Full Stack Developer Interview

Job Title: Full Stack Developer   **Location: Panaji**
Department: Software
Test Duration: 16 Hours

Introduction
Create a website to List and Create Projects as explained in the below requirements. Share a link to the application and also share the code using github repository.

Technology Preference
Backend : Node JS
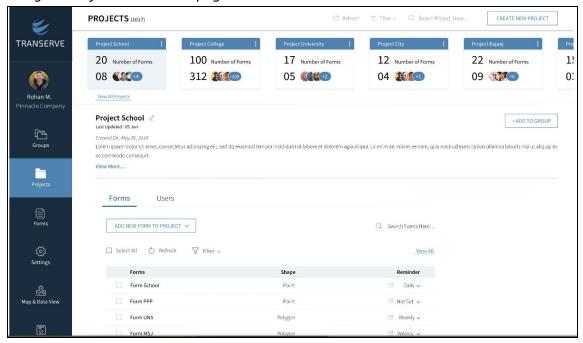**Front End :** React or Angular
Database : MySQL or PostgresQL

Assumptions : Feel free to use dummy data wherever necessary

Requirements

Screen 1:
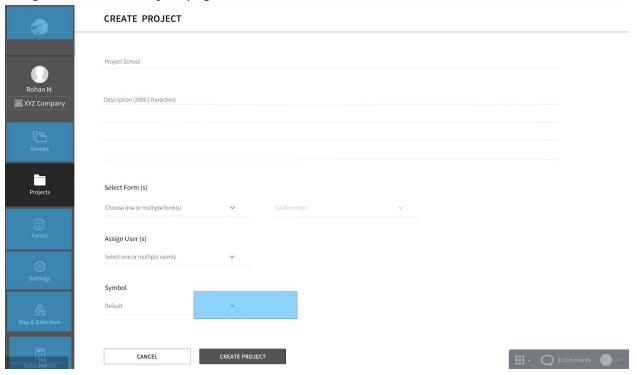
Design a Project Dashboard page as below

1. You need to write REST APIs to fetch data.
2. Data should be fetched from database using APIs.
3. You can use sample Project listing data provided in JSON format.
4. Project list should be horizontally scrollable.
5. Should able to search Project from list.
6. Should load selected project data on click of card.
7. Create Project Screen should open on click of the button "Create Project"

Screen 2:
Design Create New Project page as below

1. Project should be saved in database using APIs.
2. Add Dummy Entries for forms, users and Symbols

Sample JSON Data

```
{
    data:[
      {
          id: 1,
          project: 'Project School',
          formsubmitted: '20',
          total: '08',
          lastupdated: '05 Jun',
          createdon: 'May 29, 2018',
```

```
            description: 'Lorem Ipsum is simply dummy text of the printing and typesetting
industry. Lorem Ipsum has been the industry standard dummy text ever since the 1500s,
when an unknown printer took a galley of type and scrambled it to make a type specimen
book.',
            count: '4',
             profile: [
                {firstName: "Virat", lastName: "Kohli", age: '31' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263697.20.jpg"},
                {firstName: "Suresh", lastName: "Raina", age: '30' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/202700/202703.1.jpg"},
                {firstName: "Ajinkya", lastName: "Rahane", age: '29', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263694.1.jpg"},

            ]
        },
        {
           id: 2,
           project: 'Project College',
           formsubmitted: '100',
           total: '312',
           lastupdated: '05 Jun',
           createdon: 'May 29, 2018',
           description: 'Lorem Ipsum is simply dummy text of the printing and typesetting
industry. Lorem Ipsum has been the industry standard dummy text ever since the 1500s,
when an unknown printer took a galley of type and scrambled it to make a type specimen
book.',
            count: '309',
            profile: [
                {firstName: "Virat", lastName: "Kohli", age: '31' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263697.20.jpg"},
                {firstName: "Suresh", lastName: "Raina", age: '30' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/202700/202703.1.jpg"},
                {firstName: "Ajinkya", lastName: "Rahane", age: '29', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263694.1.jpg"},

            ]
        },
        {
           id: 3,
           project: 'Project University',
           formsubmitted: '17',
           total: '05',
           lastupdated: '05 Jun',
           createdon: 'May 29, 2018',
           description: 'Lorem Ipsum is simply dummy text of the printing and typesetting
industry. Lorem Ipsum has been the industry standard dummy text ever since the 1500s,
when an unknown printer took a galley of type and scrambled it to make a type specimen
book.',
```

```
          count: '1',
          profile: [
              {firstName: "Suresh", lastName: "Raina", age: '30' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/202700/202703.1.jpg"},
              {firstName: "Ajinkya", lastName: "Rahane", age: '29', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263694.1.jpg"},
              {firstName: "MS", lastName: "Dhoni", age: '37', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263700/263705.20.jpg"},

          ]
        },
        {
          id: 4,
          project: 'Project City',
          formsubmitted: '12',
          total: '04',
          lastupdated: '05 Jun',
          createdon: 'May 29, 2018',
          description: 'Lorem Ipsum is simply dummy text of the printing and typesetting
industry. Lorem Ipsum has been the industry standard dummy text ever since the 1500s,
when an unknown printer took a galley of type and scrambled it to make a type specimen
book.',
          count: '4',
          profile: [
              {firstName: "Virat", lastName: "Kohli", age: '31' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263697.20.jpg"},
              {firstName: "Suresh", lastName: "Raina", age: '30' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/202700/202703.1.jpg"},
              {firstName: "Ajinkya", lastName: "Rahane", age: '29', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263694.1.jpg"},

          ]
        },
        {
          id: 5,
          project: 'Project Bajaaj',
          formsubmitted: '20',
          total: '08',
          lastupdated: '05 Jun',
          createdon: 'May 29, 2018',
          description: 'Lorem Ipsum is simply dummy text of the printing and typesetting
industry. Lorem Ipsum has been the industry standard dummy text ever since the 1500s,
when an unknown printer took a galley of type and scrambled it to make a type specimen
book.',
          count: '6',
          profile: [
              {firstName: "Suresh", lastName: "Raina", age: '30' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/202700/202703.1.jpg"},
```

```
            {firstName: "Ajinkya", lastName: "Rahane", age: '29', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263694.1.jpg"},
               {firstName: "MS", lastName: "Dhoni", age: '37', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263700/263705.20.jpg"},
            ]
        },
        {
          id: 6,
          project: 'Project School',
          formsubmitted: '20',
          total: '08',
          lastupdated: '05 Jun',
          createdon: 'May 29, 2018',
          description: 'Lorem Ipsum is simply dummy text of the printing and typesetting
industry. Lorem Ipsum has been the industry standard dummy text ever since the 1500s,
when an unknown printer took a galley of type and scrambled it to make a type specimen
book.',
           count: '4',
           profile: [
             {firstName: "Suresh", lastName: "Raina", age: '30' , imageURL:
"http://p.imgci.com/db/PICTURES/CMS/202700/202703.1.jpg"},
               {firstName: "Ajinkya", lastName: "Rahane", age: '29', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263600/263694.1.jpg"},
               {firstName: "MS", lastName: "Dhoni", age: '37', imageURL:
"http://p.imgci.com/db/PICTURES/CMS/263700/263705.20.jpg"},
            ]
        },
      ],

forms: [
        {
          id: 1,
          name: 'Form XYZ',
          shape: 'Point',
          updateddate: 'Jun 04',
          createdon: 'May 29, 2018',
        },
        {
          id: 2,
          name: 'Form MNO',
          shape: 'Point',
          updateddate: 'Jun 02',
          createdon: 'May 29, 2018',
        },
        {
          id: 3,
          name: 'Form XYW',
          shape: 'Polygon',
```

```
    updateddate: 'Jun 05',
    createdon: 'May 29, 2018',
  },
  {
    id: 4,
    name: 'Form PQR',
    shape: 'Polygon',
    updateddate: 'Jun 12',
    createdon: 'May 29, 2018',
  },
  {
    id: 5,
    name: 'Form ABC',
    shape: 'Polygon',
    updateddate: 'Jun 11',
    createdon: 'May 29, 2018',
  },
  {
    id: 6,
    name: 'Form QWERTY',
    shape: 'Polygon',
    updateddate: 'Jun 04',
    createdon: 'May 29, 2018',
  }, ]  }
```