

## Instruction Lab (16 Mar 23)

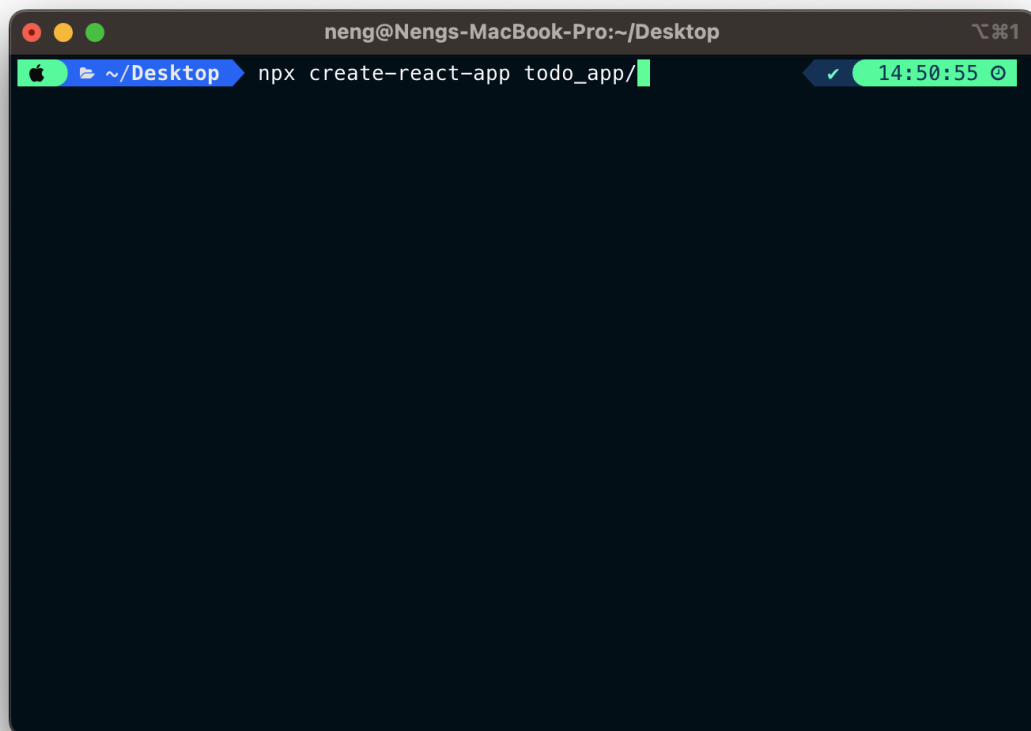
Objective :

Can use State and Manage the state

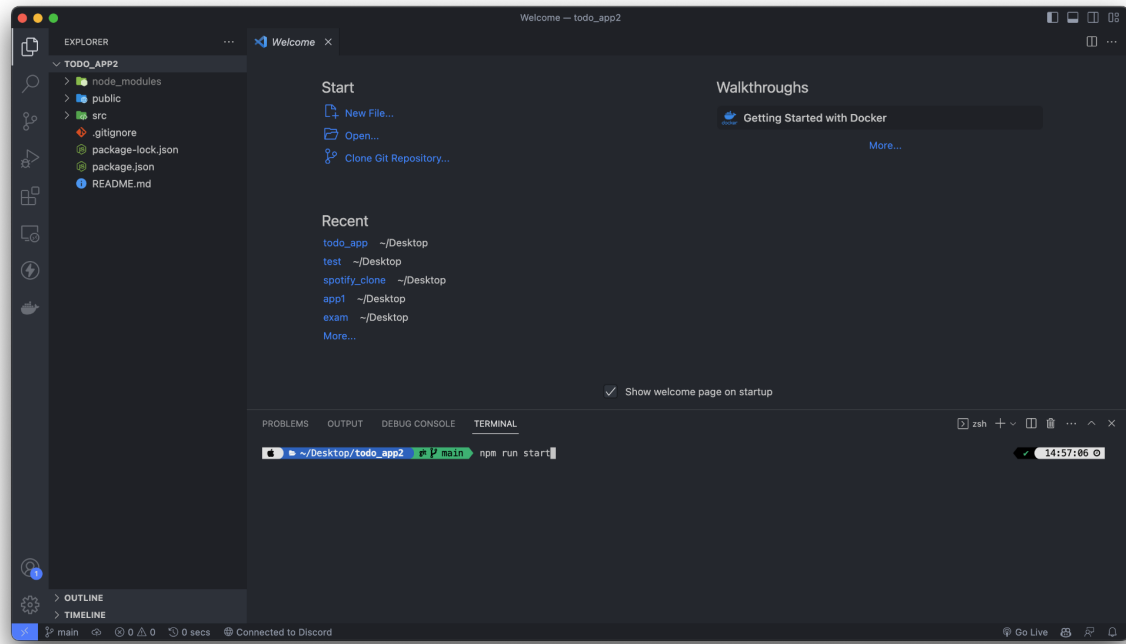
Can use pure css

Can Import and Export and Component

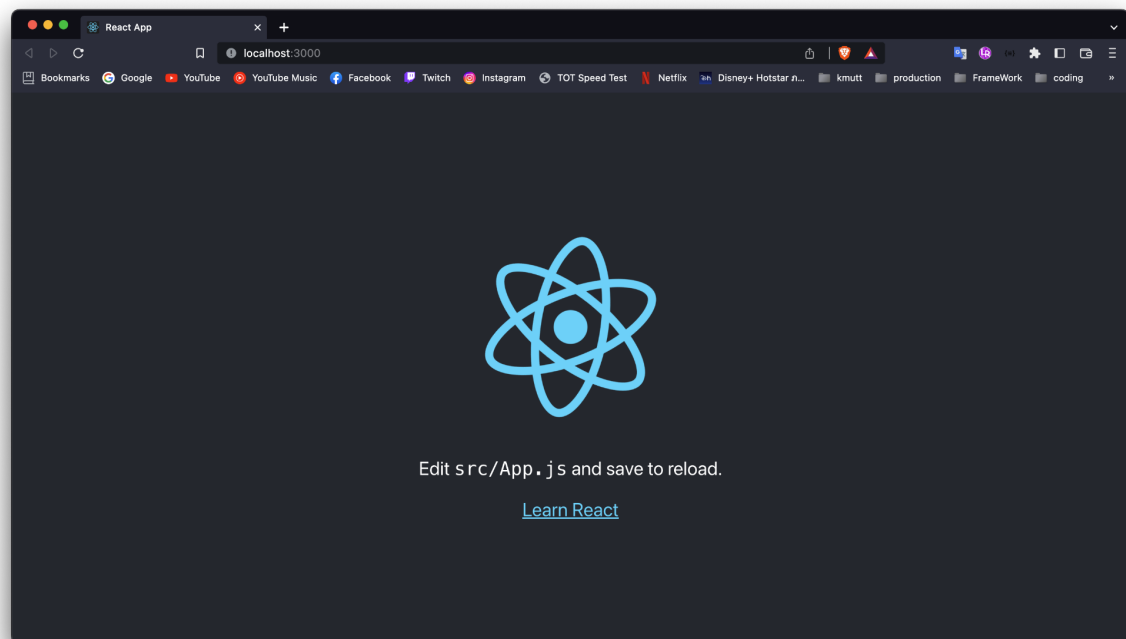
1.Create the react project



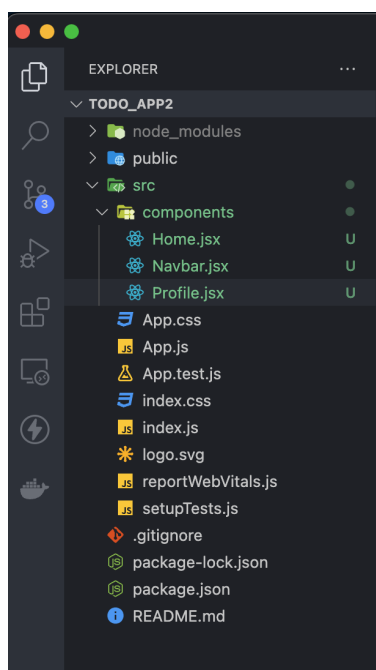
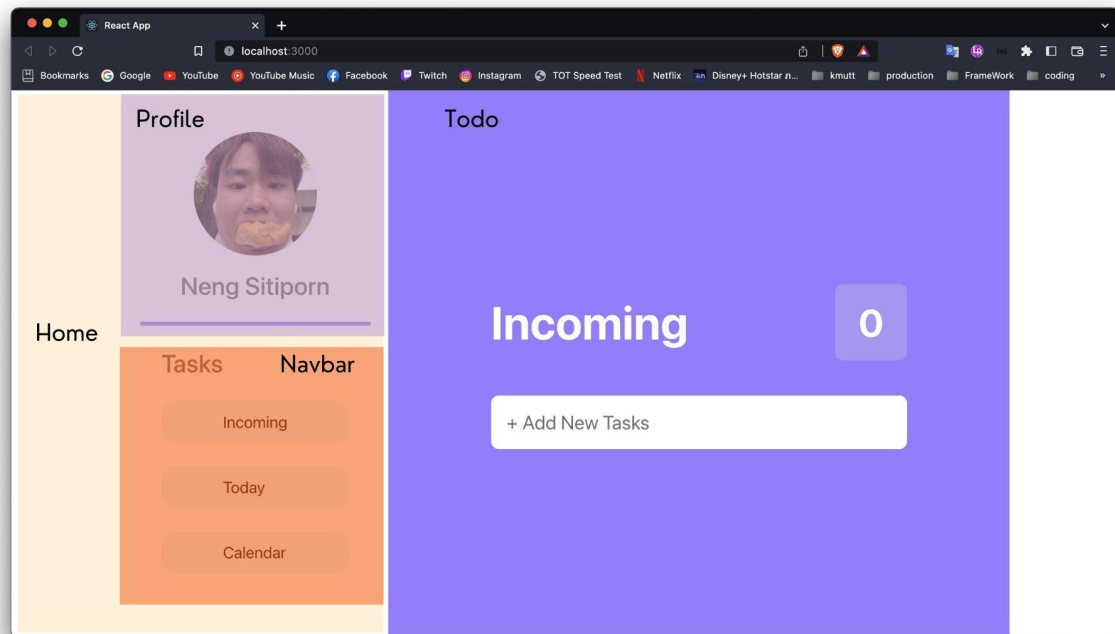
you try to run web server by command “npm run start” or “npm start “ in terminal



if it work it will appear like this at “localhost:3000”



## 2) Create component



create directory name **components** inside the **src** dir  
then create file **Home.jsx** and **Navbar.jsx** and **Profile.jsx**

## 2.1) create **Home** component

```
import Navbar from "../Navbar";
import Profile from "../Profile";
import "../Home.css"
function Home() {
  return (
    <div className="layout">
      <Profile />
      <Navbar />
    </div>
  );
}
export default Home
```

## 2.2) Layout by Home.css

```
.layout{
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
}
```

display :flex = use flex layout

align-items : center (center in x-axis)

justify-content:center (center in y-axis)

## 2.2) Profile.jsx

```
import './Profile.css';
function Profile () {
  return (
    <div className="layout">
      
      <h1 className="name">Neng Sitiporn</h1>
      <hr/>
    </div>
  )
}
export default Profile;
```

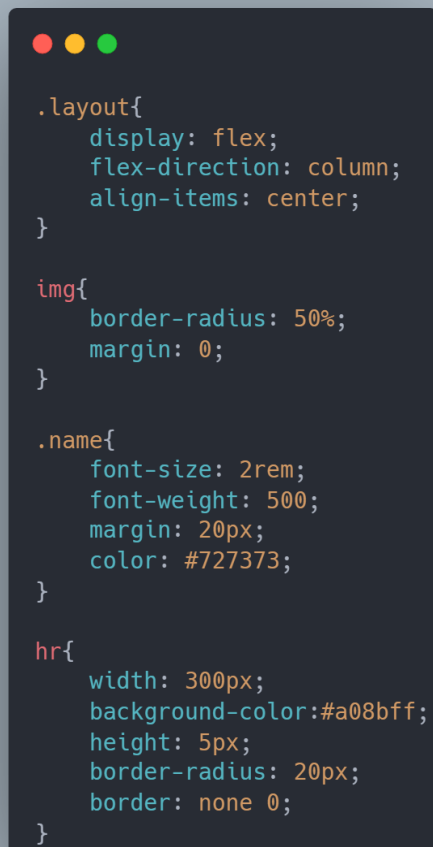
div : to separate the 3 element for create flex layout

img : Image

h1 : title

hr : horizontal line

## 2.3) Profile .css (to style our profile component)

A code editor window with a dark background and light-colored text. It contains CSS code for styling a profile component. The code is as follows:

```
.layout{
  display: flex;
  flex-direction: column;
  align-items: center;
}

img{
  border-radius: 50%;
  margin: 0;
}

.name{
  font-size: 2rem;
  font-weight: 500;
  margin: 20px;
  color: #727373;
}

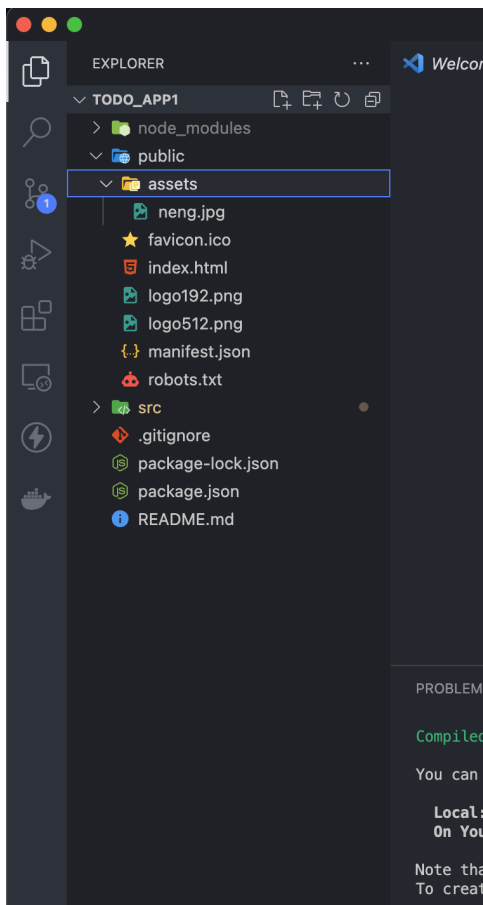
hr{
  width: 300px;
  background-color: #a08bff;
  height: 5px;
  border-radius: 20px;
  border: none 0;
}
```

display : flex = use flex layout

font-size : 2rem = 32 px

(because by default font-size is 16px is 1rem then 2rem is 16x2 = 32px)

## 2.4) Import image to our app (internal / local file )



create directory name **assets** inside of **public** dir  
then you can keep all the image file in this dir

if you want to use the image you can path them by

```

```

## 2.5) Create **navbar** component

```
import "../Navbar.css";
function Navbar(){
  return(
    <div>
      <h1 className="task">Tasks</h1>
      <nav>
        <li>Incoming</li>
        <li>Today</li>
        <li>Calendar</li>
      </nav>
    </div>
  )
}
export default Navbar;
```

## 2.6) style the navbar component

```
li {
  margin: 30px 0px;
  font-size: 1.3rem;
  list-style-type: none;
  padding: 15px 80px;
  border-radius: 20px;
  background-color: aliceblue;
}

.task {
  font-size: 2rem;
  font-weight: 500;
  color: #727373
}
```



## 2.7) create **Todo** component

1.this component show how to use inline style  
by style attribute in jsx

2.useState

3.array method (map,filter)

4.handle function (event)

2.8) create **CardList** component

```
function CardList() {  
  return (  
    <div style={{ padding: "20px", background: "#feffe", width: "500px",borderRadius:"10px",  
      margin:"20px 0px",fontSize:"25px",color:"#7b7b7b"}}>  
      This is Card  
    </div>  
  );  
}  
export default CardList;
```

## 2.9) In the **App** component

```
import './App.css';
import Home from './components/Home';
import Todo from './components/Todo';
function App() {
  return (
    <div className="App">
      <div className="home">
        <Home />
      </div>
      <div className="todo">
        <Todo />
      </div>
    </div>
  );
}
export default App;
```

## 2.10) Style + layout the App component

```
.App{
  display: flex;
  flex-direction: row;
  width: 100vw;
  height: 100vh;
  justify-content: center;
  align-items: center
}
.home {
  width: 30%;
}
.todo{
  width: 70%;
  background-color: #a08bff;
  min-height: 100%;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
}
```

## Learning Guild that you should to know

### 1.css unit (very important)

▶ เรื่องของ CSS Units for (TH UNIT)

▶ Learn CSS Units In 8 Minutes for (recomended)

### 2.Layout (Grid vs Flex)

▶ 8 CSS Layout ที่ใช้ Flexbox ในการทำได้ง่ายมากๆ!! 🧑🏻💻 100  
(TH)

▶ Learn Flexbox in 15 Minutes (EN)

▶ Learn CSS Grid in 20 Minutes (EN)

### 3.) React cash course

▶ พัฒนาเว็บด้วย React | สำหรับผู้เริ่มต้น [Phase1] - ปูพื้นฐาน R...  
(TH)

▶ React JS Crash Course (EN)

Ref for Lab1 : [Github/lab1](#)

*" Never gonna know if you never even try "*

*— The script —*