Task 3

**Redux Authentication Project**

This is a simple authentication system built using **React**, **Redux Toolkit**, and **CSS**. The application provides a clean login interface with state management using Redux Toolkit for user authentication.

**Features**

* User authentication using a centralized Redux store.
* Styled with a modern, responsive design.
* Real-time input validation with error handling.
* Easily extendable for backend integration.

**Getting Started**

Follow the steps below to run this project locally:

**1. Clone the Repository**

bash

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git clone https://github.com/<your-username>/redux-auth.git

cd redux-auth

**2. Install Dependencies**

Ensure you have **Node.js** and **npm** installed. Then, run:

bash

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npm install

**3. Start the Development Server**

Run the app locally:

bash

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npm start

The application will run on http://localhost:3000.

**Available Scripts**

In the project directory, you can run:

* npm start - Runs the app in development mode.
* npm run build - Builds the app for production.
* npm test - Runs the test suite.

**Usage**

1. Open the app in your browser.
2. Enter a **username** and **password** in the login form.
3. Submit the form to test the authentication state, which is managed by Redux.

**Technologies Used**

* **React**: For building the user interface.
* **Redux Toolkit**: For state management.
* **CSS**: For styling.

**Future Enhancements**

* Add integration with a backend API for real user authentication.
* Enhance validation rules (e.g., password strength).
* Include user registration functionality.
* Add error notifications and loading indicators.

