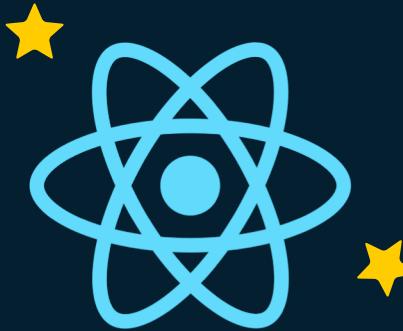


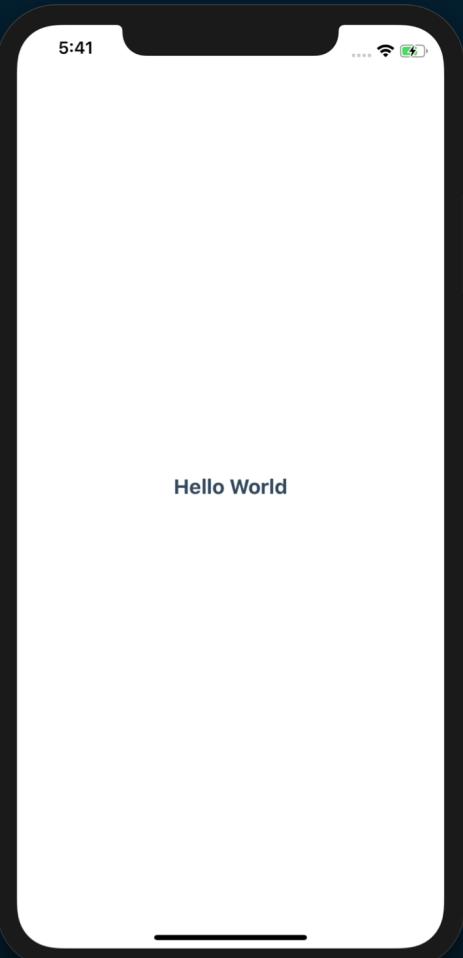
# React Native WORKSHOP



Developing *cross-platform* mobile apps

# View & Text

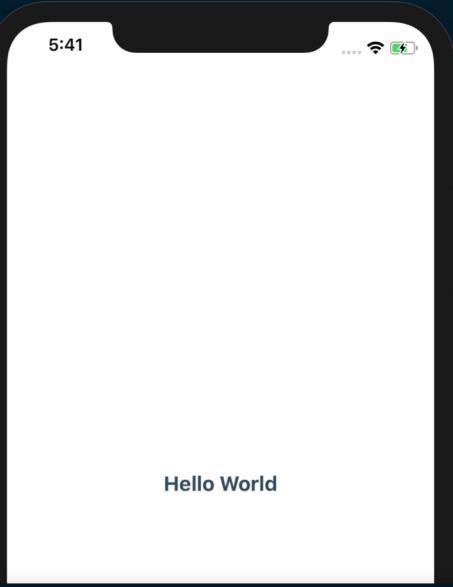




```
● ● ●  
  
import * as React from 'react';  
import {  
    Text,  
    View  
} from 'react-native';  
import styles from './Styles';  
  
export default class App extends React.Component {  
    render() {  
        return(  
            <View style={styles.view}>  
                <Text style={styles.text}>  
                    Hello World  
                </Text>  
            </View>  
        );  
    }  
}
```

# StyleSheet





```
<View style={styles.view}>
  <Text style={styles.text}>
    Hello World
  </Text>
</View>
```

```
import { StyleSheet } from 'react-native'

export default StyleSheet.create({
  text: {
    margin: 24,
    fontSize: 18,
    fontWeight: 'bold',
    textAlign: 'center',
    color: '#34495e'
  },
  view: {
    flex: 1,
    flexDirection: 'column',
    justifyContent: 'center',
    alignItems: 'stretch'
  }
});
```

```
// HTML/CSS/JS
```

```
.text {  
    margin: 24px;  
    font-size: 50px;  
    font-weight: bold;  
    text-align: center;  
    color: #34495e;  
}
```

```
<p class="text">  
    Hello World  
</p>
```

```
// React Native
```

```
text: {  
    margin: 24,  
    fontSize: 18,  
    fontWeight: 'bold',  
    textAlign: 'center',  
    color: '#34495e',  
}
```

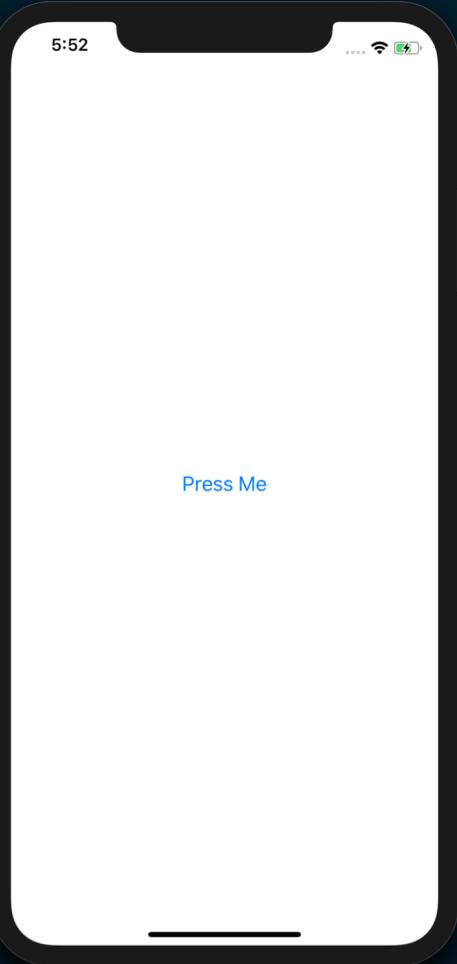
```
<Text style={styles.text}>  
    Hello World  
</Text>
```

# Button

&

# Alert





```
import * as React from 'react';
import {
  View,
  Button,
  Alert
} from 'react-native';
import styles from './Styles';

export default class App extends React.Component {
  pressButton = () => {
    Alert.alert('Button tapped!')
  }

  render() {
    return(
      <View style={styles.view}>
        <Button
          title="Press Me"
          onPress={this.pressButton}
        />
      </View>
    );
  }
}
```

*// HTML/CSS/JS*

```
function onPress() {  
    alert('Clicked!')  
}
```

```
<button onclick="onPress()">  
    Press Me  
</button>
```

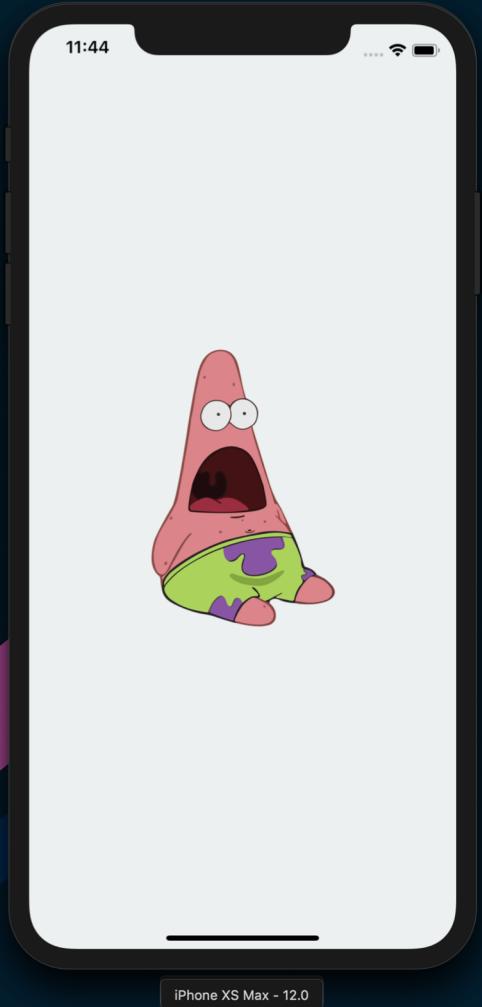
*// React Native*

```
onPress = () => {  
    Alert.alert('Tapped!')  
}
```

```
<Button  
    title="Press Me"  
    onPress={this.onPress}  
/>
```

# TouchableOpacity & Image





```
● ● ●  
  
import * as React from 'react';  
import { Text, View, Alert, TouchableOpacity, Image }  
from 'react-native';  
  
export default class App extends React.Component {  
  showAlert = () => {  
    Alert.alert("no this is patrick")  
  }  
  render() {  
    return(  
      <View style={styles.view}>  
        <TouchableOpacity onPress={this.showAlert}>  
          <Image  
            source={{  
              uri: "http://bit.do/patstar",  
              width: 200,  
              height: 250  
            }}  
          />  
        </TouchableOpacity>  
      </View>  
    );  
  }  
}
```

```
// HTML/CSS/JS  
  
  
  
  
<p style="  
    font-size: 50;  
    color: blue;  
">  
    This is a heading  
</p>
```

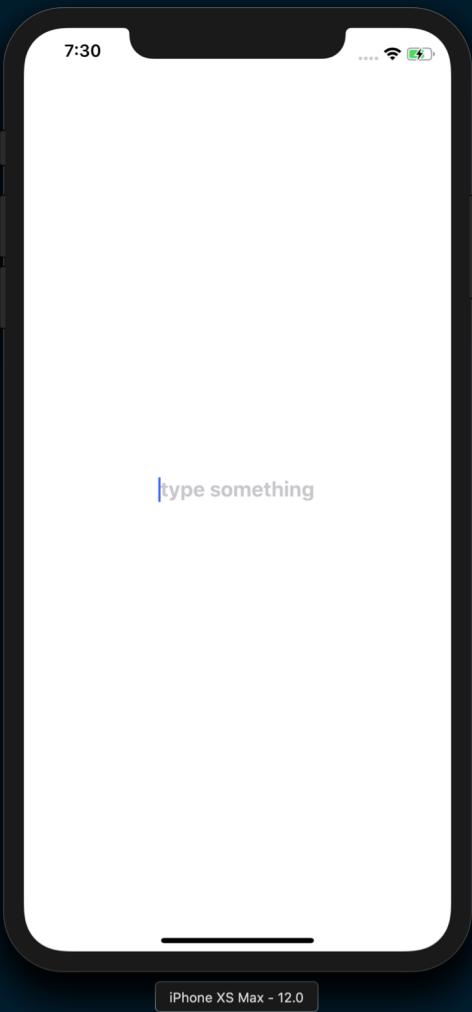
```
// React Native  
  
<Image source={{  
    uri: "image.png",  
    width: 200,  
    height: 200  
}}/>  
  
  
<Text style={{  
    fontSize: 50,  
    color: 'blue'  
}}>  
    Hello World  
</Text>
```

# TextInput

&

# State





```
import * as React from 'react';
import {
  View,
  Button,
  Alert,
  TextInput
} from 'react-native';
import styles from './Styles';

export default class App extends React.Component {
  render() {
    return(
      <View style={styles.view}>
        <TextInput
          placeholder="type something"
          returnKeyType="done"
          value={this.state.item}
          onChangeText={this.storeText}
          onSubmitEditing={this.showText}
          style={styles.text}
        />
      </View>
    );
  }
}
```

```
// HTML/CSS/JS
```

```
var name = "Jim";  
var x = 5;  
var isHuman = true;
```

```
text = "hello world";
```

```
alert(text)
```

```
// React Native
```

```
state = {  
  name: 'Jim',  
  x: 5,  
  isHuman: true  
}
```

```
this.setState({  
  text: 'hello world'  
})
```

```
Alert.alert(this.state.text)
```

# Interval & Boolean

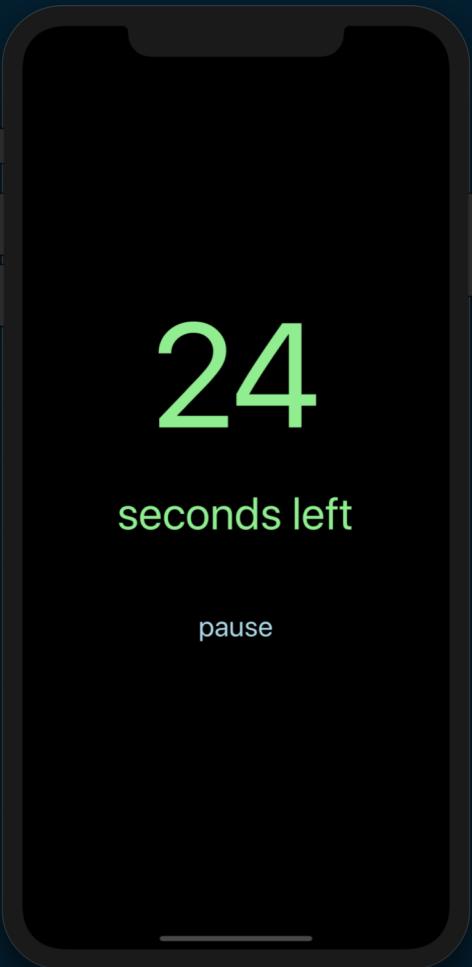


2:54

One

iPhone XS Max - 12.0

```
export default class App extends React.Component {
  state = {
    showText: false
  }
  componentDidMount() {
    setInterval(() => {
      this.setState((prevState) => {
        return {
          showText: !prevState.showText
        };
      });
    }, 1000);
  }
  render() {
    return(
      <View>
        { this.state.showText ? (
          <Text> One </Text>
        ) : (
          <Text> Two </Text>
        )}
      </View>
    );
  }
}
```



iPhone XS Max - 12.0

# Activity: Countdown Timer

# Props



# FlatList



5:22

0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10

iPhone XS Max - 12.0

```
export default class App extends React.Component {  
    state = {  
        listData: Array.apply(null,{length: 100})  
            .map(Number.call, Number)  
    }  
    renderList = ({item}) => (  
        <Text style={styles.text}>{item}</Text>  
    )  
    render() {  
        return(  
            <View style={styles.view}>  
                <FlatList  
                    data={this.state.listData}  
                    renderItem={this.renderList}  
                />  
            </View>  
        );  
    }  
}
```

# Asynchronous Storage



12:44

Enter Name

save

```
componentDidMount() {
    AsyncStorage.getItem('nameDB').then((nameJSON) => {
        this.setState({
            nameStored: JSON.parse(nameJSON)
        })
    })
}
save = (name) => {
    AsyncStorage.setItem('nameDB', JSON.stringify(name))
}
state = {
    nameStored: '',
    name: ''
}
onSave = () => {
    this.setState({
        nameStored: this.state.name,
        name: ''
    })
    this.save(this.state.name)
}
onChangeText = (text) => {
    this.setState({
        name: text
    })
}
```

• • •

```
<View style={styles.view}>
<TextInput
    style={styles.text}
    placeholder='Enter Name'
    onChangeText={this.onChangeText}
/>
<Button
    title="save"
    onPress={this.onSave}
/>
<Text style={styles.text}>
    {this.state.nameStored}
</Text>
</View>
```

iPhone XS Max - 12.0

# Navigation



11:56

Home

next page

```
import * as React from 'react';
import home from './Home'
import detail from './Detail'
import { createStackNavigator } from 'react-navigation';

const RootStack = createStackNavigator(
{
  Home: home,
  Detail: detail
},
{
  initialRouteName: 'Home',
}
)

export default class App extends React.Component {
  render() {
    return <RootStack/>
  }
}
```

```
<Button
  title="next page"
  onPress={()=>
    this.props.navigation
      .navigate('Detail')
  }
/>
```

# Activity: To Do List

