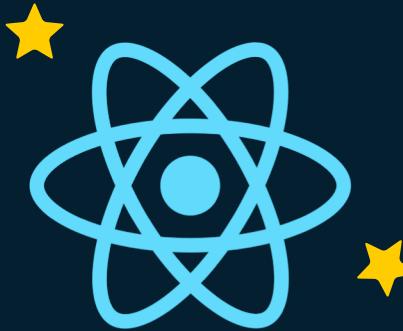


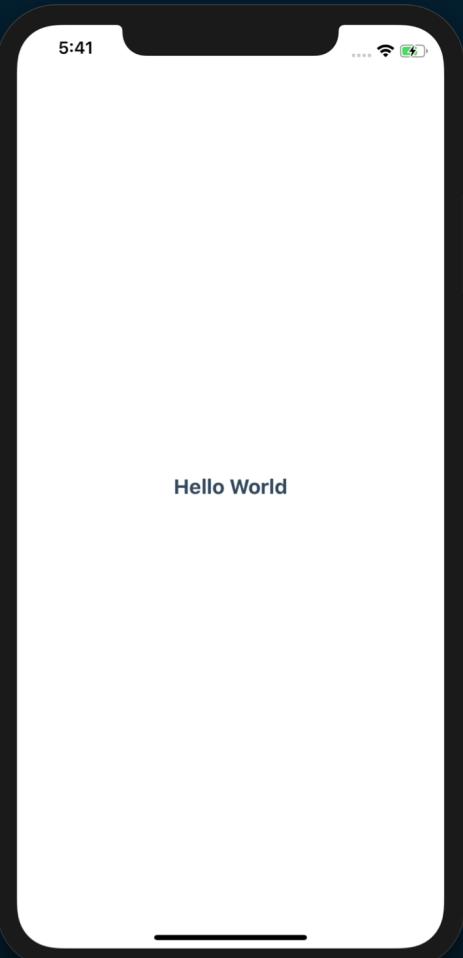
React Native WORKSHOP



Developing *cross-platform* mobile apps

View & Text

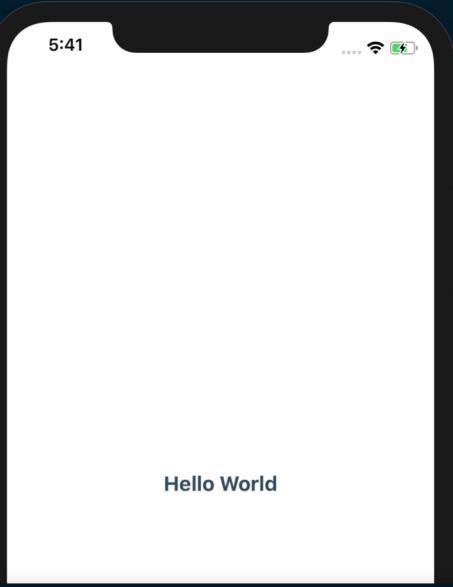




```
● ● ●  
  
import * as React from 'react';  
import {  
    Text,  
    View  
} from 'react-native';  
import styles from './Styles';  
  
export default class App extends React.Component {  
    render() {  
        return(  
            <View style={styles.view}>  
                <Text style={styles.text}>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

Image & ScrollView



9:40

is this
the
Krusty
Krab?



iPhone XS Max - 12.0

```
import * as React from 'react';
import {
  Image,
  Text,
  ScrollView
} from 'react-native';

export default class App extends React.Component {
  render() {
    return(
      <ScrollView>
        <Text style={{{
          fontSize: 130,
          color: 'pink',
          paddingTop: 30
        }}>
          is this the Krusty Krab?
        </Text>

        <Image source={{
          uri: "http://bit.do/patstar",
          width: 200,
          height: 250
        }}/>
    
```

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

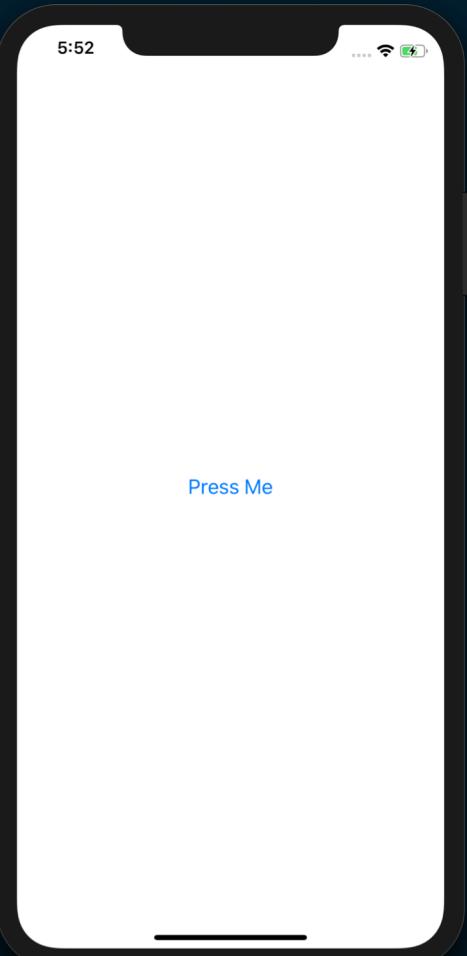
```
// React Native  
  
<Image source={{  
    uri: "image.png",  
    width: 200,  
    height: 200  
}}/>  
  
  
<Text style={{  
    fontSize: 50,  
    color: 'blue'  
}}>  
    Hello World  
</Text>
```

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!')  
}
```

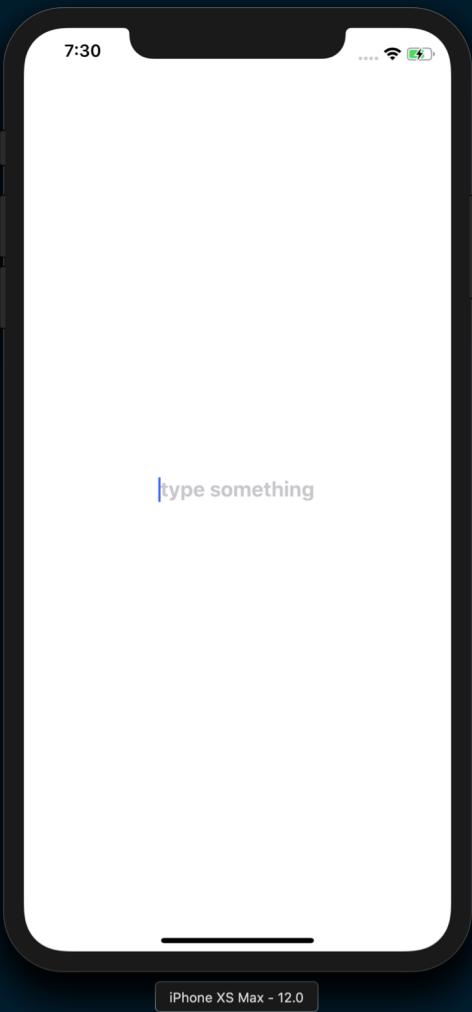
```
<Button  
    title="Press Me"  
    onPress={this.onPress}  
/>
```

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

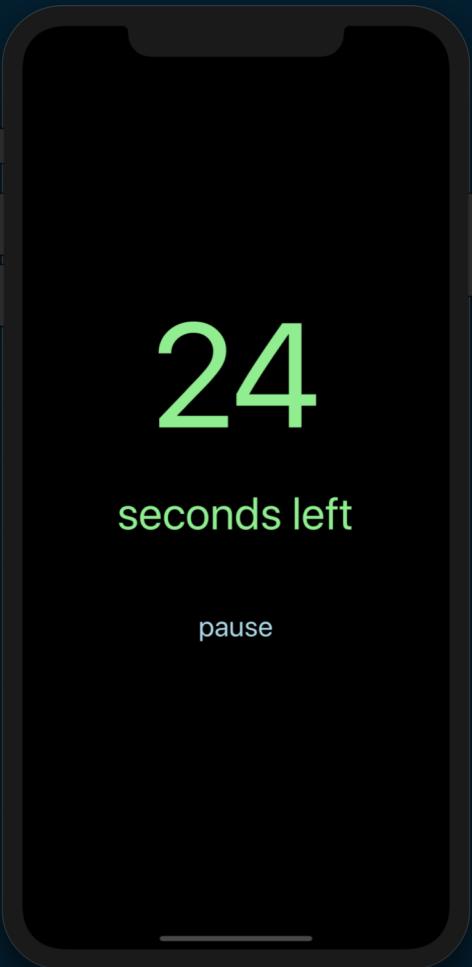


2:54

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

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



Activity: To Do List

