Table of Contents

[Chapter 1: Javascript Exercises 2](#_Toc516848540)

[Chapter 2: Create a React JS Application 2](#_Toc516848541)

[Chapter 3: Component, Props, State, Lifecycle… 2](#_Toc516848542)

[Chapter 4: Routing 3](#_Toc516848543)

[Chapter 5: Redux and React-Redux 3](#_Toc516848544)

[Chapter 6: Middleware react-saga 3](#_Toc516848545)

[Training Schedule Estimate 4](#_Toc516848546)

Chapter 1: Javascript Exercises

* Finish js exercises in the attachment file

Chapter 2: Create a React JS Application

- Reference link: https://reactjs.org/docs/add-react-to-a-new-app.html

- Tools installation: npm, git, visual code…

- Build hello world app

Chapter 3: Component, Props, State, Lifecycle…

* Explain Hello world example
  + rendering to DOM
  + return JSX
* Functional and class component
  + Introduce two ways create a component
  + Pros and cons
* Component and Props
  + Using the example in document to demonstrate (composing components)
  + Explain
* State and handle event
  + Explain state and handle event
  + Demo a project have input, change state in onchange function
* Lifecycle and Fetch API
  + Explain lifecycle
  + Demo fetch API in componentDidMount
* Conditional rendering
  + Read docs
* Lists and keys
  + Read docs
  + Do an exercise, load users API and bind data to list
* Form
  + Read docs
  + Continue exercise before, add a form edit user
* Lifting state up
* Composition and inheritance
* Thinking in react
  + Read to understand step to step build a react app

Chapter 4: Routing

Chapter 5: Redux and React-Redux

<https://redux.js.org/>

The basic concepts: action, reducer, store.

React redux

<https://redux.js.org/basics/usage-with-react>

Container and component

<https://medium.com/@dan_abramov/smart-and-dumb-components-7ca2f9a7c7d0>

Chapter 6: Middleware react-saga

<https://redux-saga.js.org/>

Training Schedule Estimate

|  |  |  |  |
| --- | --- | --- | --- |
| No | Content | Subcontent | Estimate time (days) |
| 1 | Chapter 1: Javascript |  | 0 |
| 2 | Chapter 2: Create a ReactJS | Create hello world project | 1 |
| 3 | Chapter 3: The basics | Component, props, state | 1 |
| 4 | Lifecycle, Networking | 2 |
| 6 | React Router | 2 |
|  | Chapter 4: Routing |  |  |
| 8 | Chapter 5: Redux and React-Redux | Redux and React-redux | 2 |
| 9 | Chapter 6: Middleware react-saga | React-saga | 1,5 |
|  |  | Total | 15 |