

LET'S CONNECT TO AN
END POINT

```

import * as React from 'react'
import {View, Text, StyleSheet, ImageBackground} from 'react-native'

export default class Featured extends React.Component{

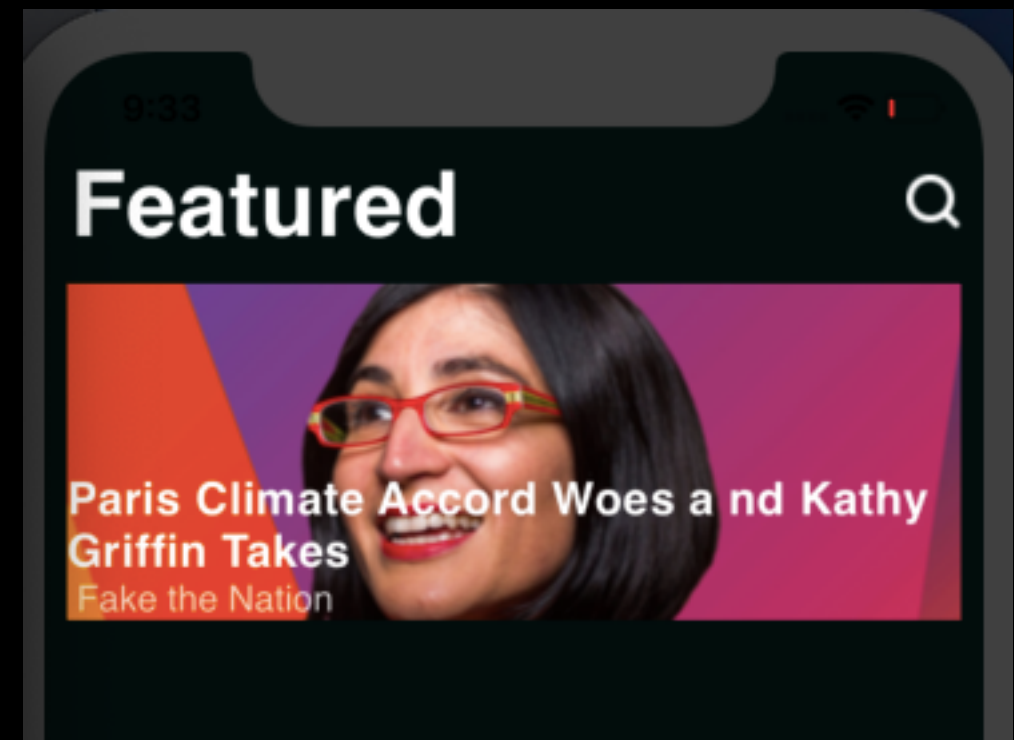
  constructor(props){
    super(props)
    this.state={
      featured: null
    }
  }

  componentDidMount(){
    this.getData()
  }

  async getData(){
    let response = await fetch("https://www.cs.virginia.edu/~dgg6b/Mobile/Featured/featured.json")
    let parsedResponse = await response.json()
    console.log(parsedResponse)
    this.setState({
      featured : parsedResponse
    })
  }

  render(){
    if(this.state.featured === null){
      return(<View/>)
    }
    return(
      <View style={styles.container}>
        <ImageBackground style={styles.featuredImage}
          source={{uri: this.state.featured.image}}>
          <Text style={styles.title}> {this.state.featured.title}
          </Text>
          <Text style={styles.author}> {this.state.featured.author}
          </Text>
        </ImageBackground>
      </View>
    )
  }
}

```



LET'S BUILD THE LIST
VIEW

My Podcasts



Comedy Bang-Bang



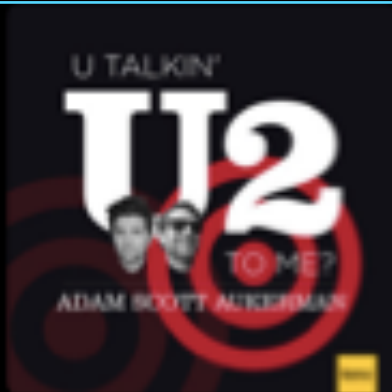
How Did This Get Ma...



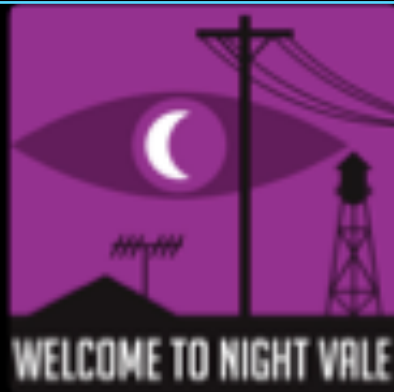
With Special Guest...



The Flop House



U Talkin' U2 2 Me?



Welcome to Night...

Title Section
Text and image

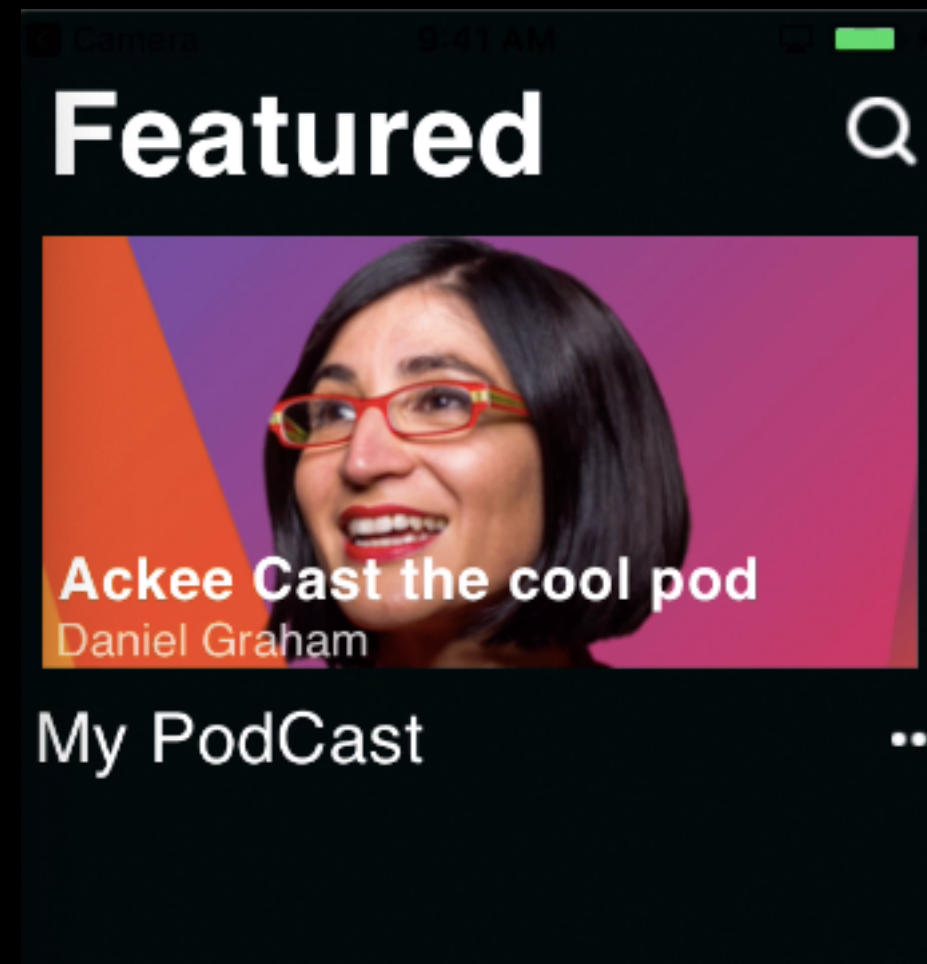
Scroll View/ListView

```

import * as React from 'react'
import {StyleSheet, Text, View, Image} from 'react-native'
export default class PodScrollView extends React.Component{
  render(){
    return(
      <View style={styles.container}>
        <View style={styles.titleSection}>
          <Text style={styles.title}> My PodCast</Text>
          <Image style={styles.dotdot} source={require('../assets/dotdot.png')}></Image>
        </View>
      </View>
    )
  }
}

const styles = StyleSheet.create(
  {
    container:{
      paddingTop: 10
    },
    titleSection:{
      height: 29,
      flexDirection: 'row',
      justifyContent: 'space-between',
      alignItems: 'center'
    },
    title: {
      fontFamily: "Helvetica",
      fontSize: 24,
      color: "#FFFFFF",
      letterSpacing: 0.35,
      textAlign: "left",
    },
  },
)

```



Look at scroll view snack

<https://snack.expo.io/@professorxii/scrollview>

```
import * as React from 'react'
import {StyleSheet, Text, View, Image, FlatList} from 'react-native'
export default class PodScrollView extends React.Component{
  constructor(){
    super()
    this.state ={
      podCastList: null
    }
  }

  async getPodCastData(){
    let response = await fetch("https://www.cs.virginia.edu/~dgg6b/Mobile/PodCast/podCastList.json")
    let extractedJson = await response.json()
    this.setState({
      podCastList: extractedJson.podCastList
    })
  }

  componentWillMount(){
    this.getPodCastData()
  }

  keyExtractor(item){
    return item.id.toString()
  }
}
```

```

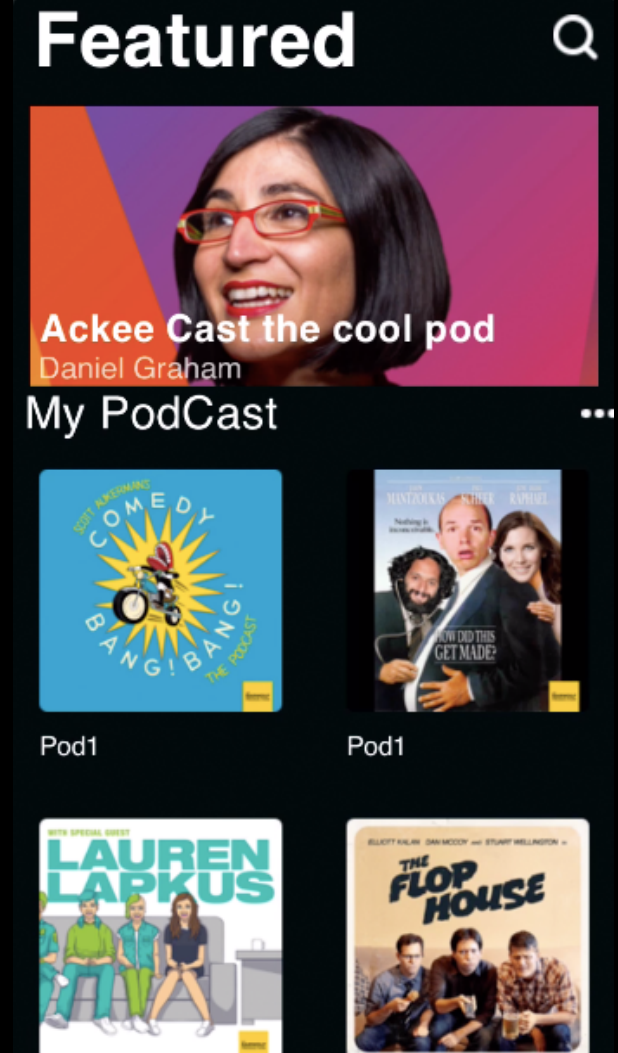
renderRow({item}){
  console.log(item.row[0].image)
  return(
    <View style={styles.rowContainer}>
      <View style={styles.podCastContainer}>
        <Image style={styles.podImages} source={{uri: item.row[0].image}}/>
        <Text style={styles.podCastTile}>{item.row[0].title}</Text>
      </View>
      <View style={styles.podCastContainer}>
        <Image style={styles.podImages} source={{uri: item.row[1].image}}/>
        <Text style={styles.podCastTile}>{item.row[0].title}</Text>
      </View>
    </View>
  )
}

```

```

render(){
  if(this.state.podCastList !== null){
    return(
      <View style={styles.container}>
        <View style={styles.titleSection}>
          <Text style={styles.title}> My PodCast</Text>
          <Image style={styles.dotdot} source={require('../assets/dotdot.png')}></Image>
        </View>
        <FlatList
          style={styles.ScrollablePodCasts}
          data={this.state.podCastList}
          renderItem={this.renderRow}
          keyExtractor={this.keyExtractor}
        />
      </View>
    )
  }else{
    return(<View style={{flex:1}}/>)
  }
}
}

```



SOME FONT FAMILIES ARE NOT AVAILABLE ON DEVICE

```
const styles = StyleSheet.create({
  {
    container:{
      flex:1,
      flexDirection:'column',
      justifyContent: 'space-between',
      padding:20
    },
    titleSection:{
      height: 29,
      flexDirection:'row',
      justifyContent: 'space-between',
      alignItems:'center'
    },
  },
  title: {
    fontFamily: "Helvetica",
    fontSize: 24,
    color: "#FFFFFF",
    letterSpacing: 0.35,
    textAlign: "left",
  },
  dotdot:{
    paddingLeft: 10
  },
  ScollablePodCasts:{
    flex:0
  },
},
```

```
    rowContainer:{
      flexDirection:'row',
      justifyContent: 'space-between',
      padding: 15
    },
    podCastContainer:{
      flexDirection:'column',
      justifyContent: 'space-evenly',
    },
    podCastTile:{
      fontFamily: "Helvetica",
      fontSize: 14,
      color: "#FFFFFF",
      letterSpacing: -0.15,
      textAlign: "left",
      paddingTop: 10
    },
    podImages:{
      height: 128,
      width: 128,
    }
  }
})
```

NOTE ON SPLASH
SCREEN

```
{
  "expo": {
    "name": "AckeePod",
    "slug": "ackeePod",
    "privacy": "public",
    "sdkVersion": "32.0.0",
    "platforms": [
      "ios",
      "android"
    ],
    "version": "1.0.0",
    "orientation": "portrait",
    "icon": "./assets/icon.png",
    "splash": {
      "image": "./assets/splash.png",
      "resizeMode": "contain",
      "backgroundColor": "#ffffff"
    },
    "updates": {
      "fallbackToCacheTimeout": 0
    },
    "assetBundlePatterns": [
      "**/*"
    ],
    "ios": {
      "supportsTablet": true
    }
  }
}
```

← Expo SDK version

← Splash Screen

[https://docs.expo.io/versions/latest/workflow/
configuration/](https://docs.expo.io/versions/latest/workflow/configuration/)

ARRAY SPREAD

```
var a, b, rest;  
[a, b] = [10, 20];
```

```
console.log(a);  
// expected output: 10
```

```
console.log(b);  
// expected output: 20
```

```
[a, b, ...rest] = [10, 20, 30, 40, 50];
```

```
console.log(rest);  
// expected output: [30,40,50]
```

NOTE ON DESTRUCTURING ASSIGNMENT

MAKES IT POSSIBLE TO UNPACK VALUES FROM ARRAYS, OR
PROPERTIES FROM OBJECTS, INTO DISTINCT VARIABLES

```
var a, b, rest;  
[a, b] = [10, 20];  
console.log(a); // 10  
console.log(b); // 20
```

```
[a, b, ...rest] = [10, 20, 30, 40, 50];  
console.log(a); // 10  
console.log(b); // 20  
console.log(rest); // [30, 40, 50]
```

```
({ a, b } = { a: 10, b: 20 });  
console.log(a); // 10  
console.log(b); // 20
```

```
// Stage 4 proposal  
({a, b, ...rest} = {a: 10, b: 20, c: 30, d: 40});  
console.log(a); // 10  
console.log(b); // 20  
console.log(rest); // {c: 30, d: 40}
```

QUIZ HOW COULD WE
IMPLEMENT SWAP?

SWAP

```
var a = 1;  
var b = 3;
```

```
var [a, b] = [b, a];  
console.log(a); // 3  
console.log(b); // 1
```

Ignore the
first one



```
function f() {  
  return [1, 2, 3]  
}
```

```
var [, ...b] = f()
```

```
console.log(b) // [2, 3]
```

OBJECT DESTRUCTION

```
var o = {p: 42, q: true};  
var {p, q} = o;
```

```
console.log(p); // 42  
console.log(q); // true
```

Pull properties of
P& Q

```
let {a, b, ...rest} = {a: 10, b: 20, c: 30, d: 40}  
a; // 10  
b; // 20  
rest; // { c: 30, d: 40 }
```

```
var x = function({ foo }) {  
  console.log(foo)  
}
```

```
var y = {  
  bar: "hello",  
  foo: "Good bye"  
}
```

```
x(y)
```

```
Result: "Good bye"
```

RECALL THE RENDER ROW EXAMPLE

```
renderRow({item}){  
  console.log(item.row[0].image)  
  return(  
    <View style={styles.rowContainer}>  
      <View style={styles.podcastContainer}>
```

TAKES THE FIRST PROPERTY ASSOCIATED OBJECT
AND ASSIGNS IT TO ITEM

LETS EXPLORE IN THE REMOTE DEBUGGER

Command D IOS - emulator

Shake device



AckeePod

10.0.1.12:19000

● expo-cli



Refresh



Copy Link



Go to Expo Home

Reload JS Bundle

Disable Live Reload

Show Perf Monitor

Hot Reloading Unavailable



Toggle Element Inspector

Stop Remote Debugging

Featured



My PodCast



Pod1



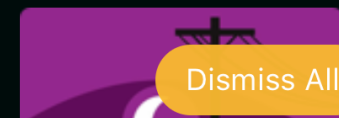
Pod1



Pod3



Pod3



Dismiss All

Remote debugger is in a background tab which may cause apps to perform slowly. Fix this by foreground...

RENDER IS PAUSED

9:09
Camera
Featured



top

10.0.1.12:19001

debugger-ui

(index)

DeltaPatcher.js

deltaUrlToBlobUrl.js

debuggerWorker.js

(no domain)

10.0.1.12:19001

debugger-ui

Users/dgg6b/Documents/Classes/MobileAp

node_modules/expo

```
21 ,
22
23
24 keyExtractor(item){
25   return item.id.toString()
26 }
27
28 renderRow({item}){ item = {id: 0, row: Array(2)}
29   console.log(item.row[0].image)
30   return(
31     <View style={styles.rowContainer}>
32       <View style={styles.podCastContainer}>
33         <Image style={styles.podImages} source={{uri: item.row[0].image}}/>
34         <Text style={styles.podCastTitle}>{item.row[0].title}</Text>
35       </View>
36       <View style={styles.podCastContainer}>
37         <Image style={styles.podImages} source={{uri: item.row[1].image}}/>
38         <Text style={styles.podCastTitle}>{item.row[0].title}</Text>
39       </View>
40     </View>
41   )
42 }
```