# All practice will be done in project 15. React Router + Data Loading – Fast pizza project

Adding Redux

# Install Redux ToolKit

* Npm I react-redux
* Npm I @reduxjs/toolkit

## Steps

* Create the store
  + Store.jsx 🡺 configureStore
* Create the Slices
  + userSlice.jsx 🡺 createSlice

# Redux Thunks with createAsyncThunk

* as mentioned in the previous Notes, we cannot fetch data inside the **store**
* That’s why we need to use the Middleware
* To use the Middleware we use the 3rd party library 🡺 Thunk
* The createAsyncThunk function has 3 params
  + A string – the action name
  + Async function (the thunk itself)
* A screen shot of a computer program

  Description automatically generated
* The createAsyncThunk return 3 action types
  + Pending promise state
  + Fulfilled promise state
  + Rejected promise state
  + WE have to **HANDLE all these cases in our reducer**
* A screen shot of a computer program

  Description automatically generated

# Fetch data in React Router without navigation

* We can **fetch** data that is included in another Route (with loaders)
* By using **useFetcher()** hook provided by React Router
  + In the Order Status page, we fetch the data from the Menu page, without going to the menu page
  + So that we can show the menu ingredients for each pizza in the Order

