JPMC Interview Exercise

Application summary

This is a web application built in React and its purpose is to manage events, where the user can see, create and subscribe/unsubscribe to them.

Guidelines

NOTE: you are provided with **use cases, wireframes and API configuration (see Appendix below)**.

- The application should be written in **JavaScript**.
- A GUI is required. **Use React.js**
- Write down all assumptions you make, since you will not be able to ask any questions.
- The source code should be suitable for forming part of the object model of a production application.
- Feel free to use any other external library you may need.
- Unless told otherwise, please submit your responses **before 8:00am on the Monday** following your first interview.
- Do NOT upload your code to public websites such as github.

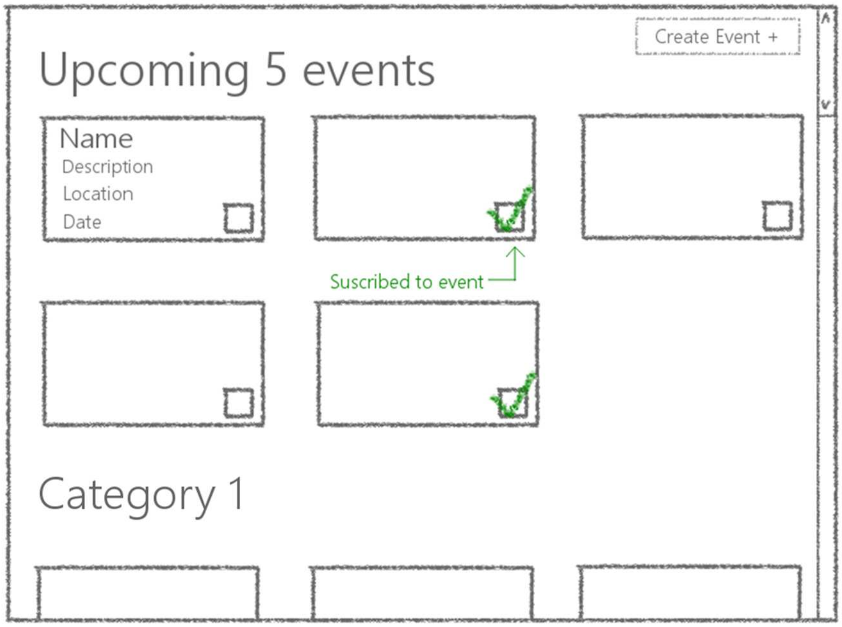
Appendix

Use cases

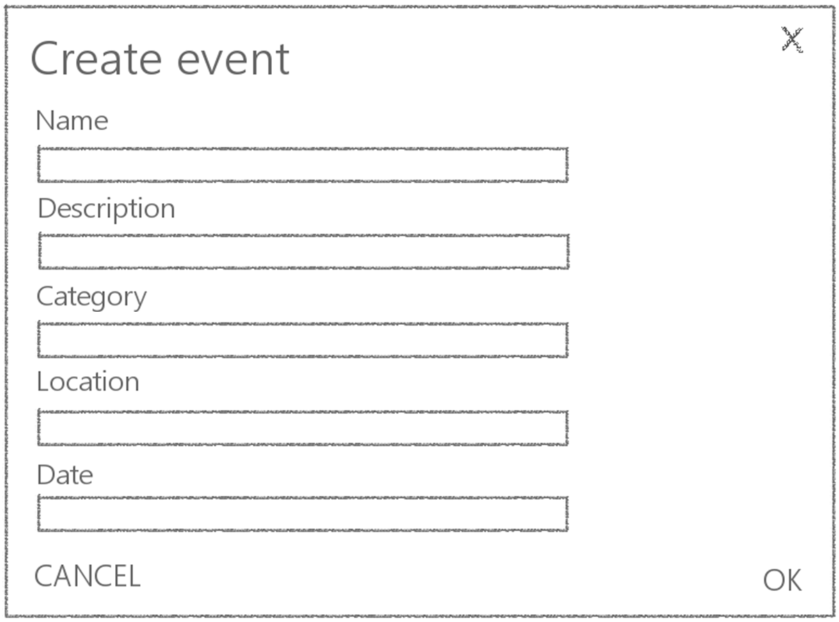
- As a user, I would like to:
  - Be able to access a dashboard with a list of events
  - See the list of events listed by categories, with the title being the category name
  - Have at the beginning a separated title for **"Upcoming 5 Events"**, where I can see the next 5 events that will occur chronologically
  - Have the events that appear in Upcoming 5 Events, be excluded from the other category lists
  - Be able to subscribe/unsubscribe to events
  - Create an event with the following fields: Name, Description, Category, Location, Date
  - Have the following possible **Categories**:
    1. Work
    2. Sportive
    3. Lunches
    4. Voluntary service

Wireframes

Dashboard



Event Creation



Configure API

In order for the application to run you are going to need a service to fetch and store events. The server will be built using **json-server** (https://github.com/typicode/json-server):

```
> npm install --save json-server
```

Now we'll just need to create a **db.json** file in the project folder root with the following content:

```
{
  "events": [
    {
      "id": 0,
      "name": "SCRUM Alliance Catch-up",
      "description": "Monthly catch-up from SCRUM Alliance",
      "location": "Palo Alto - California",
      "date": "2022-02-02",
      "categoryId": 0
    },
    {
      "id": 1,
      "name": "Burgers at Dellepiane",
      "description": "Join the whole team for burgers at Dellepiane",
      "location": "Luis Dellepiane 685",
      "date": "2022-05-31",
      "categoryId": 2
    },
    {
      "id": 2,
      "name": "Brazilian Fight Club",
      "description": "Jiu jitsu and wrestling",
      "location": "Corrientes 242",
      "date": "2022-05-01",
      "categoryId": 1
    },
    {
      "id": 3,
      "name": "Skip level lunch",
      "description": "Lunch for networking and team building",
      "location": "Root Bar Cafe",
      "date": "2022-06-20",
      "categoryId": 0
    },
    {
      "id": 4,
      "name": "Feed our Bearded Dragons",
      "description": "Feed wild & free Bearded Dragons",
      "location": "Palermo woods",
      "date": "2023-11-10",
      "categoryId": 3
    },
    {
      "id": 5,
      "name": "Helping goats",
      "description": "Come to help our little friends",
      "location": "La Noria Bridge",
      "date": "2022-08-02",
      "categoryId": 3
    },
    {
      "id": 6,
      "name": "Pokemon GO classes for elders",
      "description": "Come and share your expertise",
      "location": "Lanus City",
      "date": "2022-10-02",
      "categoryId": 3
    },
    {
      "id": 7,
      "name": "Wine Taste",
      "description": "Come to taste the best wines in Argentina",
      "location": "Bodega The Goat",
      "date": "2022-01-02",
      "categoryId": 2
    }
  ],
  "categories": [
    {
      "id": 0,
      "name": "Work"
    },
    {
      "id": 1,
      "name": "Sportive"
    },
    {
      "id": 2,
      "name": "Lunches"
    },
    {
      "id": 3,
      "name": "Voluntary Service"
    }
  ]
}
```

To run the server, execute the following command on a terminal, you should see an output like this:

```
> \{^_^}/ hi!

  Loading db.json
  Done

  Resources
  http://localhost:3000/events
  http://localhost:3000/categories

  Home
  http://localhost:3000

  Type s + enter at any time to create a snapshot of the database
```