Lab 05-02 Grade 90/100 (missing User and Bug Editor)

horizontal line

# Overview: Issue Tracker

In this assignment we will start implementing the front-end for our issue tracker with React.

# Step 1. Create a new repository

As we have done with previousassignments, you need to create a new GitHub repository for this project.

Details are listed below:

* Name the repository **"issue-tracker-react"**
* Make the repository **"private"**
* Add **evangudmestad** as a **Collaborator/Admin**

# Step 2. Initialize the project

1. Clone the repository to your computer.
2. Open the repository folder in Visual Studio Code.
3. Run the following command in the Terminal window:

**npm create vite@latest .**

# 

# Step 3. Remove unused example code

Delete the following css files and remove all import statements for them:

* index.css
* app.css

Replace the **App.js** with the following code:

|  |
| --- |
| function App() {  return <div>Hello World!</div>; }  export default App; |

# Step 4. Install Bootstrap

Install bootstrap by running the following command in the terminal:

**npm install bootstrap**

Add the following import statement to **main.jsx**

|  |
| --- |
| import 'bootstrap/dist/css/bootstrap.min.css'; |

# Step 5. Install other dependencies

Install the following dependencies as well:

* **nanoid**
* **lodash**
* **axios**

# 

# Step 6. Screen mockups (Optional)

Create screen mockups in [**Balsamiq**](https://balsamiq.com/) for the following functionality/components.

LICENSE INFORMATION:

**License Key**: DatabaseDrivenWebDevelopment2024|TE1DeJxzCncxiQ+pcUksSUxKLE5VcCnKLEvNUwhPTVJwSS1LzckvyE3NK1EwMjAyqTE0NzY2sDA2MgABAC5qEa4=

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*Make each mockup listed below as a separate screen and a distinct file.*

*Export all mockups as* ***PNG*** *and store them in the* ***"mockups"*** *folder inside your repo.*

*Save the .bmpr file to the* ***"mockups"*** *folder as well. So that you can update the mockups later.*

* Login Form
  + email field, password field, submit button, link to register screen
* Register Form
  + required fields, submit button, link to login screen
* Bug List
  + displays a list of bugs
* Bug Editor
  + allows the user to edit a single bug
* User List
  + displays a list of users
* User Editor
  + allows the user to edit a single user

*See next page for further instructions.*

# 

# Step 7. Implement Components

Begin implementing the following React components:

*Use local state and arrays to implement this functionality for now. We will discuss how to interface with our APIs and databases next week.*

* App
* LoginForm
  + contains the following elements: email field, password field, submit button, link to register screen
  + store the state of all form fields within this component *(useState)*
  + call an event handler when the user successfully logs in
* RegisterForm
  + contains the following elements: required fields, submit button, link to login screen
  + store the state of all form fields within this component *(useState)*
  + call an event handler when the user successfully registers
* BugListItem / BugSummary
  + displays information about a single bug
  + used to represent an item in the BugList
* BugList
  + displays a list of bugs
  + allows the user to open the BugEditor
* BugEditor
  + allows the user to edit a single bug
  + store the state of all form fields within this component *(useState)*
  + call an event handler when the user saves a valid bug
* UserListItem / UserSummary
  + displays information about a single user
  + used to represent an item in the UserList
* UserList
  + displays a list of users
  + allows the user to open the UserEditor
* UserEditor
  + allows the user to edit a single user
  + store the state of all form fields within this component *(useState)*
  + call an event handler when the user saves a valid user