День 3

Навигация в React Native

Or Zero To One Labs

План

- YTO Takoe React Navigation?
- Как добавить react navigation в проект?
- Виды React Navigation
 - StackNavigator
 - Tab Navigator
 - Drawer Navigation
- Переходы между экранами
- Рередача данных между экранами

Что такое React Navigation?

React Navigation - library for routing and navigation

- Легко использовать
- ✓ Компоненты, созданные для iOS и Android
- Полностью настраиваемый

Как добавить react navigation в проект?

```
"dependencies": {
 "@expo/vector-icons": "6.2.1",
  "react-native-elements": "0.18.5",
  "react-navigation": "^1.5.11"
```

Добавляем в package.json

Как добавить react navigation в проект?

```
import {
   StackNavigator,
   TabNavigator,
   DrawerNavigator
} from 'react-navigation';
```

Виды React Native

StackNavigator



Home Screen

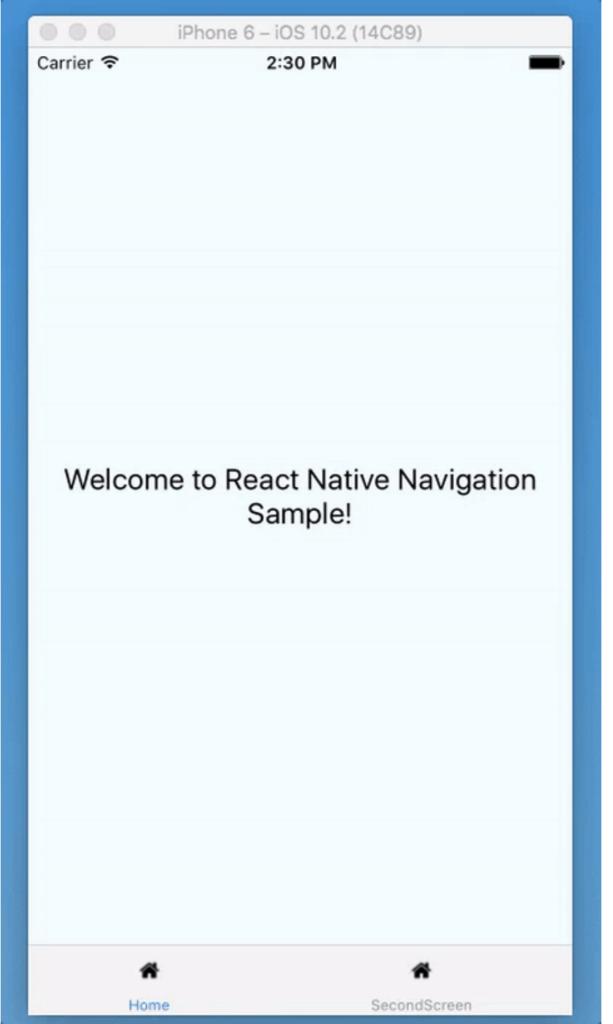
Welcome to React Native Navigation Sample!

Go to Second Screen

StackNavigator

```
import { StackNavigator } from 'react-navigation';
import Screen1 from '../screens/Screen1';
import Screen2 from '../screens/Screen2';
import Screen3 from '../screens/Screen3';
import Screen4 from '../screens/Screen4';
const stackNavigator = StackNavigator({
    Screen1: {
        screen: Screen1
    },
    Screen2: {
        screen: Screen2
    },
    Screen3: {
        screen: Screen3
    },
    Screen4: {
        screen: Screen4
})
export default stackNavigator;
```

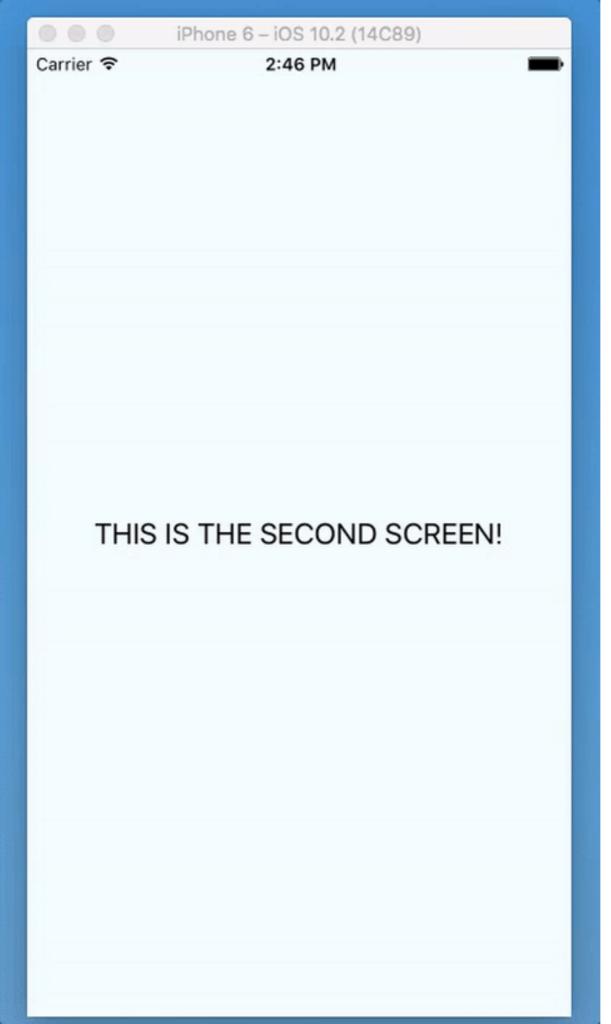
Tab Navigator



TabNavigator

```
import { TabNavigator } from 'react-navigation';
import Screen1 from '../screens/Screen1';
import Screen2 from '../screens/Screen2';
import Screen3 from '../screens/Screen3';
import Screen4 from '../screens/Screen4';
const tabNavigator = TabNavigator({
    Screen1: {
        screen: Screen1
    Screen2: {
        screen: Screen2
    Screen3: {
        screen: Screen3
    Screen4: {
        screen: Screen4
})
export default tabNavigator;
```

Drawer Navigation



DrawerNavigator

```
import { DrawerNavigator } from 'react-navigation';
import Screen1 from '../screens/Screen1';
import Screen2 from '../screens/Screen2';
import Screen3 from '../screens/Screen3';
import Screen4 from '../screens/Screen4';
const drawerNavigator = DrawerNavigator({
    Screen1: {
        screen: Screen1
    },
    Screen2: {
        screen: Screen2
    },
    Screen3: {
        screen: Screen3
    },
    Screen4: {
        screen: Screen4
})
export default drawerNavigator;
```

Переходы между экранами

this.props.navigation.navigate('Screen Name')

Переходы между экранами

Передача данных между экранами

this.props.navigation.navigate('Screen Name',

{ /* параметры для передачи*/ })

Передача данных между экранами

```
class HomeScreen extends React.Component {
  render() {
    return (
      <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
        <Text>Home Screen</Text>
        <Button
          title="Go to Details"
          onPress={() => {
            /* 1. Navigate to the Details route with params */
            this.props.navigation.navigate('Details', {
              itemId: 86,
              otherParam: 'anything you want here',
            });
          }}
        />
      </View>
    );
```

Получение данных

this.props.navigation.state.params. {parametr_name}

Получение данных

```
class DetailsScreen extends React.Component {
 render() {
    /* 2. Read the params from the navigation state */
    const { params } = this.props.navigation.state;
    const itemId = params ? params.itemId : null;
    const otherParam = params ? params.otherParam : null;
    return (
      <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
        <Text>Details Screen</Text>
        <Text>itemId: {JSON.stringify(itemId)}</Text>
        <Text>otherParam: {JSON.stringify(otherParam)}</Text>
        <Button
          title="Go to Details... again"
          onPress={() => this.props.navigation.navigate('Details')}
        />
        <Button
          title="Go back"
          onPress={() => this.props.navigation.goBack()}
        />
      </View>
```

Кнопка назад

```
class DetailsScreen extends React.Component {
  render() {
    return (
      <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
        <Text>Details Screen</Text>
        <Button
          title="Go to Details... again"
          onPress={() => this.props.navigation.navigate('Details')}
        />
        <Button
          title="Go back"
          onPress={() => this.props.navigation.goBack()}
        />
      </View>
    );
```

this.props.navigation.goBack()

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Demo App





Спасибо за внимание 💝

