



Introduction

Before you become a part of our team, we would like to see your approach for solving a task that covers several aspects we are interested in. Hence, our requirement is that you solve the task described below following these principles:

1. Use React and Redux.
2. Mock the API responses.
3. Use any framework/dependency in the given languages in order to implement the solution (Recommended: Webpack, styled components, create-react-app)

Let us know the browser and node/npm versions to run the application.

Task Description

Aim of the exercise is to generate a form to handle user roles in multiple projects. Each user can be assigned just one role per project. The list of users, roles, projects and the save action should execute a call to an API, you can mock it.

Working data

```
const users = [{ id: 1, name: 'John Doe' }, { id: 2, name: 'Alice' }, { id: 3, name: 'Bob' }]  
  
const roles = [{ id: 1, name: 'Admin' }, { id: 2, name: 'Editor' }, { id: 3, name: 'Viewer' }]  
  
const projects = [{ id: 1, name: 'Trip to space' }, { id: 2, name: 'Assembly Ikea furniture' }, { id: 3, name: 'Datumize Zentral' }]
```

What will be evaluated

1. Use of React and Redux.
2. UX.
3. Use of custom simple components.
4. High quality of the code:
 - a. Code is documented by itself.
 - b. Unit testing.
 - c. System is well tested against system failures that may occur.

Good luck!
Datumize Engineering Team