Kinduct Full-Stack Engineering Take Home Coding Challenge

Problem Description - Back End

Write a RESTful web service that ingests JSON files, parses them, and stores them in a normalized database. The following end points are expected.

1. An endpoint to which a user can upload a .json file.
2. An endpoint in which a user can view all resources.
3. An endpoint in which a user can view a specific resource.
4. An endpoint in which a user can delete a specific resource.

Normally we would give a developer more room regarding framework choices, but due to the nature of this test, you must make use of Codeigniter 3.

The file upload endpoint should only accept a .json file, with the following structure:

```
{
  "Players": [
    {
      "Name": <string>,
      "Age": <int>,
      "Location": {
        "City": <string>,
        "Province": <string>,
        "Country": <string>
      }
    }
  ]
}
```

Problem Description - Front End

Write a simple SPA in React to utilize the end points created above.

5. A view in which a user can upload a .json file.
6. A view in which a user can view all resources.
7. A view to view a specific resource.

Please refer to the following mockups for guidelines on the interface specifications.

What We Are Looking For

1. A working solution
2. Code quality (organization, modularity, modeling, testing, .etc)
3. Your ability to follow instructions
4. Well documented code
5. Clearly defined models
6. RESTful design

Submission

We understand that people are busy, the above assignment should take 3 to 5 hours of straight development if you have built a similar solution before. Feel free to break those hours apart over the next few days. The solution must be saved in a private Git repository, the Git repository readme file should include information about how to build and run the application.