

Assignment

In this assignment, you are expected to implement a basic application with React. Please submit your projects, as much as you have done.

Details

Application starts with a classical Login / Register page where users can either login with username and password or register if they don't have any account.

After Login, There will be 3 pages,

A homepage displays statical reports regarding tables, "There are X numbers of companies in the system", "Lastly added companies:" (Lists 3 latest added companies), etc. any creative display panels. These panels are dynamically updated changes on their data.

A table page for companies where companies are listed in a table. New companies can be added and existing companies can be edited or removed. Companies have following fields: - Company Name - Company Legal Number - Incorporation Country - Website

A table page for products where products are listed in a table. New products can be added and existing products can be edited or removed. Products have following fields: - Product Name - Product Category - Product Amount - Amount Unit - Company (In relation with companies from Company table)

You can use mock data to simulate database related operations such as listing companies & products. Checking users Login, and on each create update delete operations you can modify these mock data. We are expecting to see how you use features of React.

Suggestion: In our development environment we are using Antd components. So you can use those components to create Tables.

Bonuses

- [] Any extra functionalities on tables (sorting, filtering, searching, pagination etc.)
- [] A simple NodeJS - Express implementation to transfer all mock data to a server like structure and Application fetches all necessary data from that server.
- [] A No-SQL system to handle data (ex: MongoDB) CRUD operations for Companies and Products so each action is reflected to database. (Even a simple static array would do)
- [] A Basic Login-Register process and token authentication with JWT
- [] Using typescript
- [] Any creative features