**Event Countdown Application**

**Overview**

The **Event Countdown Application** allows users to add events with a date and time. It then calculates and displays the remaining time until each event.

**Features**

* Add an event with a name and date/time.
* Display a list of upcoming events.
* Show the remaining time for each event dynamically.

**Technologies Used**

* **Frontend**: Angular, TypeScript, HTML, CSS
* **Backend (if needed)**: Node.js, Express

**Project Structure**

* **app.component.ts**: Handles logic for adding and managing events.
* **app.component.html**: Provides the UI structure.
* **event.service.ts**: Manages event-related functionalities.
* **app.module.ts**: Configures the Angular module (if manually added).

**How to Run the Project**

1. **Install dependencies**:
2. npm install
3. **Run the application**:
4. ng serve
5. Open http://localhost:4200 in your browser.

**Data Flow Diagram**

Below is the data flow representation of the application:

User --> [UI: app.component.html] --> [Component Logic: app.component.ts] --> [Service: event.service.ts] --> [Backend (if used)]

* The **User** interacts with the UI.
* The **UI Component (app.component.html)** captures user input.
* The **Component Logic (app.component.ts)** processes the data and interacts with the service.
* The **Service (event.service.ts)** manages event data and interactions with the backend (if used).
* Data is displayed dynamically on the UI.

**Future Enhancements**

* Add notifications for upcoming events.
* Improve UI with better styling.
* Store events in a database for persistence.

This documentation provides a simple explanation of how the **Event Countdown Application** works.