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**Event Genesis**

**Project Description**

Event Genesis is a versatile event management platform designed to bridge the gap between event organisers and participants. It provides a dynamic environment where users can seamlessly switch roles between being an event organizer and an attendee. This platform is built to cater to a wide range of events, making it easier for users to search, register, and manage events according to their interests and requirements.

**Technology Stack**

* **JSF (JavaServer Faces):** A Java specification for building component-based user interfaces for web applications.
* **PrimeFaces:** An open-source UI framework for JSF featuring over 100 components that cover almost all basic needs of a web application.
* **Java EE (Java Platform, Enterprise Edition):** The standard in community-driven enterprise software, Java EE is a popular platform for building and running scalable, reliable, and secure applications.
* **CSS:** Used for styling the web pages to provide a better user experience.

**Requirements**

To get started with Event Genesis, you will need to set up the database environment as follows:

* **Database:** Java DB (Derby)
* **Database Name:** EventManagementDB
* **Username:** administrator
* **Password:** password

Ensure that your development environment meets these requirements for a smooth setup and execution of the platform.

**Installation**

[Provide step-by-step instructions on how to get a development environment running.]

1. Clone the repository to your local machine.
2. Ensure you have Java EE and JSF installed and configured.
3. Set up your Java DB instance with the name **EventManagementDB**.
4. Update the database connection settings in the application to match your username and password.
5. Deploy the application to a Java EE compatible server (e.g., GlassFish).

**Notable Features**

Event Genesis comes packed with a variety of features designed to enhance the user experience for both event organizers and participants:

* **Search for Events:** Users can easily search for events based on various criteria, making it easier to find events that match their interests.
* **Register/Unregister from Event:** Seamless registration process allows users to sign up for events with ease. Similarly, users can also unregister if they decide not to attend.
* **Create New Event:** As an organizer, you can create new events, specifying all necessary details such as event date, time, location, and description.
* **Mark Attendance for Event:** Organizers can mark attendance for their events, helping in managing and tracking participant engagement.
* **Edit Profile:** Users can edit their profile information to keep it up to date with their contact details.

**Assumptions**

* Each email address is limited to the creation of one account only.
* Event organisers are prohibited from deleting events that already have registered participants.