

**Duration: 60min**

**Problem:**

### **Craft Demo – Smart Meeting Organizer**

Create a ReactJS webapp which help in adding a meeting getting the best free room available.

You will get a ready GraphQL server available which can be used to fetch entities such as Buildings, Meetings and MeetingRooms etc.. You can also run mutation query to add more to it.

You can find few sample mockup of UI below, feel free to use your imagination.

**User should be able to do following operations:**

1. First page should show info about Buildings, Meeting Rooms and Meetings (Refer Mock UI)
2. User should be able to click on Add meeting button and move on to second page where it can take relevant inputs to add a meeting. Inputs such as Date, Start and End time, Building etc. (refer mock UI)
3. On clicking next, show user the list of meeting rooms in that building. User will select a meeting room and confirms the booking by clicking on 'Save' button.
4. [*Optional – good too have*] Show only available meeting rooms (from step 3) for the specified date and time (from step 2).

### **GraphQL Server Info**

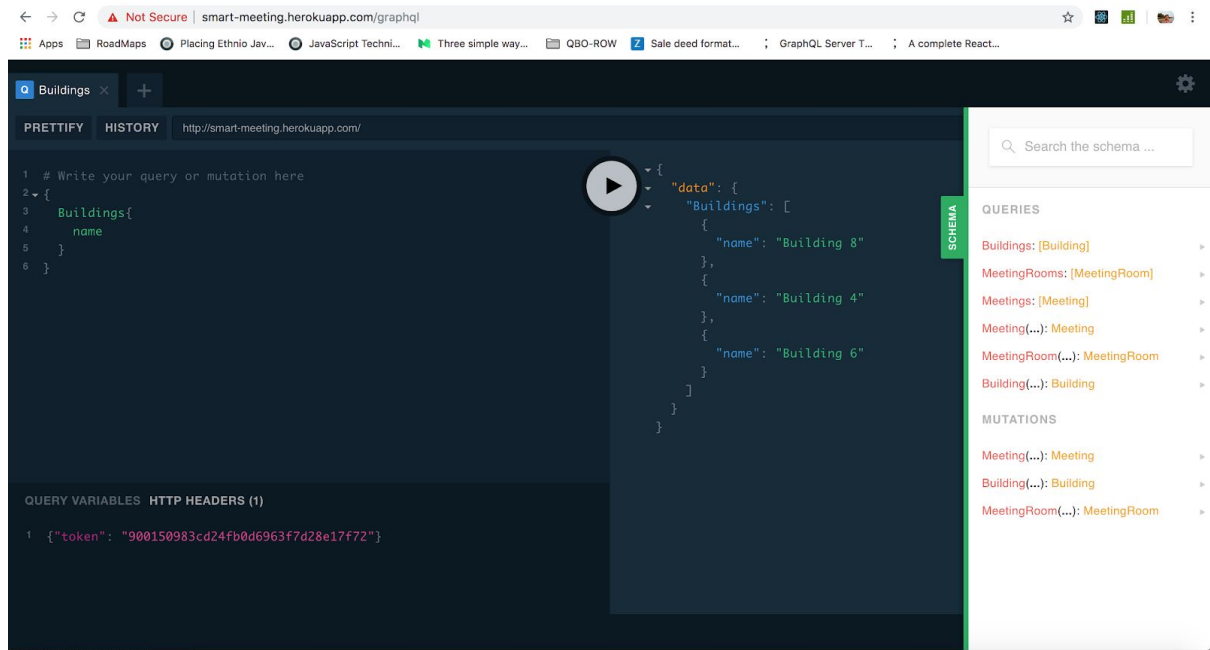
Server: <http://smart-meeting.herokuapp.com>

PlayGround - <http://smart-meeting.herokuapp.com/graphql>

**IMPORTANT: Please add a token of your choice, preferred hash code in headers while making request e.g. {"token":"a123gjhgsdf6576"}**

You will already find some sample data when you start. You can feel free to add more data.

**Note:** *It's not mandatory to use GraphQL. You can use something of your own (static data objects in code)*



## Fetch All Buildings

```
{
  Buildings {
    name
    meetingRooms {
      name
      meetings {
        title
        date
        startTime
        endTime
      }
    }
  }
}
```

### **Fetch All Meeting Rooms**

```
{  
  MeetingRooms {  
    name  
    floor  
    building {  
      name  
    }  
    meetings {  
      title  
    }  
  }  
}
```

### **Add a Meeting**

```
mutation {  
  Meeting(  
    id: 1  
    title: "Booked3"  
    date: "13/02/2019"  
    startTime: "21:00"  
    endTime: "22:00"  
    meetingRoomId: 1  
  ) {  
    id  
    title  
  }  
}
```

Building 4

✓ Building 4

Building 6

Building 8

Buildings

Total 4

Rooms

Total 20

Free Now 5

Meetings

Total 100 Today

Total 10 Going on now

Add a Meeting

Add Meeting

Date

Start Time

End Time

Select Building

Next

Please select one of the Free Rooms

Punjab

Building 8

Floor 7

Tamil Nadu

Building 8

Floor 7

Kaveri

Building 8

Floor 4

Aryabhatta

Building 8

Floor 2

Save