

# День 3

## Навигация в React Native

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## План

- ▶ Что такое React Navigation?
- ▶ Как добавить react navigation в проект?
- ▶ Виды React Navigation
  - ▶ StackNavigator
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  - ▶ Drawer Navigation
- ▶ Переходы между экранами
- ▶ Передача 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';
```

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Виды React Native

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# 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;
```

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# Tab Navigator



iPhone 6 – iOS 10.2 (14C89)

Carrier 

2:30 PM



Welcome to React Native Navigation  
Sample!



Home



SecondScreen

# 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;
```

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# Drawer Navigation



iPhone 6 – iOS 10.2 (14C89)

Carrier 

2:46 PM



THIS IS THE SECOND SCREEN!

# 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

```
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={() => this.props.navigation.navigate('Details')}  
        />  
      </View>  
    );  
  }  
}
```

# 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



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Спасибо за внимание 😊