event Planning System** is named event\_planner and contains the following tables:

**1. events Table**

Stores details of events added by users.

**2. users Table**

Manages user accounts and roles.

**Key Features**

* **Relationships**: The tables are independent but can be connected for advanced functionalities like assigning events to users.
* **Security**: Prepared statements are used for secure interactions, and passwords are hashed before storage.
* **Scalability**: Supports dynamic addition of more event or user-related features.

This structure ensures data integrity and provides a solid foundation for event management.

**Functionality Guide:**

* **User Management:** Users can register with roles, securely log in, and access event functionalities.
* **Event Management:** Add, view, and search for events by title, location, or type, with RSVP tracking.
* **Navigation:** Seamless navigation for managing events, searching, and user registration.

**Special Coding Considerations:**

1. **Input Validation**: All user inputs are validated on both client-side and server-side to prevent invalid data entry and improve security.
2. **Prepared Statements**: SQL queries use prepared statements to protect against SQL injection attacks.
3. **Responsive Design**: CSS ensures the website is mobile-friendly and provides a consistent experience across devices.

**Screenshots:**

**A screenshot of a website

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**A screenshot of a login form

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**A screenshot of a search box

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**A screenshot of a login form

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**A screenshot of a green and white event list

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