Department of Creative Technology

Course: Mobile Application Development

Instructor: Dr Humaira Waqas

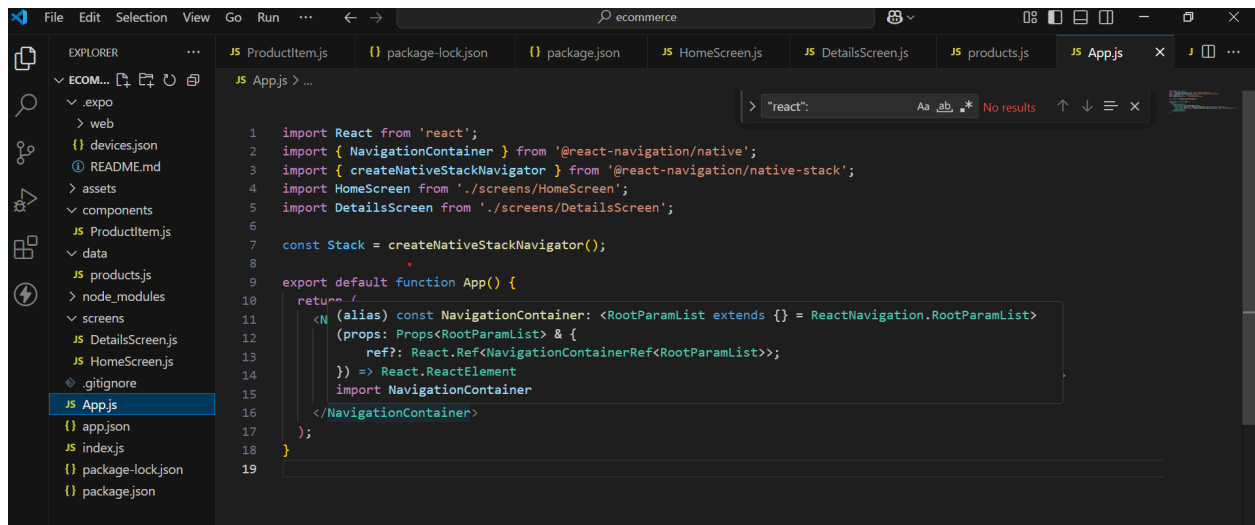## Assignment

Name: Eman Ehsan
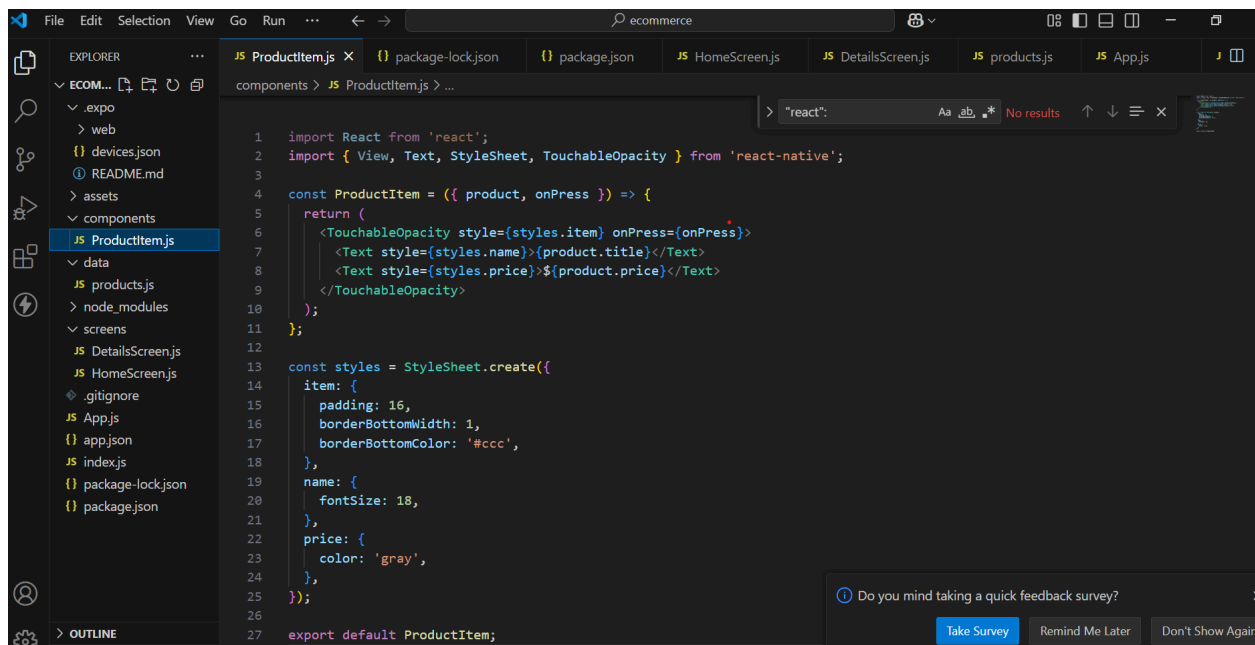
Dept: BSSE-6-A

Reg ID: 221779

Ecommerce App

CODE:

App.js — window 1

```
1  import React from 'react';
2  import { NavigationContainer } from '@react-navigation/native';
3  import { createNativeStackNavigator } from '@react-navigation/native-stack';
4  import HomeScreen from './screens/HomeScreen';
5  import DetailsScreen from './screens/DetailsScreen';
6
7  const Stack = createNativeStackNavigator();
8
9  export default function App() {
10   return (
11     <N (alias) const NavigationContainer: <RootParamList extends {} = ReactNavigation.RootParamList>
12     (props: Props<RootParamList> & {
13       ref?: React.Ref<NavigationContainerRef<RootParamList>>;
14     }) => React.ReactElement
15       import NavigationContainer
16     </NavigationContainer>
17   );
18 }
19
```

Search: "react": No results

ProductItem.js — window 2

components > ProductItem.js > ...

```
1   import React from 'react';
2   import { View, Text, StyleSheet, TouchableOpacity } from 'react-native';
3
4   const ProductItem = ({ product, onPress }) => {
5     return (
6       <TouchableOpacity style={styles.item} onPress={onPress}>
7         <Text style={styles.name}>{product.title}</Text>
8         <Text style={styles.price}>${product.price}</Text>
9       </TouchableOpacity>
10    );
11  };
12
13  const styles = StyleSheet.create({
14    item: {
15      padding: 16,
16      borderBottomWidth: 1,
17      borderBottomColor: '#ccc',
18    },
19    name: {
20      fontSize: 18,
21    },
22    price: {
23      color: 'gray',
24    },
25  });
26
27  export default ProductItem;
```

Search: "react": No results

Screenshot 1 — products.js

```
data > JS products.js > ...

1   export const PRODUCTS = [
2     {
3       id: '1',
4       name: 'Wireless Headphones',
5       price: '$99.99',
6       description: 'High-quality wireless headphones with noise cancellation.',
7     },
8     {
9       id: '2',
10      name: 'Smart Watch',
11      price: '$199.99',
12      description: 'Feature-rich smart watch with health tracking.',
13    },
14    {
15      id: '3',
16      name: 'Bluetooth Speaker',
17      price: '$49.99',
18      description: 'Portable Bluetooth speaker with excellent sound quality.',
19    },
20  ];
21
```

Search bar: "react": Aa ab .* No results

Screenshot 2 — DetailsScreen.js

```
screens > JS DetailsScreen.js > [∅] DetailsScreen > [∅] handlesetdata

1   import React, { useState, useEffect } from 'react';
2   import { View, Text, StyleSheet, ActivityIndicator, TouchableOpacity } from 'react-native';
3   import AsyncStorage from '@react-native-async-storage/async-storage';
4
5   const DetailsScreen = ({ route }) => {
6     const { productId } = route.params;
7     const [product, setProduct] = useState(null);
8     const [loading, setLoading] = useState(true);
9     const [storedvalue,setstoredvalue]=useState();
10    useEffect(() => {
11      const fetchProductDetails = async () => {
12        try {
13          const response = await fetch(`https://fakestoreapi.com/products/${productId}`);
14          const data = await response.json();
15          setProduct(data);            •
16        } catch (err) {
17          console.error('Failed to fetch product:', err);
18        } finally {
19          setLoading(false);
20        }
21      };
22
23      fetchProductDetails();
24    }, [productId]);
25
26    if (loading) {
27      return <ActivityIndicator size="large" style={{ flex: 1 }} />;
28    }
```

Search bar: "react": Aa ab .* No results

```
ECOM...
  ∨ .expo
    > web
    {} devices.json
    ⓘ README.md
  > assets
  ∨ components
    JS ProductItem.js
  ∨ data
    JS products.js
  > node_modules
  ∨ screens
    JS DetailsScreen.js
    JS HomeScreen.js
  ◆ .gitignore
  JS App.js
  {} app.json
  JS index.js
  {} package-lock.json
  {} package.json
```

screens > DetailsScreen.js > DetailsScreen > handlesetdata

```javascript
 5   const DetailsScreen = ({ route }) => {
25
26     if (loading) {
27       return <ActivityIndicator size="large" style={{ flex: 1 }} />;
28     }
29
30     if (!product) {
31       return <Text style={{ flex: 1, textAlign: 'center' }}>Product not found.</Text>;
32     }
33
34     const getData = async (key) => {
35       try {
36         const value = await AsyncStorage.getItem(key);
37         if (value !== null) {
38           setstoredvalue(value);
39           return value;
40         }
41         console.log('No data found for this key');
42         return null;
43       } catch (error) {
44         console.error('Error retrieving data:', error);
45         return null;
46       }
47     };
48     const handlesetdata=()=>
49     {storeData('productname', 'product.title');
50       storeData('productprice', 'product.price');
51       storeData('productcategory', 'product.category');
52       storeData('productdescription', 'product.description');
53
```

> "react": Aa ab .*

ⓘ Do mind taking a q

Take Surv

```
ECOMMERCE
  ∨ .expo
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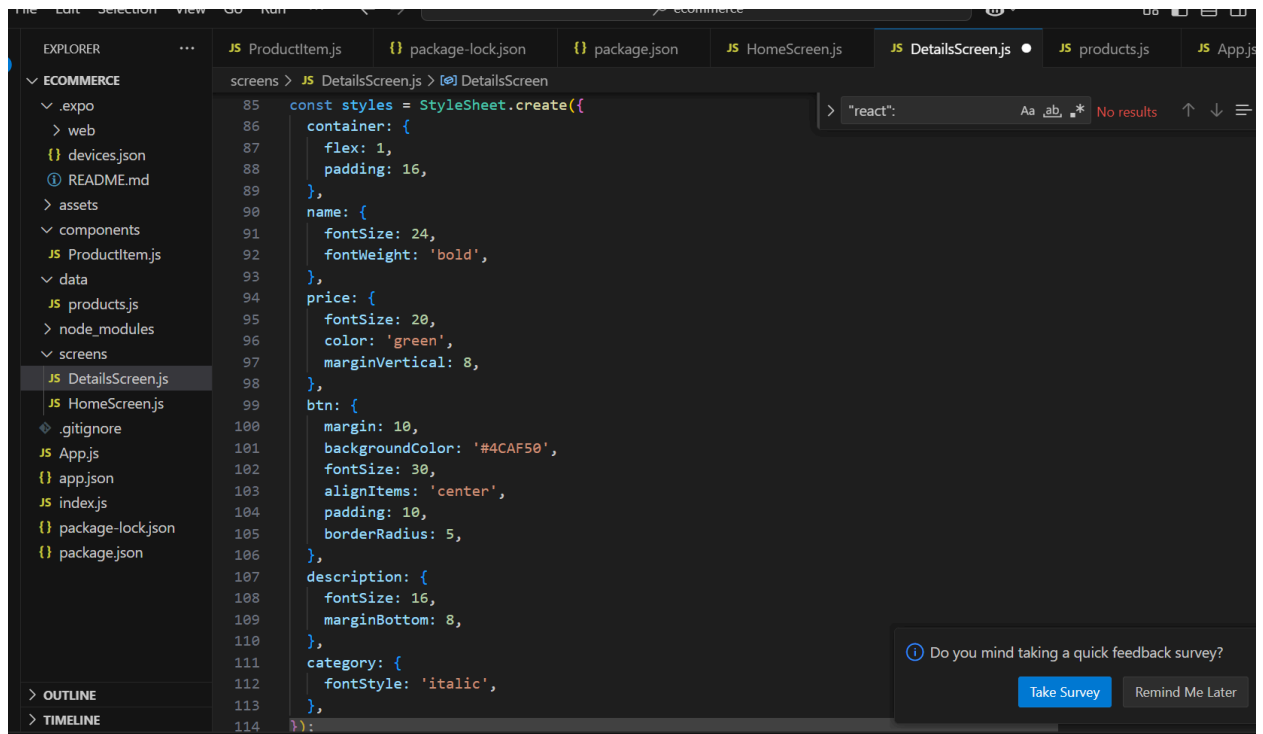
screens > DetailsScreen.js > DetailsScreen

```javascript
 5   const DetailsScreen = ({ route }) => {
48     const handlesetdata=()=>
                storeData('prod', JSON.stringify(prod));
56     }
57     const handlegetdata=async()=>{
58       const username = await getData('productname');
59       const userString = await getData('prod');
60       const userObject = JSON.parse(userString);
61   }
62
63     const storeData = async (key, value) => {
64       try {
65         await AsyncStorage.setItem(key, value);
66         console.log('Data saved successfully');
67       } catch (error) {
68         console.error('Error saving data:', error);
69       }
70     };
71
72     return (
73       <View style={styles.container}>
74         <Text style={styles.name}>{product.title}</Text>
75         <Text style={styles.price}>${product.price}</Text>
76         <Text style={styles.description}>{product.description}</Text>
77         <Text style={styles.category}>Category: {product.category}</Text>
78         <TouchableOpacity style={styles.btn} onPress={handlesetdata}><Te
79         <TouchableOpacity style={styles.btn} onPress={handlegetdata}><Te
80         {storedvalue? <Text>{storedvalue}</Text>:null}
81       </View>
82   );
```

> "react": Aa ab .* No results

ⓘ Do you mind taking a quick feedback survey?

Take Survey   Remind Me Later   Don't Show

EXPLORER ···   JS ProductItem.js   {} package-lock.json   {} package.json   JS HomeScreen.js   JS DetailsScreen.js ●   JS products.js   JS App.js

∨ ECOMMERCE   screens › JS DetailsScreen.js › [∅] DetailsScreen   "react":   Aa ab .*   No results   ↑ ↓ ≡
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    JS HomeScreen.js
  ◆ .gitignore
  JS App.js
  {} app.json
  JS index.js
  {} package-lock.json
  {} package.json

```
 85   const styles = StyleSheet.create({
 86     container: {
 87       flex: 1,
 88       padding: 16,
 89     },
 90     name: {
 91       fontSize: 24,
 92       fontWeight: 'bold',
 93     },
 94     price: {
 95       fontSize: 20,
 96       color: 'green',
 97       marginVertical: 8,
 98     },
 99     btn: {
100       margin: 10,
101       backgroundColor: '#4CAF50',
102       fontSize: 30,
103       alignItems: 'center',
104       padding: 10,
105       borderRadius: 5,
106     },
107     description: {
108       fontSize: 16,
109       marginBottom: 8,
110     },
111     category: {
112       fontStyle: 'italic',
113     },
114   }):
```

> OUTLINE
> TIMELINE

Do you mind taking a quick feedback survey?   [Take Survey] [Remind Me Later]

OUTPUT:

Products

Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops
$109.95

Mens Casual Premium Slim Fit T-Shirts
$22.3

Mens Cotton Jacket
$55.99

Mens Casual Slim Fit
$15.99

John Hardy Women's Legends Naga Gold & Silver Dragon Station Chain Bracelet
$695

Solid Gold Petite Micropave
$168

White Gold Plated Princess
$9.99

Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops

$109.95

Your perfect pack for everyday use and walks in the forest. Stash your laptop (up to 15 inches) in the padded sleeve, your everyday

Category: men's clothing

Save

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load

Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops

$109.95

Your perfect pack for everyday use and walks in the forest. Stash your laptop (up to 15 inches) in the padded sleeve, your everyday

Category: men's clothing

Save

load

{"productname":"Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops","productprice":109.95,"productcategory":"men's clothing","productdescription":"Your perfect pack for everyday use and walks in the forest. Stash your laptop (up to 15 inches) in the padded sleeve, your everyday"}