

Objectives:

Understand Redux and its flow.

Add another page to your application (with react-router).

Theory:

Deadline: 5 days

1. Read the [official Redux documentation](#).
2. Try to understand why your application needs it.
3. Think about how you would use it in the previous task if you were familiar with Redux. Would you use it at all?
4. Read about [React Router](#).

Requirements:

1. Add Redux to your application from the previous task.
2. With react-router, add another page for the URL `'/login'`. The login page should have two inputs (username and password) and a submit button. Design is up to you.
3. The user can log in with username=admin and password=1234. It is just a simulation, not real authorization.
4. If the user has successfully authorized, they should be redirected to the `'/'` URL, which is the project page (the one you made in the previous task).
5. Page refreshing makes the user unauthorized and they are redirected back to the login page.

Questions:

1. Explain the Redux data flow.
2. What is middleware, and how can it help you in development?
3. Explain the case when you would use middleware.
4. Explore redux-thunk [source code](#).

5. Can you not use middlewares at all? What is the replacement?
6. Why is Redux needed in the project at all? Why can't we just create an object (for state) somewhere in the top-level component and update this object's properties when needed?