Topics: React Day 2

Composition : a process of building a bigger product with help of smaller chunks of functionality which could be re-use in late point of time is known as composition.

Splitting an application:
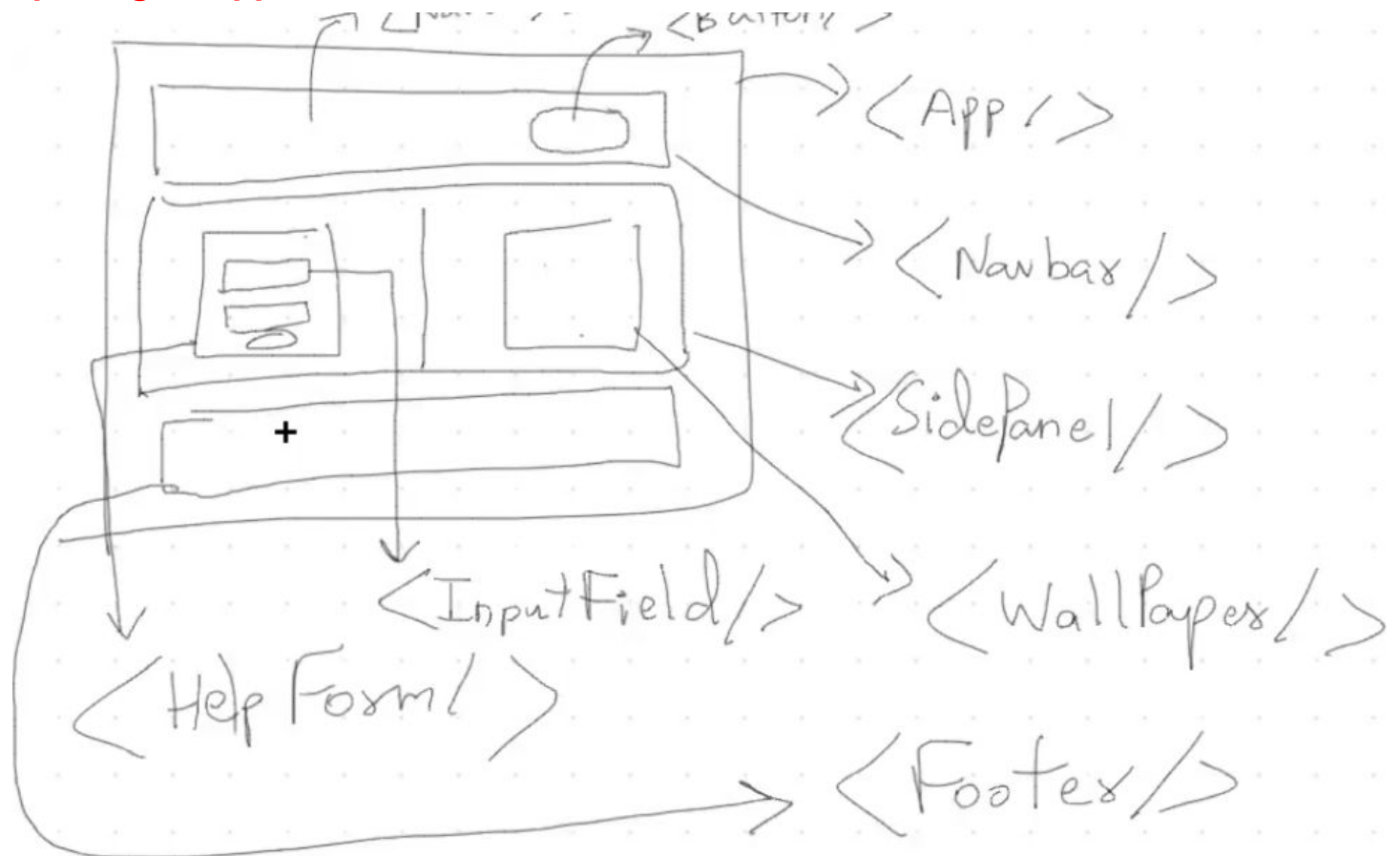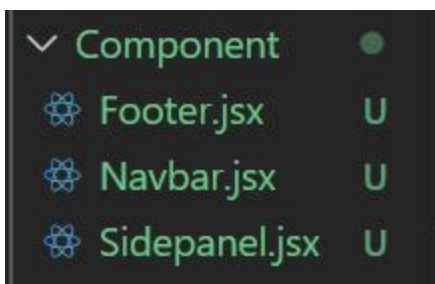
```
day-2 > src > JS App.js > [∅] App
          You, a minute ago | 1 author (You)
    1     import React from 'react';
    2     import './App.css';
    3
    4     const App = () => {
    5         return (
    6             <div className="App">
    7                 <Navbar/>
    8                 <Sidepanel/>          You, 2 minut
    9                 <Footer/>
   10             </div>
   11         );
   12     }
   13
   14     export default App;
   15
```

Extension with .jsx, jsx file will convert into React Syntax.

```
∨ Component          ●
  ⚛ Footer.jsx      U
  ⚛ Navbar.jsx      U
  ⚛ Sidepanel.jsx  U
```

Creating Component:
A React component can be defined as an ES6 class that extends the base React.Component class. In its minimal
form, a component must define a render method that specifies how the component renders to the DOM. The
render method returns React nodes, which can be defined using JSX syntax as HTML-like tags.

```
day-2 > src > Component > ⚛ Navbar.jsx > [∅] default
  1    import React from "react"
  2
  3    const Navbar = () => <div> I am Navbar </div>;
  4
  5    export default Navbar;
```

Import components:

```
//Components

import Navbar from "./Component/Navbar"
import Sidepanel from "./Component/Sidepanel"
import Footer from "./Component/Footer"
```

```
←  →  C   ⓘ localhost:3000
                                    I am Navbar
                                    I am Sidepanel
                                    I am Footer
```

Props in React:
- **"Props" is a special keyword in React, which stands for properties and is being used for passing data from one component to another.**
- **React Props are like function arguments in JavaScript *and* attributes in HTML.**

https://www.javatpoint.com/react-props

Composition is a pattern where some functionality is being derived by a base class. True or False?

Attempted - 40 (71.43%)   EASY   ∧

☐ True	55%
☑ False	45%

A form has three components, 2 Input fields and a button. If you want to attach a color to the second input field, which methodology you would use to move forward?

Attempted - 47 (83.93%)   EASY   ∧

☑ component props	53.19%
☐ component styles	36.17%
☐ component classNames	10.64%
☐ component imports	6.38%

props is passed as an array into the component. True or False?

Attempted - 48 (85.71%)   EASY   ∧

☐ True	33.33%
☑ False	66.67%

A component has four props. To access a prop naming "a", how would you do it?

🕐 00:13   Attempted - 46 (82.14%)   EASY   ∧

☑ Dot notation	84.78%
☐ Indexing	15.22%

Reference code :

https://github.com/sundeep-charan/Ramanujan-code-files/tree/master/JavaScript/React/Day%202