

Index.js

```
import React from 'react';
import ReactDOM from 'react-dom';
import App from './App';

ReactDOM.render(<App />, document.getElementById('root'));
```

App.js

```
import React from 'react';
import "bootstrap/dist/css/bootstrap.min.css";
import { BrowserRouter as Router, Route } from "react-router-dom";

import Navbar from "../components/navbar.component"
import ExercisesList from "../components/exercises-list.component";
import EditExercise from "../components/edit-exercise.component";
import CreateExercise from "../components/create-exercise.component";
import CreateUser from "../components/create-user.component";

function App() {
  return (
    <Router>
      <div className="container">
        <Navbar />
        <br/>
        <Route path="/" exact component={ExercisesList} />
        <Route path="/edit/:id" component={EditExercise} />
        <Route path="/create" component={CreateExercise} />
        <Route path="/user" component={CreateUser} />
      </div>
    </Router>
  );
}

export default App;
```

exercises-list.component.js

```
import React, { Component } from 'react';
import { Link } from 'react-router-dom';
import axios from 'axios';

const Exercise = props => (
  <tr>
    <td>{props.exercise.username}</td>
    <td>{props.exercise.description}</td>
    <td>{props.exercise.duration}</td>
    <td>{props.exercise.date.substring(0,10)}</td>
    <td>
      <Link to={"/edit/"+props.exercise._id}>edit</Link> |
      <a href="#" onClick={() => { props.deleteExercise(props.exercise._id) }}>delete</a>
    </td>
  </tr>
)
```

```

export default class ExercisesList extends Component {
  constructor(props) {
    super(props);
    this.deleteExercise = this.deleteExercise.bind(this)
    this.state = {exercises: []};
  }

  componentDidMount() {
    axios.get('http://localhost:5000/exercises/')
      .then(response => {
        this.setState({ exercises: response.data })
      })
      .catch((error) => {
        console.log(error);
      })
  }

  deleteExercise(id) {
    axios.delete('http://localhost:5000/exercises/'+id)
      .then(response => { console.log(response.data)});

    this.setState({
      exercises: this.state.exercises.filter(el => el._id !== id)
    })
  }

  exerciseList() {
    return this.state.exercises.map(currentexercise => {
      return <Exercise exercise={currentexercise} deleteExercise={this.deleteExercise} key={currentexercise._id}/>;
    })
  }

```

```

  render() {
    return (
      <div>
        <h3>Logged Exercises</h3>
        <table className="table">
          <thead className="thead-light">
            <tr>
              <th>Username</th>
              <th>Description</th>
              <th>Duration</th>
              <th>Date</th>
              <th>Actions</th>
            </tr>
          </thead>
          <tbody>
            { this.exerciseList() }
          </tbody>
        </table>
      </div>
    )
  }
}

```

```

import React, { Component } from 'react';
import axios from 'axios';
import DatePicker from 'react-datepicker';
import "react-datepicker/dist/react-datepicker.css";

export default class EditExercise extends Component {
  constructor(props) {
    super(props);

    this.onChangeUsername = this.onChangeUsername.bind(this);
    this.onChangeDescription = this.onChangeDescription.bind(this);
    this.onChangeDuration = this.onChangeDuration.bind(this);
    this.onChangeDate = this.onChangeDate.bind(this);
    this.onSubmit = this.onSubmit.bind(this);

    this.state = {
      username: '',
      description: '',
      duration: 0,
      date: new Date(),
      users: []
    }
  }

  componentDidMount() {
    axios.get('http://localhost:5000/exercises/' + this.props.match.params.id)
      .then(response => {
        this.setState({
          username: response.data.username,
          description: response.data.description,
          duration: response.data.duration,
          date: new Date(response.data.date)
        })
      })
      .catch(function (error) {
        console.log(error);
      })

    axios.get('http://localhost:5000/users/')
      .then(response => {
        if (response.data.length > 0) {
          this.setState({
            users: response.data.map(user => user.username),
          })
        }
      })
      .catch((error) => {
        console.log(error);
      })
  }
}

```

```
onChangeUsername(e) {
  this.setState({
    username: e.target.value
  })
}

onChangeDescription(e) {
  this.setState({
    description: e.target.value
  })
}

onChangeDuration(e) {
  this.setState({
    duration: e.target.value
  })
}

onChangeDate(date) {
  this.setState({
    date: date
  })
}

onSubmit(e) {
  e.preventDefault();

  const exercise = {
    username: this.state.username,
    description: this.state.description,
    duration: this.state.duration,
    date: this.state.date
  }

  console.log(exercise);

  axios.post('http://localhost:5000/exercises/update/' + this.props.match.params.id, exercise)
    .then(res => console.log(res.data));

  window.location = '/';
}
```

```

render() {
  return (
    <div>
      <h3>Edit Exercise Log</h3>
      <form onSubmit={this.onSubmit}>
        <div className="form-group">
          <label>Username: </label>
          <select ref="userInput"
            required
            className="form-control"
            value={this.state.username}
            onChange={this.onChangeUsername}>
            {
              this.state.users.map(function(user) {
                return <option
                  key={user}
                  value={user}>{user}
                </option>;
              })
            }
          </select>
        </div>

```

```

        <div className="form-group">
          <label>Description: </label>
          <input type="text"
            required
            className="form-control"
            value={this.state.description}
            onChange={this.onChangeDescription}
          />
        </div>
        <div className="form-group">
          <label>Duration (in minutes): </label>
          <input
            type="text"
            className="form-control"
            value={this.state.duration}
            onChange={this.onChangeDuration}
          />
        </div>
        <div className="form-group">
          <label>Date: </label>
          <div>
            <DatePicker
              selected={this.state.date}
              onChange={this.onChangeDate}
            />
          </div>
        </div>
      </div>

```

```

    <div className="form-group">
      <input type="submit" value="Edit Exercise Log" className="btn btn-primary" />
    </div>
  </form>
</div>
)
}

```

create-exercise.component.js

```

import React, { Component } from 'react';
import axios from 'axios';
import DatePicker from 'react-datepicker';
import "react-datepicker/dist/react-datepicker.css";

export default class CreateExercise extends Component {
  constructor(props) {
    super(props);

    this.onChangeUsername = this.onChangeUsername.bind(this);
    this.onChangeDescription = this.onChangeDescription.bind(this);
    this.onChangeDuration = this.onChangeDuration.bind(this);
    this.onChangeDate = this.onChangeDate.bind(this);
    this.onSubmit = this.onSubmit.bind(this);

    this.state = {
      username: '',
      description: '',
      duration: 0,
      date: new Date(),
      users: []
    }
  }

  componentDidMount() {
    axios.get('http://localhost:5000/users/')
      .then(response => {
        if (response.data.length > 0) {
          this.setState({
            users: response.data.map(user => user.username),
            username: response.data[0].username
          })
        }
      })
      .catch((error) => {
        console.log(error);
      })
  }
}

```

```
onChangeUsername(e) {  
  this.setState({  
    username: e.target.value  
  })  
}  
  
onChangeDescription(e) {  
  this.setState({  
    description: e.target.value  
  })  
}  
  
onChangeDuration(e) {  
  this.setState({  
    duration: e.target.value  
  })  
}  
  
onChangeDate(date) {  
  this.setState({  
    date: date  
  })  
}
```

```
onSubmit(e) {  
  e.preventDefault();  
  
  const exercise = {  
    username: this.state.username,  
    description: this.state.description,  
    duration: this.state.duration,  
    date: this.state.date  
  }  
  
  console.log(exercise);  
  
  axios.post('http://localhost:5000/exercises/add', exercise)  
    .then(res => console.log(res.data));  
  
  window.location = '/';  
}
```

```

render() {
  return (
    <div>
      <h3>Create New Exercise Log</h3>
      <form onSubmit={this.onSubmit}>
        <div className="form-group">
          <label>Username: </label>
          <select ref="userInput"
            required
            className="form-control"
            value={this.state.username}
            onChange={this.onChangeUsername}>
            {
              this.state.users.map(function(user) {
                return <option
                  key={user}
                  value={user}>{user}
                </option>;
              })
            }
          </select>
        </div>

        <div className="form-group">
          <label>Description: </label>
          <input type="text"
            required
            className="form-control"
            value={this.state.description}
            onChange={this.onChangeDescription}
          />
        </div>

        <div className="form-group">
          <label>Duration (in minutes): </label>
          <input
            type="text"
            className="form-control"
            value={this.state.duration}
            onChange={this.onChangeDuration}
          />
        </div>

        <div className="form-group">
          <label>Date: </label>
          <div>
            <DatePicker
              selected={this.state.date}
              onChange={this.onChangeDate}
            />
          </div>
        </div>
      </div>
    </div>
  );
}

```



```

    <div className="form-group">
      <input type="submit" value="Create Exercise Log" className="btn btn-primary" />
    </div>
  </form>
</div>
)
}
}

```

navbar.component.js

```

import React, { Component } from 'react';
import { Link } from 'react-router-dom';

export default class Navbar extends Component {

  render() {
    return (
      <nav className="navbar navbar-dark bg-dark navbar-expand-lg">
        <Link to="/" className="navbar-brand">Exercices</Link>
        <div className="collapse navbar-collapse">
          <ul className="navbar-nav mr-auto">
            <li className="navbar-item">
              <Link to="/" className="nav-link">Exercices</Link>
            </li>
            <li className="navbar-item">
              <Link to="/create" className="nav-link">Creer Exercis</Link>
            </li>
            <li className="navbar-item">
              <Link to="/user" className="nav-link">Creer User</Link>
            </li>
          </ul>
        </div>
      </nav>
    );
  }
}

```