

Development Assignment:

Simple user management system.

Reference Articles:

<https://www.bezkoder.com/react-node-express-mysql/>

<https://developer.okta.com/blog/2018/07/10/build-a-basic-crud-app-with-node-and-react>

You may google/youtube search "react express crud" for further assistance.

Backend:

User properties/fields/attributes:

- id
- name
- email
- phone

You need to create backend Dummy CRUD APIs using programming language and framework of your choice like expressjs/nodejs or flask/python. You can use any database you like.

GET /users:

Get list of all the users

POST /users:

Create new users.

GET /users/<user_id>:

Get user by user id

PUT /users/<user_id>:

Update specific user

DELETE /users/<user_id>:

Delete Specific user.

Frontend:

Create frontend in react.

- Page 1 : List all users.
- At the top of the page there is a Add User button:

- This goes to Page 2
- This will make an API call to the backend to get list of users.
- The users will be shown in table format. Only show ID and Name in the table.
- At the end of each row there should be 3 buttons.
- View
- Goes to Page 3
- Edit
- Goes to Page 2
- Delete
- This will call backend API DELETE method.
- Page 2 : Create User/Update User
- This will show a form with the user attributes mentioned above. On submission it will call backend API POST method.
- If user comes here by clicking on Edit. You must populate the existing values and button text should change from Create to Update. On Submit this will call backend API PUT method.
- Page 3 : View User
- View all users details in table format. i.e. Id, Name, Email and Phone number.

Note: Use redux toolkit