Details About The app:

**[Here , Every Component is functional component.There is no class component's use case for this app.]

Behaviour of App Component:

Here App component is the parent component of all component. The App component is consist of some state.Here, to use state taking the help of useState hooks. There are three state is present in App component. The userZone state is the most of them. Here, This state is used for storing all the data needed for the TrackZone reactApp. The flag state is used for conditinaly rendering the UI. The uiDataTransfer state is used for trasnfering UI data from between siblings components.

SelectTimeZone Component:

The use case of this component are creating mainUser clock and client's zone clock. While creating clock this component take input from the mainUser.These input are Client's Clock Tittle and The time zone offset of the Client. After taking these data , these will strore with unique id in the userZone state within object from. The key name offset of the clint's Clock in userZone state is value and the tittle is tittle.

EditClientClock Component :

This component is used for edit the information of stored client-clock in the userZone state. The editable information is tittle and offset.
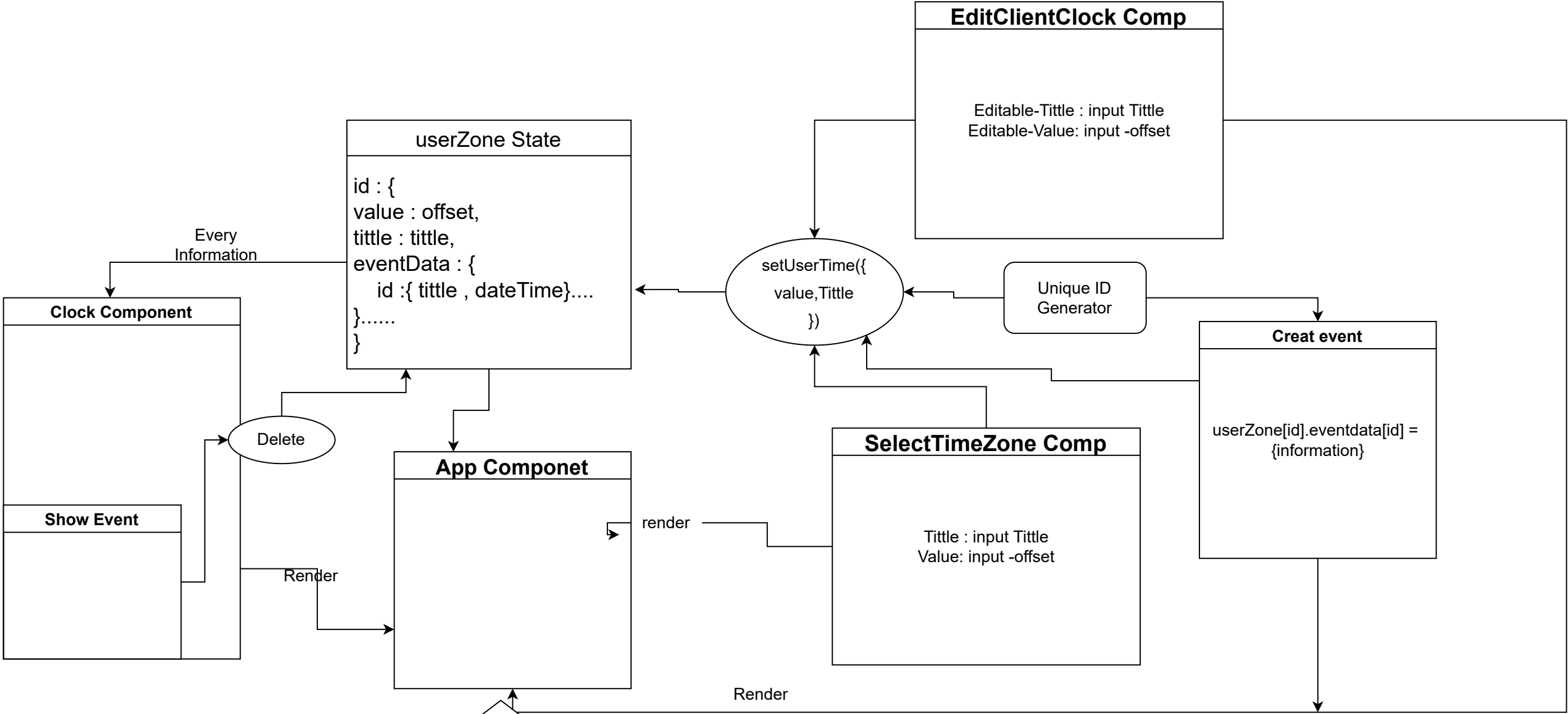
CreatEvent Component:

This componet will work under the individual client's clock which was stored in the userZone state. We know that each Client's clock has unique ID. This component will identify the client's clock with the ID and will create event under the client's clock. And store the event information in the userZone state under the Unique ID. Like as: userZone[id].eventData[eventID] = {...information}.

Clock Component:

This Component is used for showing the information of each individual client to UI. The information of individual client are Tittle, client's native time zone clock and events.

ShowEvent Component:

It's the component which usually used under the Clock compponent. Because each idividual client has a Clock and all events under the Client's clock.

EditClientClock Comp

Editable-Tittle : input Tittle
Editable-Value: input -offset

userZone State

id : {
value : offset,
tittle : tittle,
eventData : {
id :{ tittle , dateTime}....
}......
}

setUserTime({
value,Tittle
})

Unique ID Generator

Creat event

userZone[id].eventdata[id] = {information}

Clock Component

Every Information

Delete

Show Event

App Componet

render

Render

SelectTimeZone Comp

Tittle : input Tittle
Value: input -offset

Render

flag State for Conditional rendering:

flag= 7) SelectTimeZone Component for creating main User
flag = 0) SelectTimeZone Component for creating client's clock
flag = 1) render all the userZone state information by Clock and showEvent component.
flag= 2) render EditClientClock component for edit stored userZone state client's information.
flag = 13) render CreatEvent component for creating event for specific client.
flag= 34) for frocefully rerender the app component