

THE STORYTELLING APP



What is our GOAL for this MODULE?

In this class, we integrated the Tab and Drawer Navigators for a new storytelling app with social media features.

What did we ACHIEVE in the class TODAY?

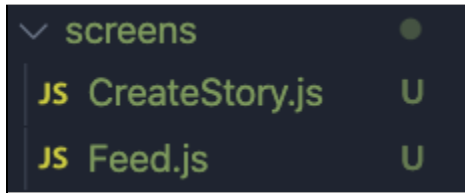
- Started by setting up our app with Expo and installation of different navigations.
- Created a screens folder with two files—**Feed.js** and **CreateStory.js**.
- Created a **createBottomTabNavigator()** function.
- Created a **Profile.js** file in the screens folder.
- Created a **DrawerNavigator.js** in the **navigation** folder.

Which CONCEPTS/ CODING BLOCKS did we cover today?

- design the blueprint of the app
- bottom tab navigation
- profile screen
- integrate drawer navigation

How did we DO the activities?

1. Start by setting up our app with Expo -
`expo init storytelling-app`
2. Install different navigations,
`yarn add @react-navigation/native`
`expo install react-native-gesture-handler react-native-reanimated`
`react-native-screens`
`react-native-safe-area-context @react-native-community/masked-view`
`yarn add @react-navigation/bottom-tabs`
3. Create a screens folder which will have two files—**Feed.js** and **CreateStory.js**.



```
JS Feed.js  X
81t > screens > JS Feed.js > Feed
1  import React, { Component } from 'react';
2  import { Text, View } from 'react-native';
3
4  export default class Feed extends Component {
5    render() {
6      return (
7        <View
8          style={{
9            flex: 1
10           justifyContent: "center",
11           alignItems: "center"
12         }}>
13        <Text>Feeds</Text>
14      </View>
15    )
16  }
17 }
```

```

JS CreateStory.js ×
81t > screens > JS CreateStory.js > CreateStory
1  import React, { Component } from 'react';
2  import { Text, View } from 'react-native';
3
4  export default class CreateStory extends Component {
5      render() {
6          return (
7              <View
8                  style={{
9                      flex: 1,
10                     justifyContent: "center",
11                     alignItems: "center"
12                 }}>
13                  <Text>Create Story</Text>
14              </View>
15          )
16      }
17  }
  
```

4. Import all the modules we require for bottom tab navigation along with the screens that are created.

```

import * as React from 'react';
import { NavigationContainer } from '@react-navigation/native';
import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
import Ionicons from 'react-native-vector-icons/Ionicons';
import Feed from "../screens/Feed";
import CreateStory from "../screens/CreateStory";
  
```

5. Create a **bottom tab navigator** called **Tab** with the help of the **createBottomTabNavigator()** function.

```
const Tab = createBottomTabNavigator();

export default function App() {
  return (
    <NavigationContainer>
      <Tab.Navigator
        screenOptions={({ route }) => ({
          tabBarIcon: ({ focused, color, size }) => {
            let iconName;
            if (route.name === 'Feed') {
              iconName = focused
                ? 'book'
                : 'book-outline';
            } else if (route.name === 'CreateStory') {
              iconName = focused ? 'create' : 'create-outline';
            }
            return <Ionicons name={iconName} size={size} color={color} />;
          },
        })}
        tabBarOptions={{
          activeTintColor: 'tomato',
          inactiveTintColor: 'gray',
        }}
      >
        <Tab.Screen name="Feed" component={Feed} />
        <Tab.Screen name="CreateStory" component={CreateStory} />
      </Tab.Navigator>
    </NavigationContainer>
  );
}
```



6. Install drawer navigation with the following command:

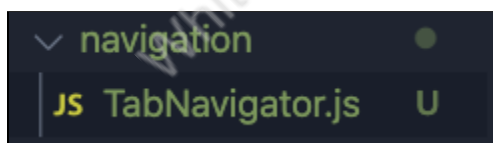
```
yarn add @react-navigation/drawer
```

7. Create a *Profile.js* in the screens folder.

```

JS Profile.js  X
81t > screens > JS Profile.js > Profile
1  import React, { Component } from 'react';
2  import { Text, View } from 'react-native';
3
4  export default class Profile extends Component {
5      render() {
6          return (
7              <View
8                  style={{
9                      flex: 1,
10                     justifyContent: "center",
11                     alignItems: "center"
12                 }}>
13                  <Text>Profile</Text>
14              </View>
15          )
16      }
17  }
  
```

8. Create a new folder navigation and move our code of BottomTabNavigator to a file called TabNavigator.js.



```

import React from 'react';
import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
import Ionicons from 'react-native-vector-icons/Ionicons';
import Feed from "../screens/Feed";
import CreateStory from "../screens/CreateStory";

const Tab = createBottomTabNavigator();
  
```

```
const BottomTabNavigator = () => {
  return (
    <Tab.Navigator
      screenOptions={({ route }) => ({
        tabBarIcon: ({ focused, color, size }) => {
          let iconName;
          if (route.name === 'Feed') {
            iconName = focused
              ? 'book'
              : 'book-outline';
          } else if (route.name === 'CreateStory') {
            iconName = focused ? 'create' : 'create-outline';
          }
          return <Ionicons name={iconName} size={size} color={color} />;
        },
      })
    >
    <Tab.Screen name="Feed" component={Feed} />
    <Tab.Screen name="CreateStory" component={CreateStory} />
  </Tab.Navigator>
);
}
export default BottomTabNavigator
```

9. Create a **DrawerNavigator.js** in the **navigation** folder and add the following code block to it.

```
import React from "react";
import { createDrawerNavigator } from "@react-navigation/drawer";
import TabNavigator from "../TabNavigator";
import Profile from "../screens/Profile";

const Drawer = createDrawerNavigator();
```

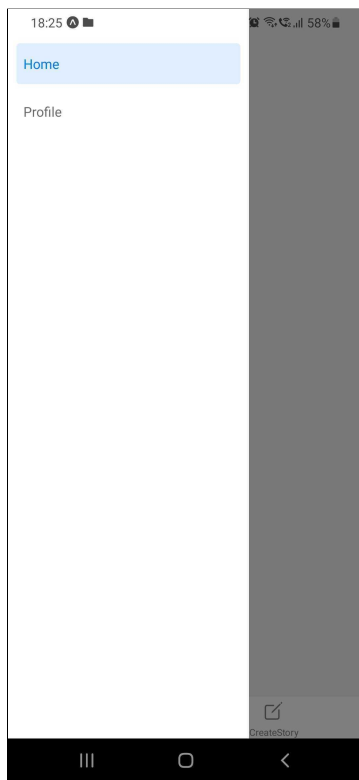


```
const DrawerNavigator = () => {  
  return (  
    <Drawer.Navigator>  
      <Drawer.Screen name="Home" component={TabNavigator} />  
      <Drawer.Screen name="Profile" component={Profile} />  
    </Drawer.Navigator>  
  );  
};  
  
export default DrawerNavigator;
```

10. Call the `<DrawerNavigator/>` component inside a `<NavigationContainer>` component in `App.js`.

```
81t > JS App.js > App  
1  import * as React from 'react';  
2  import { NavigationContainer } from '@react-navigation/native';  
3  import DrawerNavigator from "../navigation/DrawerNavigator";  
4  
5  export default function App() {  
6    return (  
7      <NavigationContainer>  
8        <DrawerNavigator />  
9      </NavigationContainer>  
10    );  
11  }
```

OUTPUT:



What's next?

In the next class, we'll be working on creating the full-fledged Feed screen where the user will be able to see different stories.

EXTEND YOUR KNOWLEDGE

1. Learn and experiment with DrawerNavigator:
<https://reactnavigation.org/docs/drawer-navigator/>