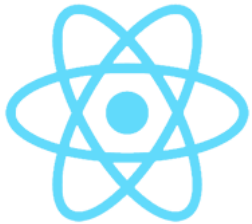
Reactjs (4 Units)



React

overview

- Overview about Reactjs
- JSX, Components, Component Life Cycle
- State, Props, Props Validation.
- Form, Event, React Router.
- Redux overview.
- Actions, Reducers.
- Store, Data flow.
- Usage with React
- Testing with Jest
- Tổng kết

Unit 1: Overview

overview

- SPA
- Why Reactjs:
  - Virtual DOM => fast.
  - Uni-directional data flow.
  - Reusable component-based.
  - React Native (Write app for android, ios).

Reactjs features:

JSX – JSX is JavaScript syntax extension. It isn't necessary to use JSX in React development, but it is recommended.

Components – React is all about components. You need to think of everything as a component. This will help you to maintain the code when working on larger scale projects.

Unidirectional data flow and Flux – React implements one way data flow which makes it easy to reason about your app. Flux is a pattern that helps keeping your data unidirectional.

Environment Setup

install npm packages: webpack, webpack-dev-server, react, react-dom, babel-core, babel-loader, babel-preset-react, babel-preset-es2015.

webpack.config.js file (eg in code sample).