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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**

* **React:** A declarative, efficient, and flexible JavaScript library for building user interfaces. React allows developers to create large web applications that can change data without reloading the page, offering a more responsive web experience.
* **Material-UI:** An open-source project that features React components that implement Google's Material Design. With over 1000 different components, Material-UI provides a wide range of UI components that are customizable and work efficiently with React applications.
* **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).
6. For the frontend, use your favourite code editor and change directory to the frontend folder.
7. Run npm install to initiate the project’s dependencies followed by npm start to deploy the front-end application

**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 photo, 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.
* **View Other User’s Profile:** Users can access other users profile in the event detail page to see the user’s past and upcoming events.

Bonus features highlighted in yellow