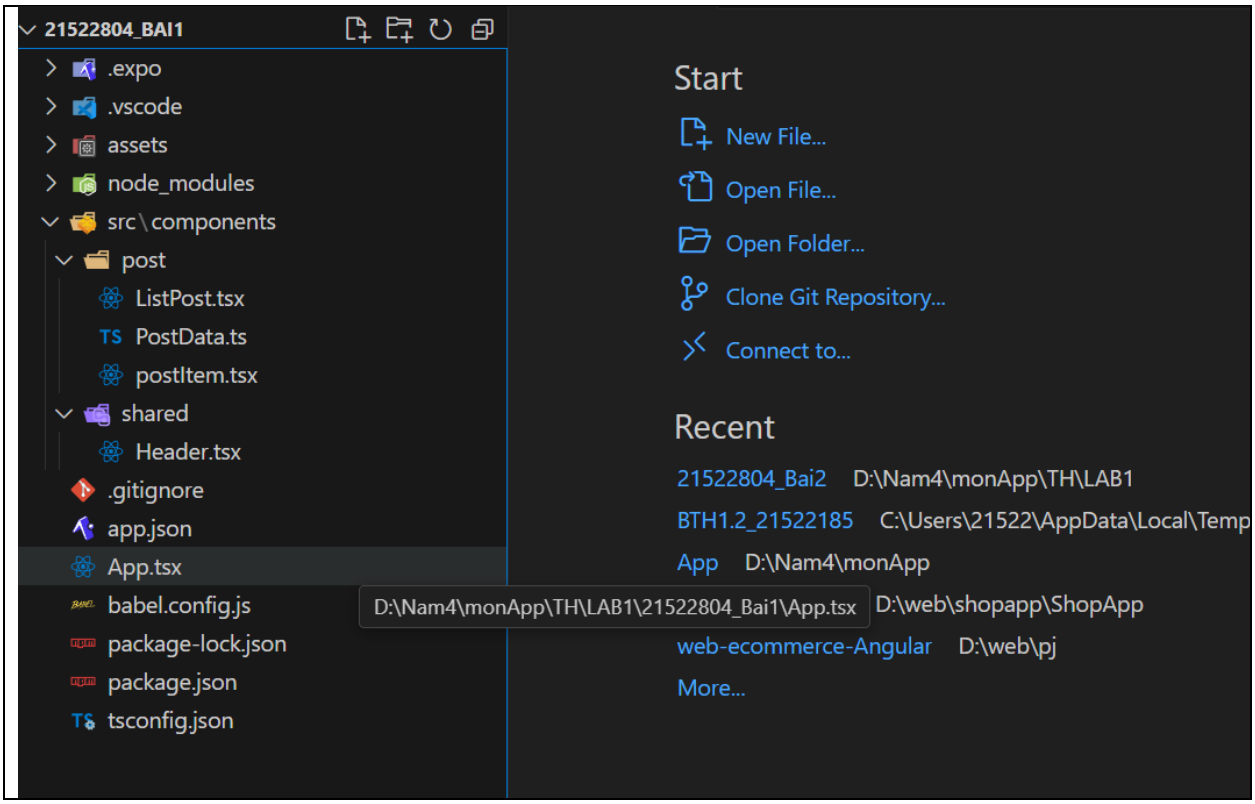
MÔN: CÔNG NGHỆ LẬP TRÌNH ĐA NỀN TẢNG CHO ỨNG DỤNG DI ĐỘNG

BÀI TẬP THỰC HÀNH 1

Họ Tên: Phạm Hoài Vũ
MSSV: 21522804

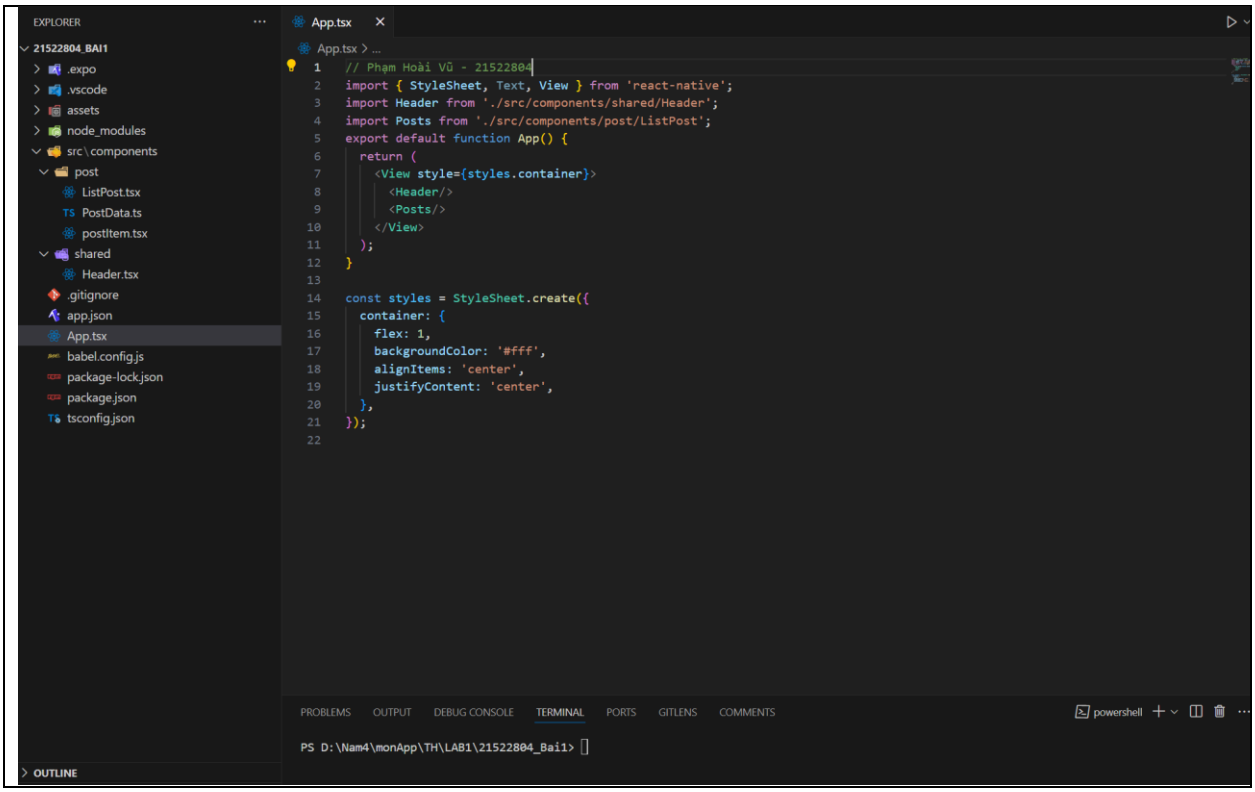
Bài 1: Social Media

- ***Cấu trúc các folders / files của dự án.***



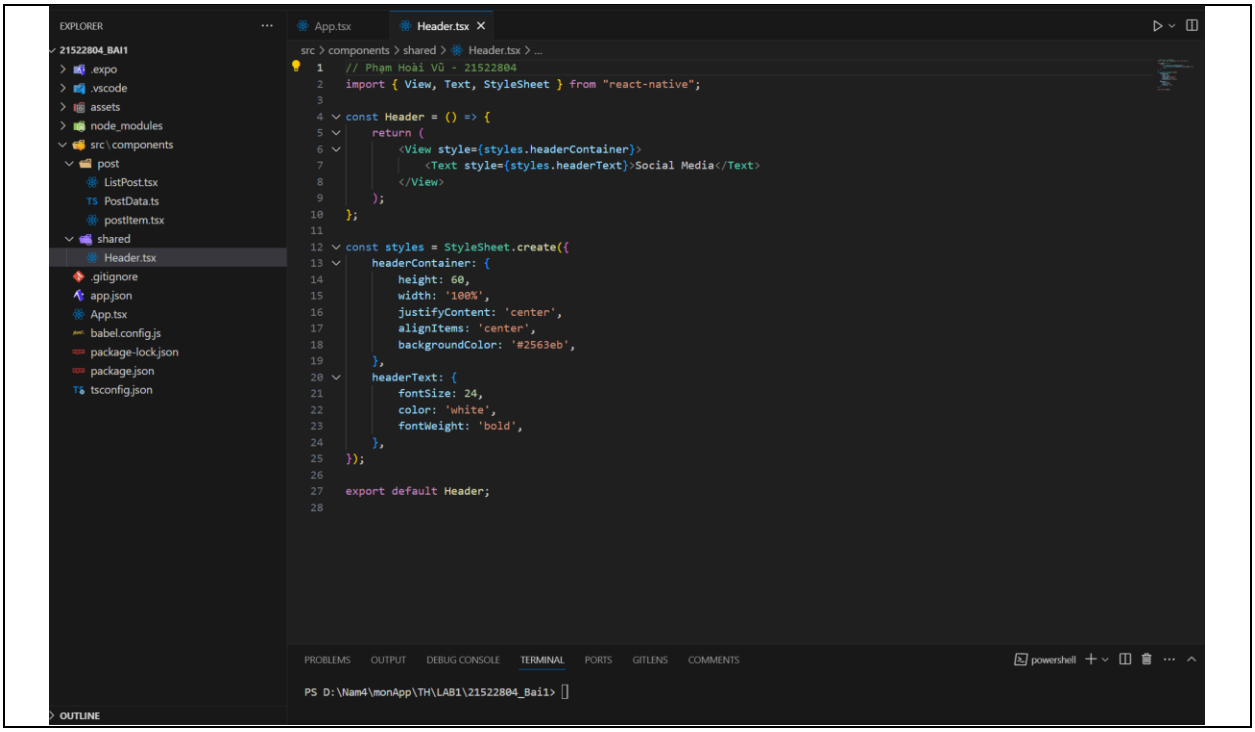
- ***Nội dung code của các file:***

1. App.tsx

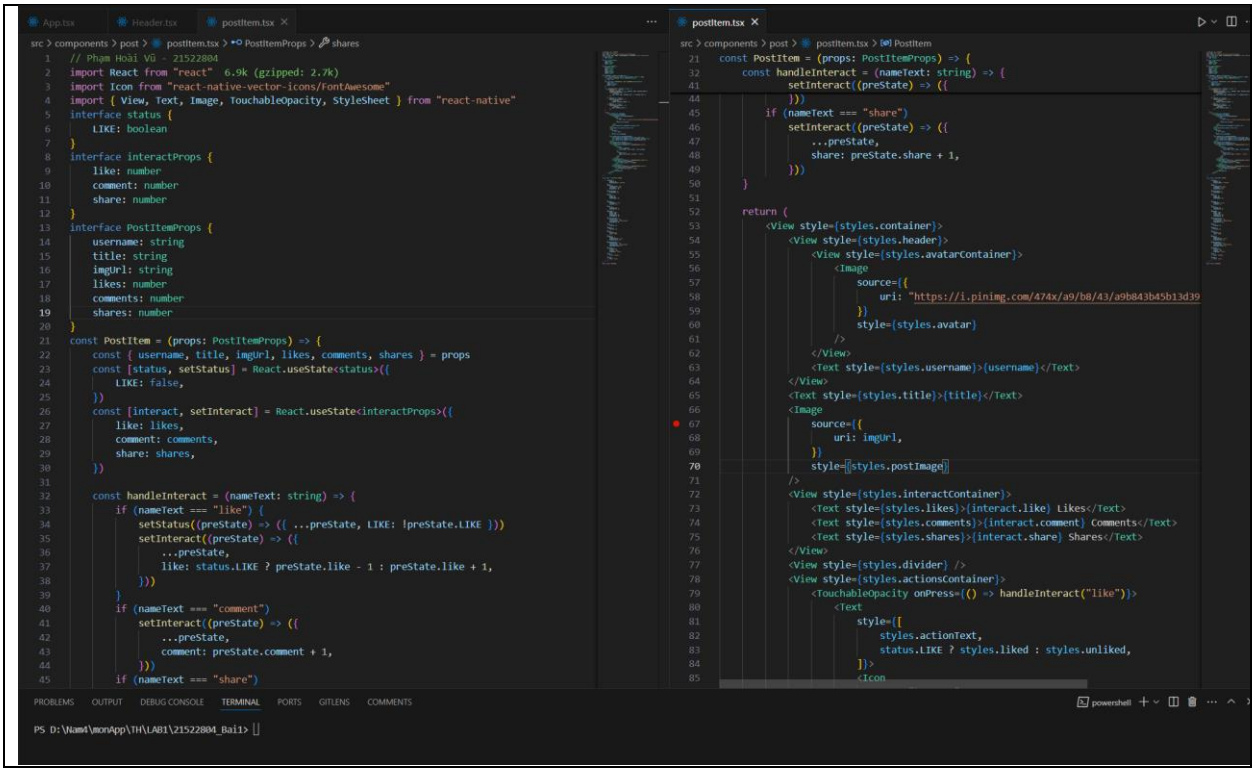


2. Components

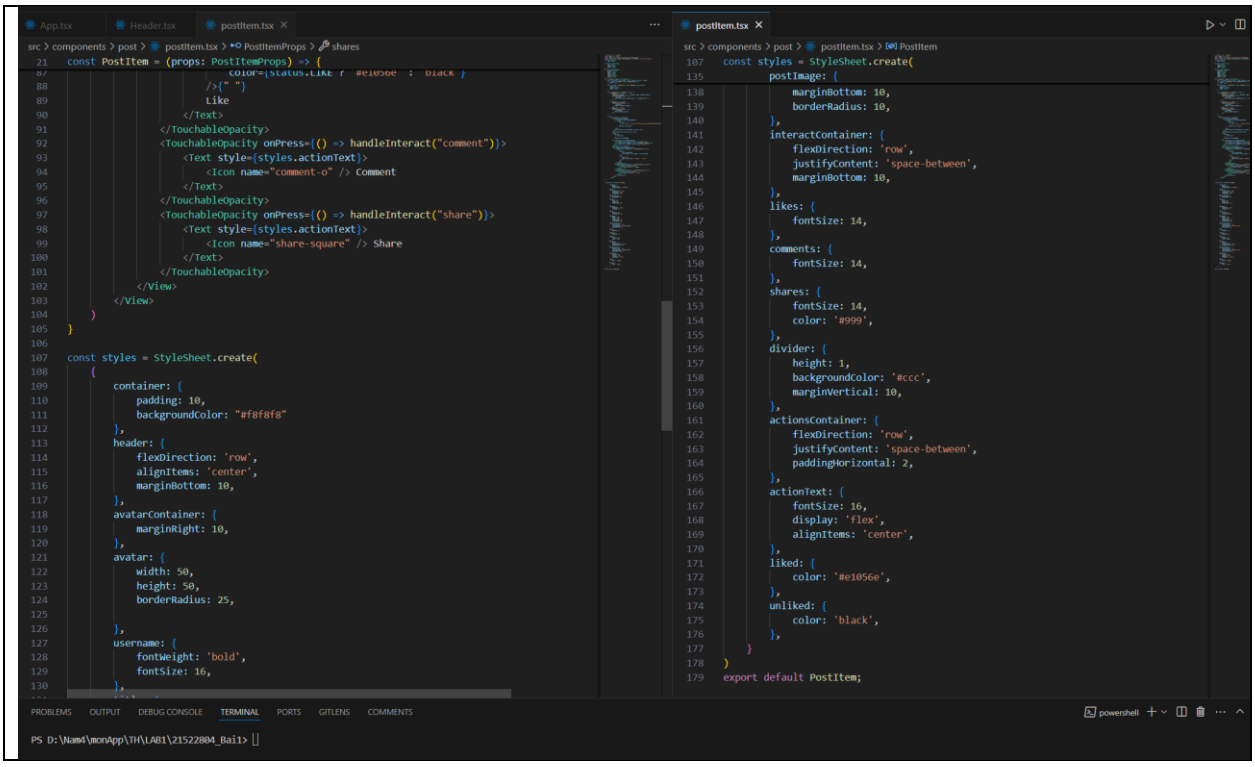
2.1. Header.tsx



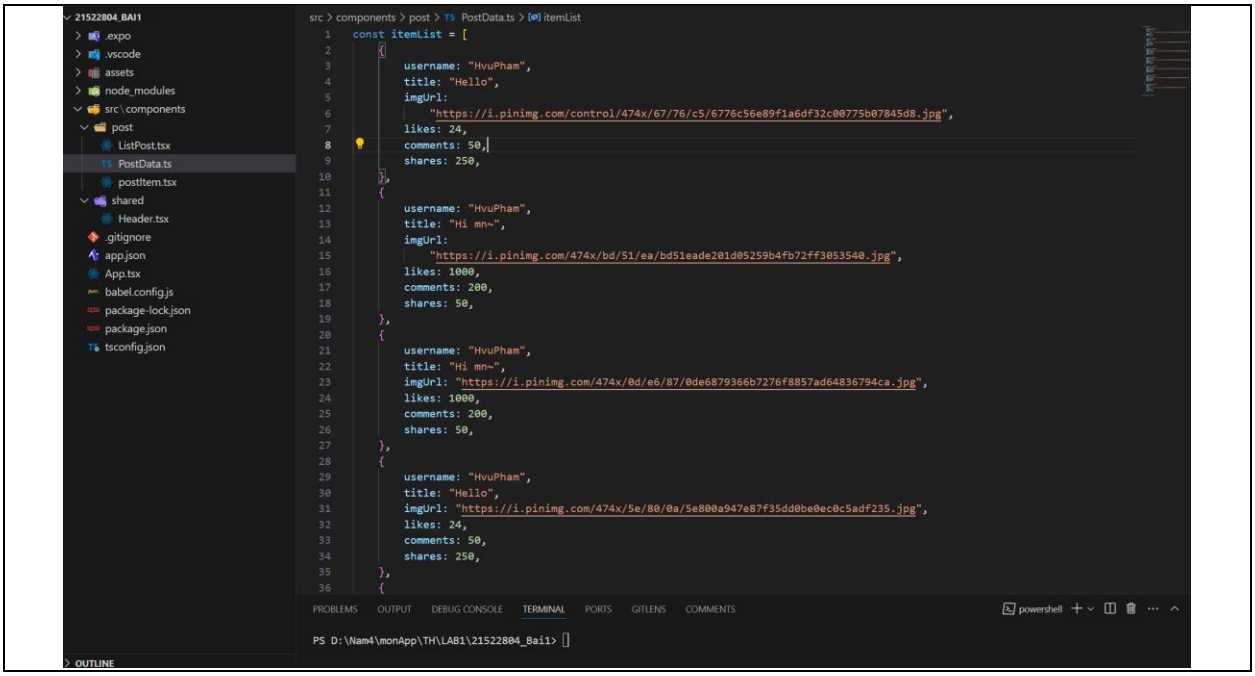
2.2. Post.tsx



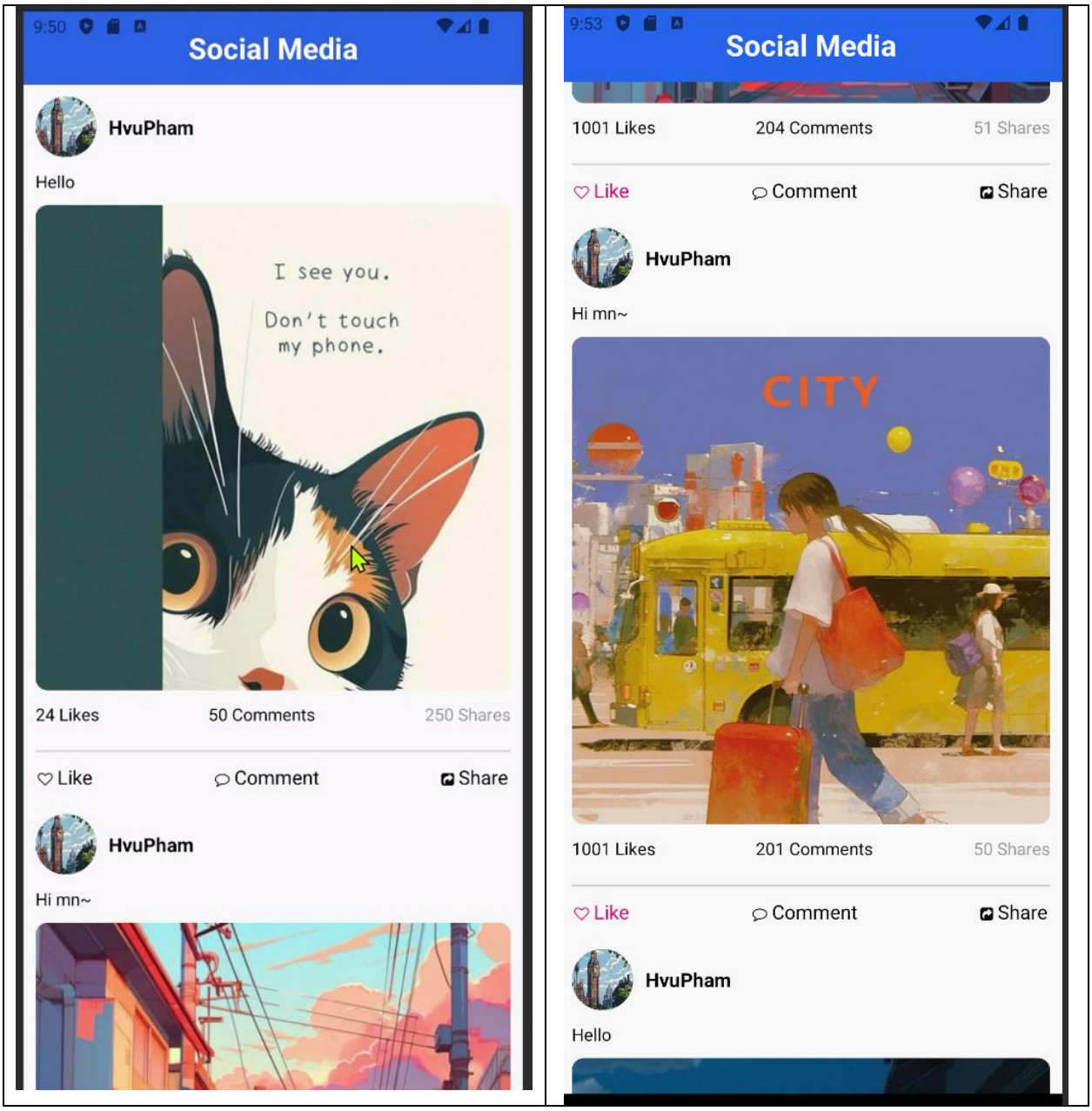
Hình 2.2.a. Post.tsx



3. Data



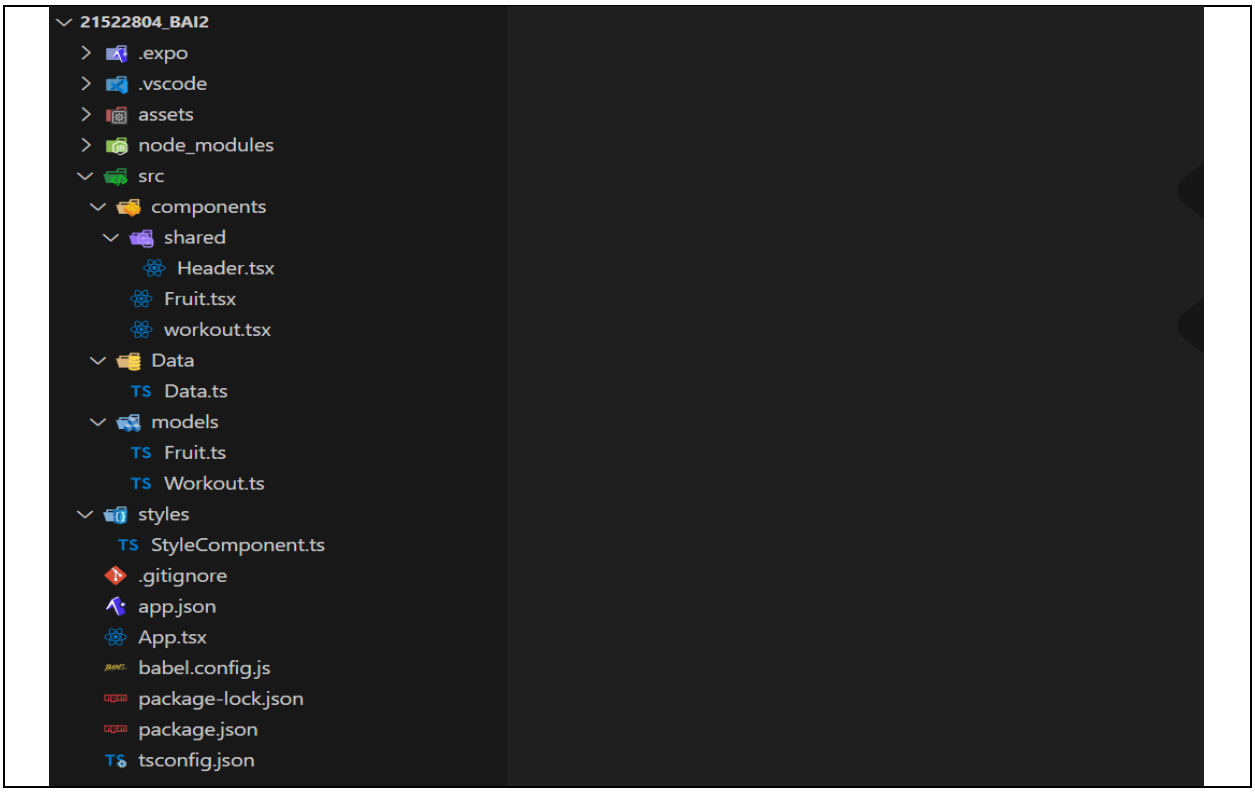
- ***Màn hình kết quả***:



- ***Link video màn hình kết quả:*** https://drive.google.com/drive/folders/1bVoVq56EB9kzqz4OcQDbYHqgqJBgzTlH?usp=sharing

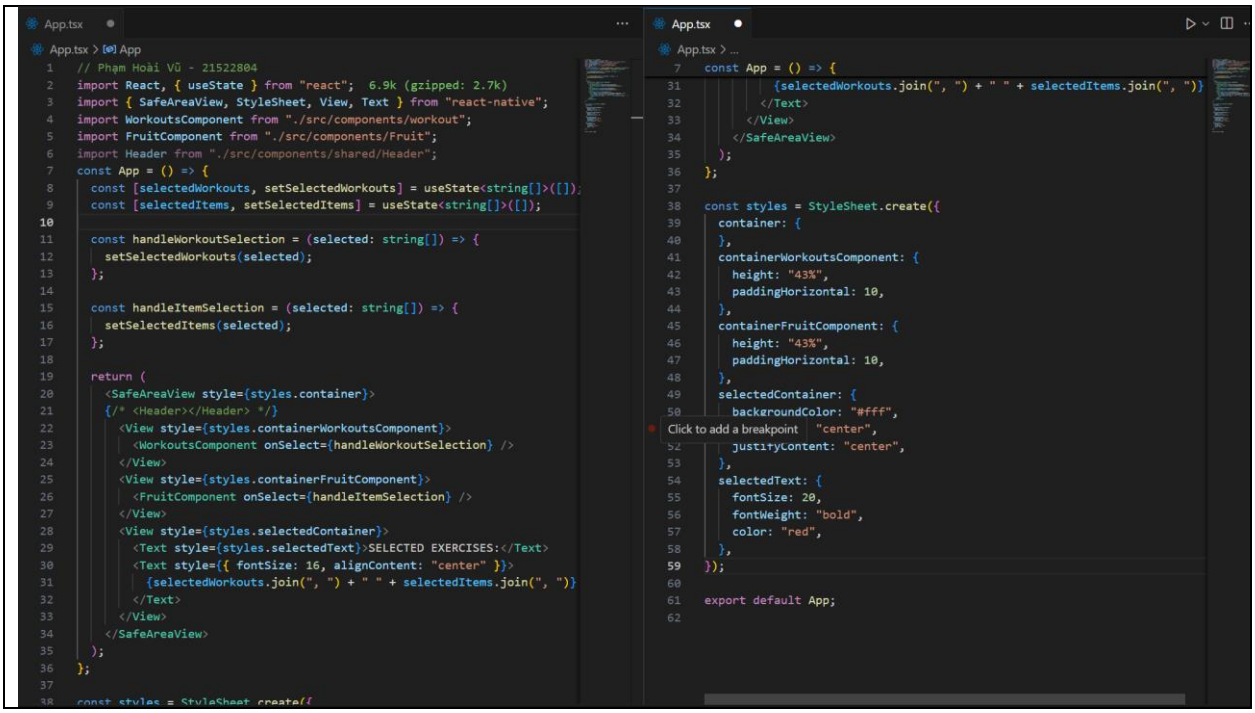
Bài 2: Workouts, Fruits and Vegetables

- ***Cấu trúc các folders / files của dự án.***



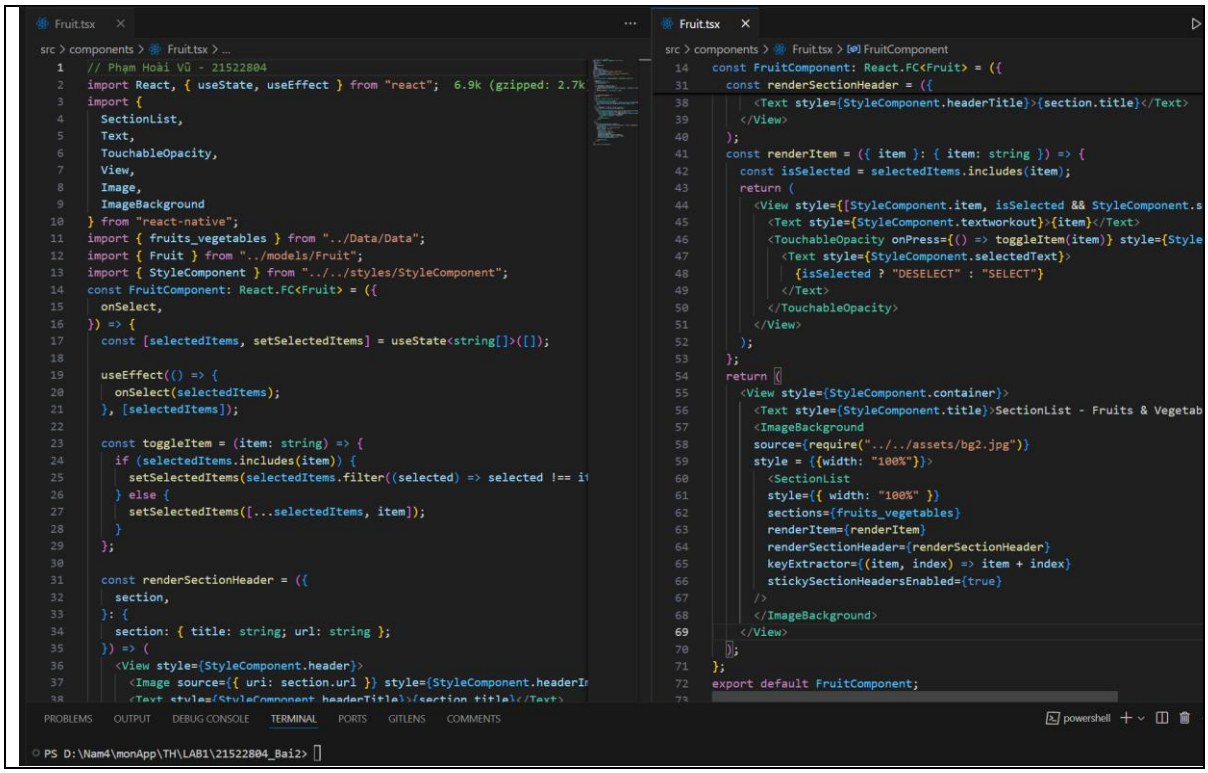
- ***Nội dung code của các file:***

1. App.tsx



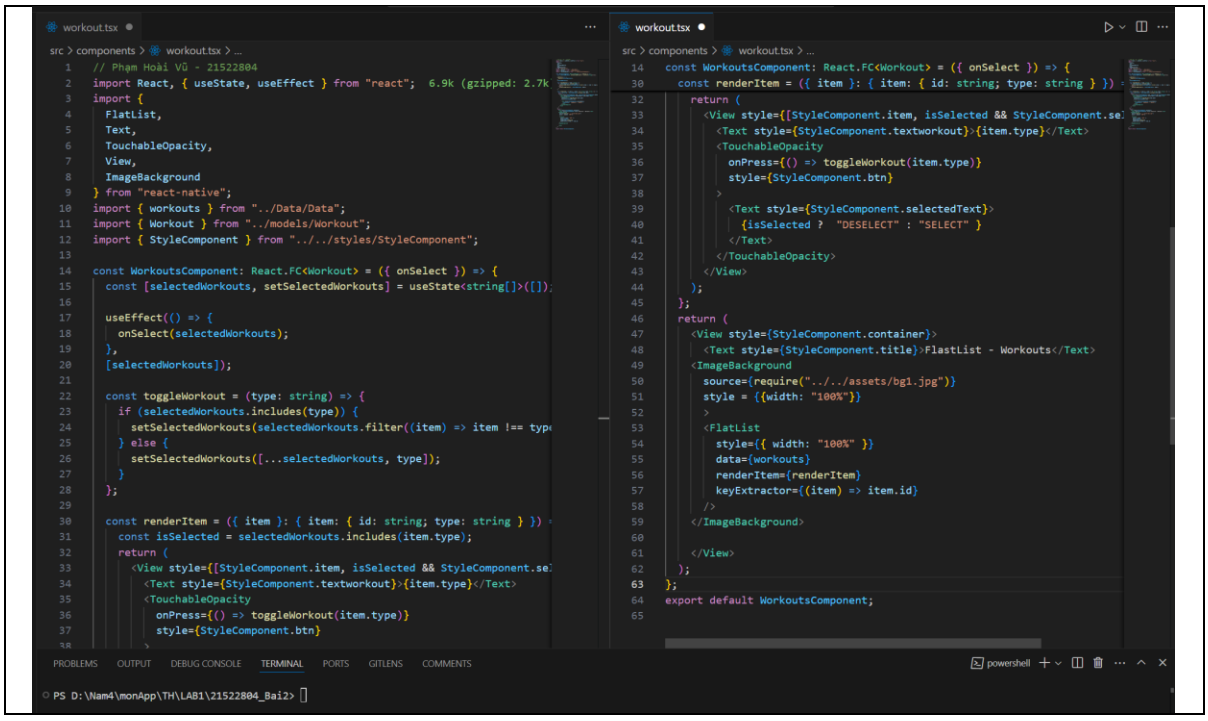
2. Components

2.1. Fruit.tsx



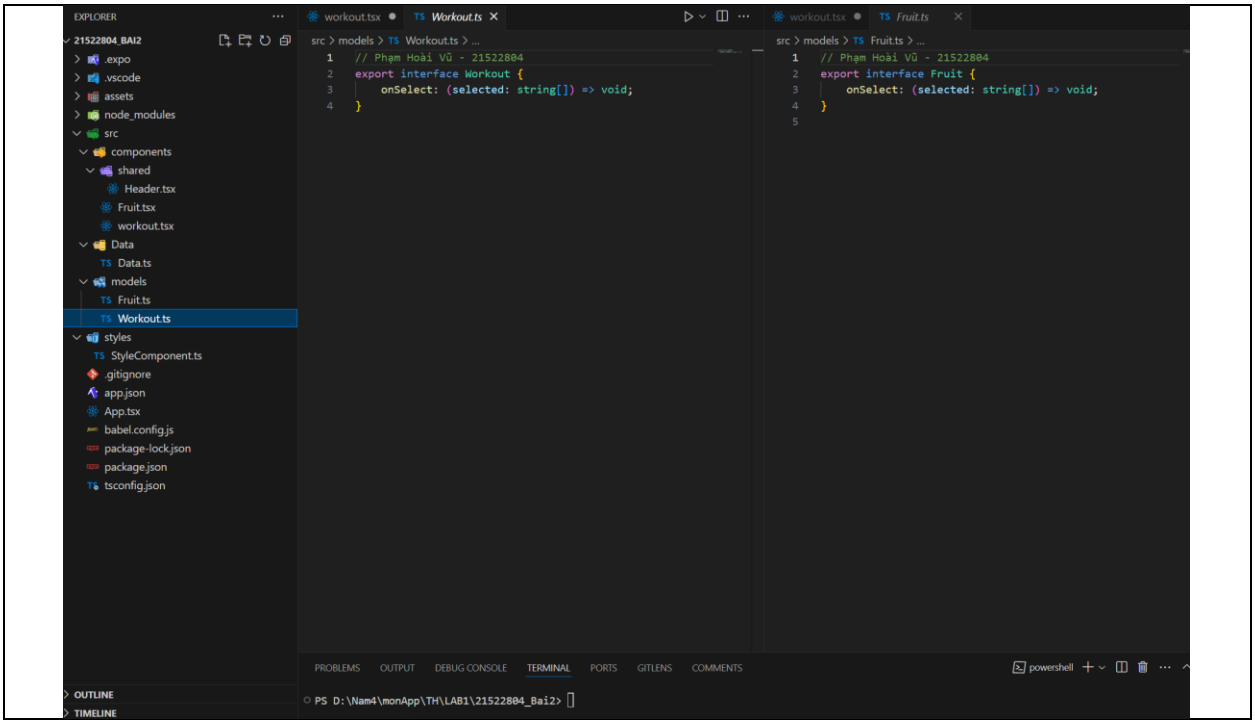
```tsx
// Phạm Hoài Vũ - 21522804
import React, { useState, useEffect } from "react";  6.9k (gzipped: 2.7k
import {
  SectionList,
  Text,
  TouchableOpacity,
  View,
  Image,
  ImageBackground
} from "react-native";
import { fruits_vegetables } from "../Data/Data";
import { Fruit } from "../models/Fruit";
import { StyleComponent } from "../../styles/StyleComponent";
const FruitComponent: React.FC<Fruit> = ({
  onSelect,
}) => {
  const [selectedItems, setSelectedItems] = useState<string[]>([]);

  useEffect(() => {
    onSelect(selectedItems);
  }, [selectedItems]);

  const toggleItem = (item: string) => {
    if (selectedItems.includes(item)) {
      setSelectedItems(selectedItems.filter((selected) => selected !== it
    } else {
      setSelectedItems([...selectedItems, item]);
    }
  };

  const renderSectionHeader = ({
    section,
  }: {
    section: { title: string; url: string };
  }) => (
    <View style={StyleComponent.header}>
      <Image source={{ uri: section.url }} style={StyleComponent.headerIm
      <Text style={StyleComponent.headerTitle}>{section.title}</Text>
    </View>
  );
  const renderItem = ({ item }: { item: string }) => {
    const isSelected = selectedItems.includes(item);
    return (
      <View style={[StyleComponent.item, isSelected && StyleComponent.s
        <Text style={StyleComponent.textworkout}>{item}</Text>
        <TouchableOpacity onPress={() => toggleItem(item)} style={Style
          <Text style={StyleComponent.selectedText}>
            {isSelected ? "DESELECT" : "SELECT"}
          </Text>
        </TouchableOpacity>
      </View>
    );
  };
  return (
    <View style={StyleComponent.container}>
      <Text style={StyleComponent.title}>SectionList - Fruits & Vegetab
      <ImageBackground
      source={require("../../assets/bg2.jpg")}
      style = {{width: "100%"}}>
        <SectionList
        style={{ width: "100%" }}
        sections={fruits_vegetables}
        renderItem={renderItem}
        renderSectionHeader={renderSectionHeader}
        keyExtractor={(item, index) => item + index}
        stickySectionHeadersEnabled={true}
      />
      </ImageBackground>
    </View>
  );
};
export default FruitComponent;
```

2.2. workout.tsx

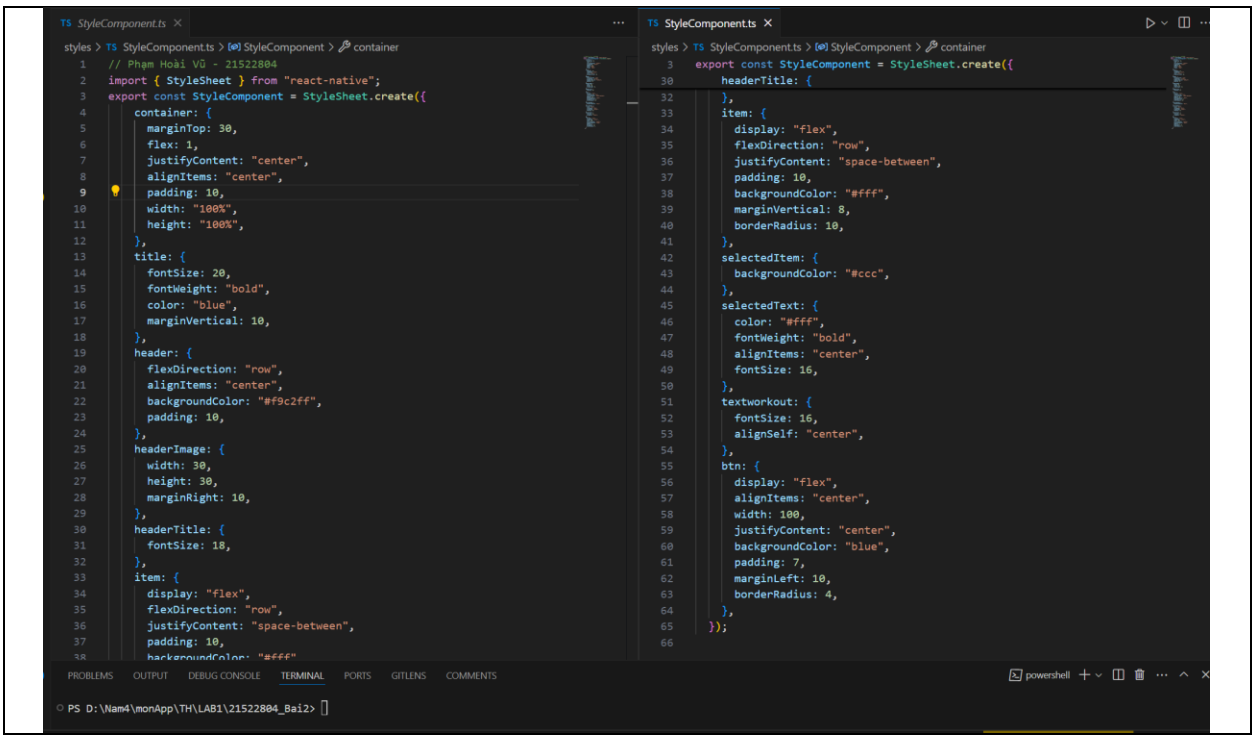


```tsx
// Phạm Hoài Vũ - 21522804
import React, { useState, useEffect } from "react";  6.9k (gzipped: 2.7k
import {
  FlatList,
  Text,
  TouchableOpacity,
  View,
  ImageBackground
} from "react-native";
import { workouts } from "../Data/Data";
import { Workout } from "../models/Workout";
import { StyleComponent } from "../../styles/StyleComponent";

const WorkoutsComponent: React.FC<Workout> = ({ onSelect }) => {
  const [selectedWorkouts, setSelectedWorkouts] = useState<string[]>([]);

  useEffect(() => {
    onSelect(selectedWorkouts);
  },
  [selectedWorkouts]);

  const toggleWorkout = (type: string) => {
    if (selectedWorkouts.includes(type)) {
      setSelectedWorkouts(selectedWorkouts.filter((item) => item !== type
    } else {
      setSelectedWorkouts([...selectedWorkouts, type]);
    }
  };

  const renderItem = ({ item }: { item: { id: string; type: string } }) =>
    const isSelected = selectedWorkouts.includes(item.type);
    return (
      <View style={[StyleComponent.item, isSelected && StyleComponent.se
        <Text style={StyleComponent.textworkout}>{item.type}</Text>
        <TouchableOpacity
          onPress={() => toggleWorkout(item.type)}
          style={StyleComponent.btn}
        >
          <Text style={StyleComponent.selectedText}>
            {isSelected ?  "DESELECT" : "SELECT" }
          </Text>
        </TouchableOpacity>
      </View>
    );
  };
  return (
    <View style={StyleComponent.container}>
      <Text style={StyleComponent.title}>FlastList - Workouts</Text>
    <ImageBackground
      source={require("../../assets/bg1.jpg")}
      style = {{width: "100%"}}
      >
      <FlatList
        style={{ width: "100%" }}
        data={workouts}
        renderItem={renderItem}
        keyExtractor={(item) => item.id}
      />
    </ImageBackground>

    </View>
  );
};
export default WorkoutsComponent;
```

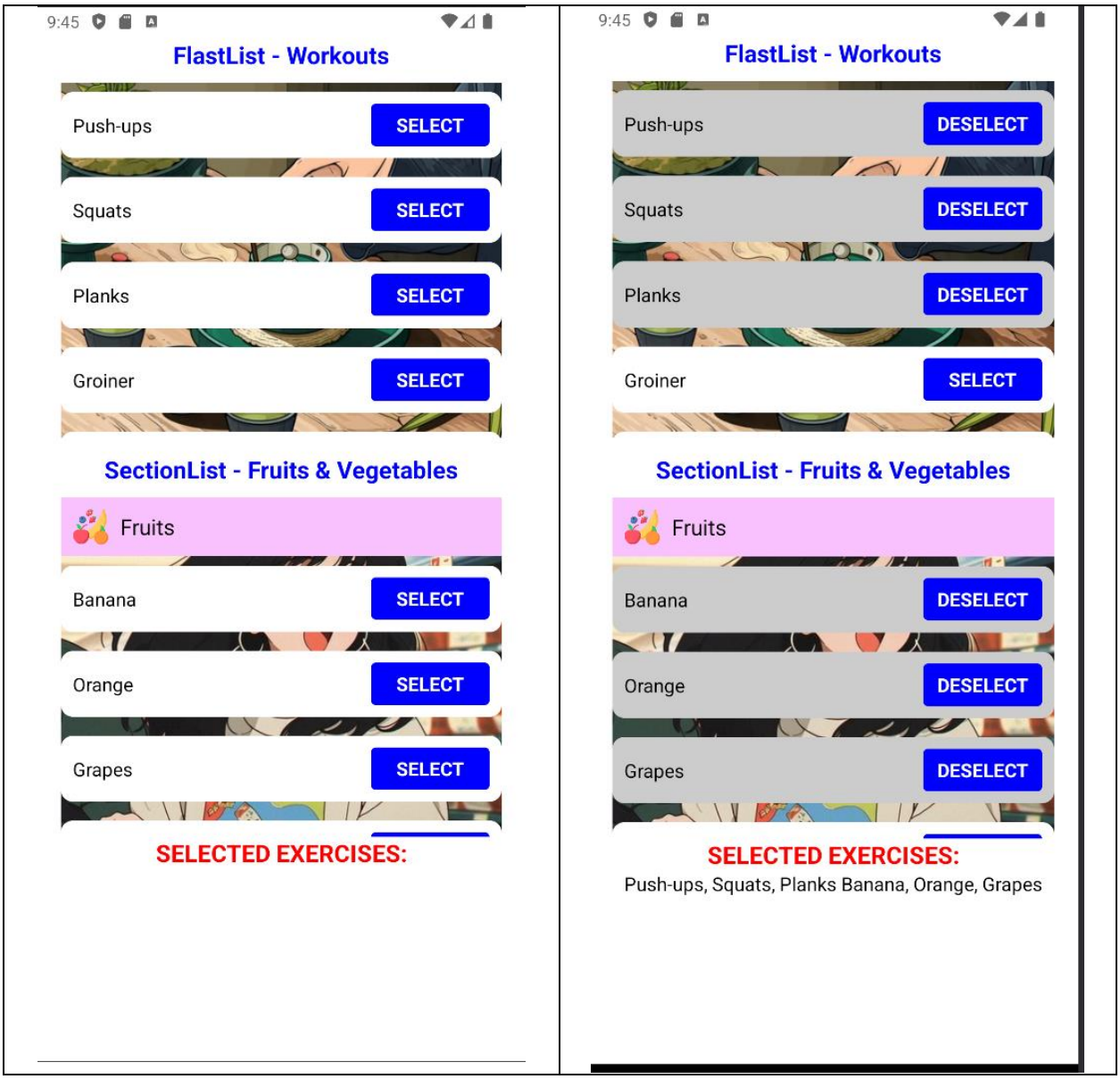
3. Models (Fruit.ts, Workout.ts)



4. StyleComponent.tsx



- ***Màn hình kết quả:***



- ***Link video màn hình kết quả:***
  https://drive.google.com/drive/folders/1bVoVq56EB9kzqz4OcQDbYHqgqJBgzTlH?usp=sharing