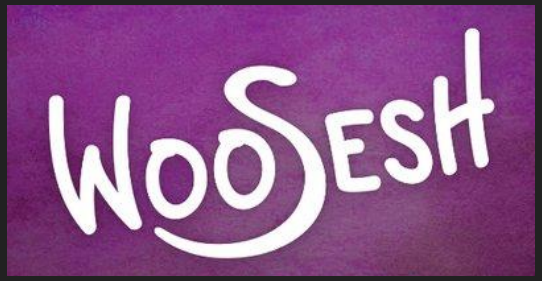
Creating a WooCommerce Mobile App with React Native



Laccadive IO

Muhammad Muhsin

Colombo, Sri Lanka

Co-Founder, Laccadive IO

Author, Smashing Magazine

muhammadmuhsin.com

@muhsinlk

m-muhsin

About today’s app

Built with **React Native**

Powered by **WooCommerce**

Runs on **iOS** and **Android**

Shopping cart functionality

First, what is React?

An open-source JavaScript library built by Facebook

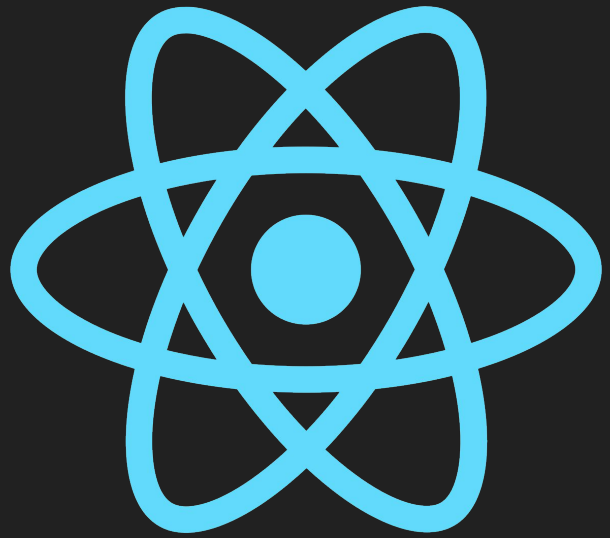
Helps you build **User Interfaces**

Replaces the view layer of your application

Declarative, Composable and Reusable Components

Write **HTML** (JSX) within **JavaScript**

Virtual DOM



“Write programs that do one thing and do it well.”

- Doug McIlroy

What is special about React Native?

Aimed for **web developers** who want to get into mobile apps

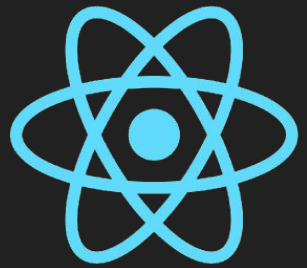
Build truly **native apps** running on iOS and Android

Learn once, write anywhere

Build with your favorite language (**JavaScript**)

Native performance & look-and-feel

Oh, and it has **MIT** License!



React Native

Features

RN Components map to Native Components

Flexbox for styling

Native development, when you need it

Use other JS libraries along with RN

Live Reloading and Hot Reloading

Props and State

Lifecycle Hooks

Cons

Not all components are mapped

Can’t use all CSS properties

New and rapidly evolving

A React Component

A Hello World component with React

```
1  import React from "react";
2
3  class ReactComponent extends React.Component {
4    render() {
5      return <div>Hello World!</div>;
6    }
7  }
8
9  export default ReactComponent;
```

A React Native Component

The same component in React Native

```
1   import React from "react";
2   import { View } from "react-native";
3
4   class ReactNativeComponent extends React.Component {
5     render() {
6       return <View>Hello World!</View>;
7     }
8   }
9
10  export default ReactNativeComponent;
```

react native
Search term

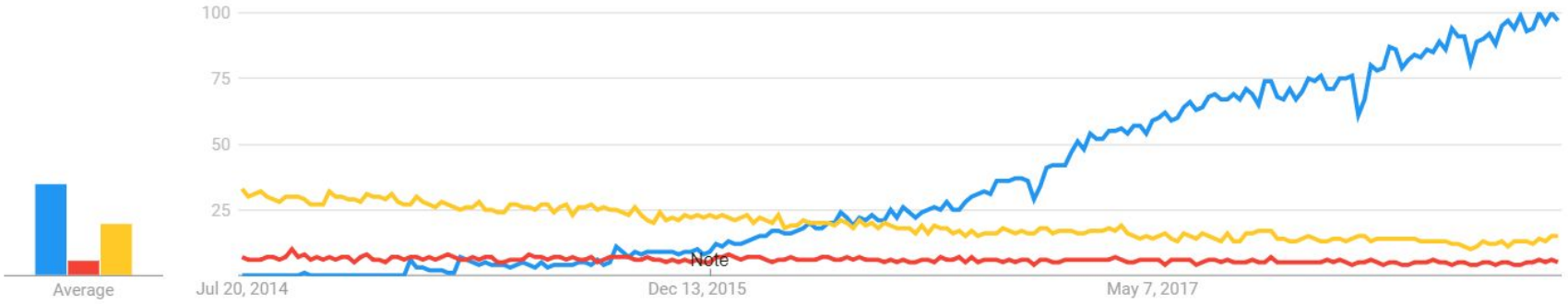
ios development
Search term

android developm...
Search term

+ Add comparison

Worldwide | 7/15/14 - 8/15/18 | All categories | Web Search

Interest over time



Who is using React Native

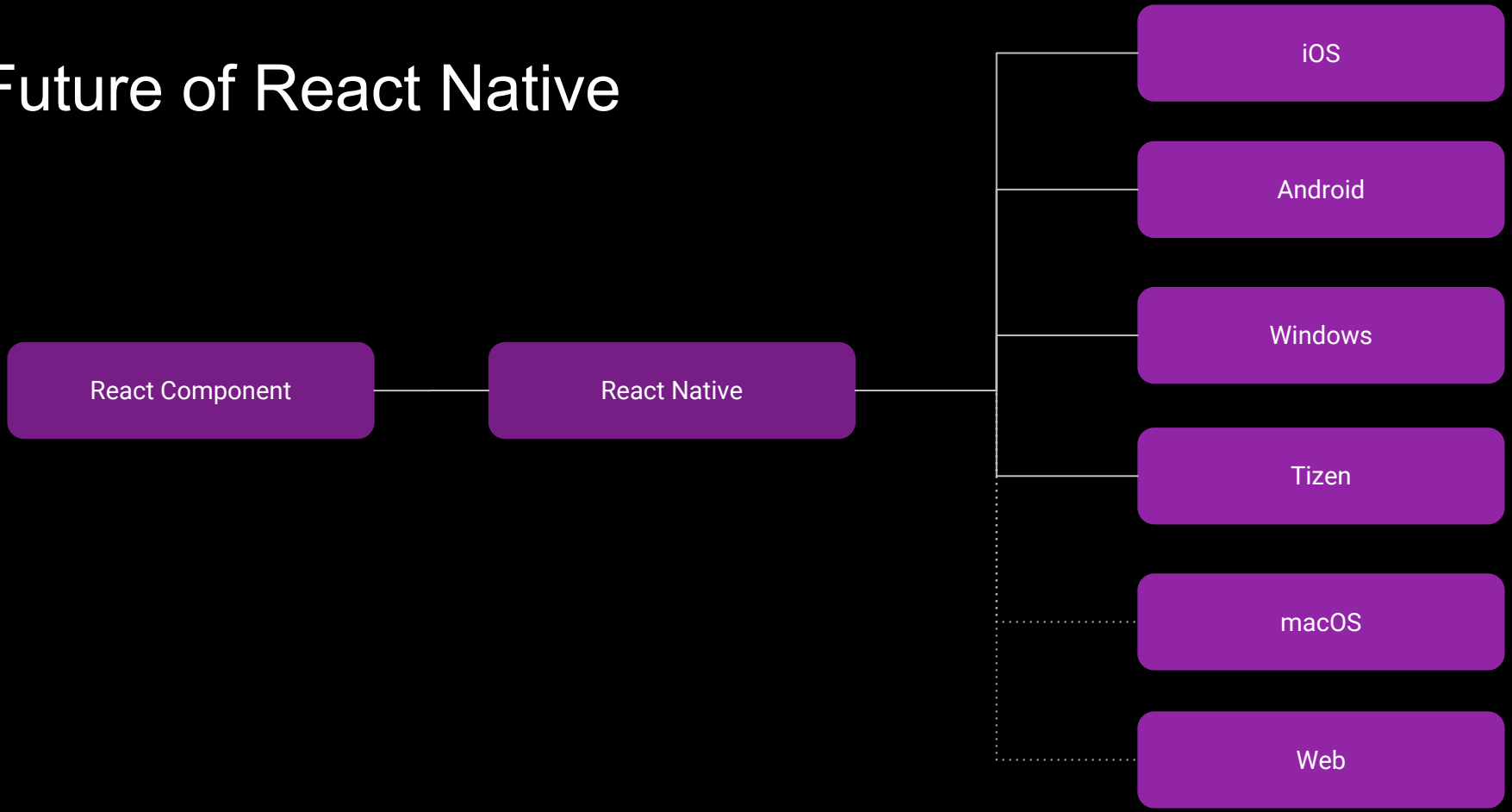
Facebook

Skype

Uber Eats

SoundCloud

Future of React Native



WooCommerce

One of the most popular WordPress plugins

Powers 28% of the online stores in the world

Easily set up your e-commerce store

REST API ready

https://docs.woocommerce.com/document/woocommerce-rest-api/

https://woocommerce.github.io/woocommerce-rest-api-docs/

Let’s Code

Setting things up

Install **WooCommerce** and SSL

Follow the wizard and import sample products

WooCommerce Settings > API > Keys/Apps > Add key

Note down the **Consumer key** and **Consumer secret**

https://woocommerce-store.on-its-way.com/

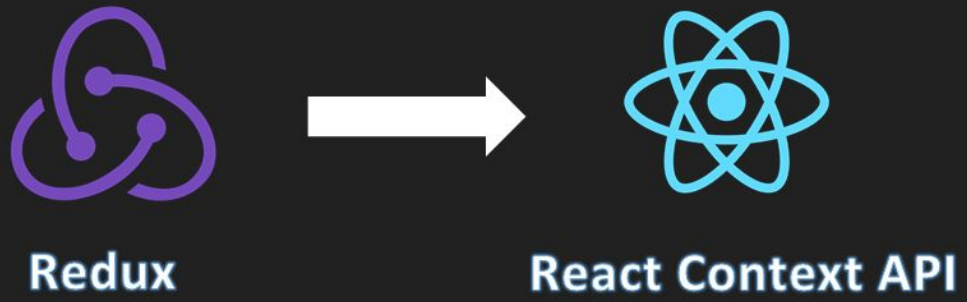
Context API

Pass down data without using props

React.createContext

Provider

Consumer



Starting a React Native project

```
npm install -g expo-cli
```

```
expo init woosesh-store
```

```
Select ‘tabs’
```

```
cd woosesh-store
```

```
expo start
```

Install and run **Expo** on your phone and scan QR code **OR**

Run on **iOS** simulator / **Android** emulator

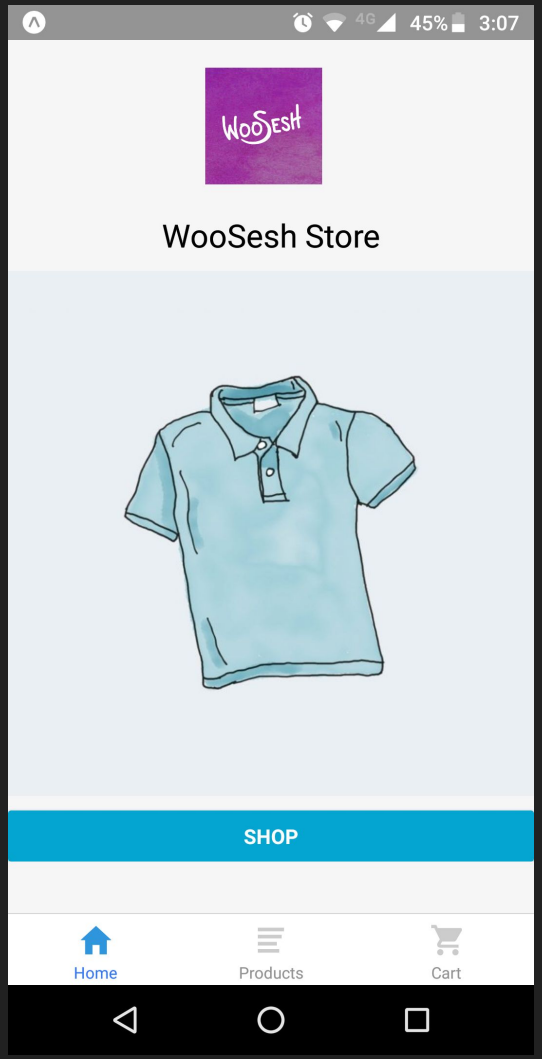
Installing Dependencies

```
npm install -S axios react-native-htmlview
```

Home screen

A simple image slider

Button



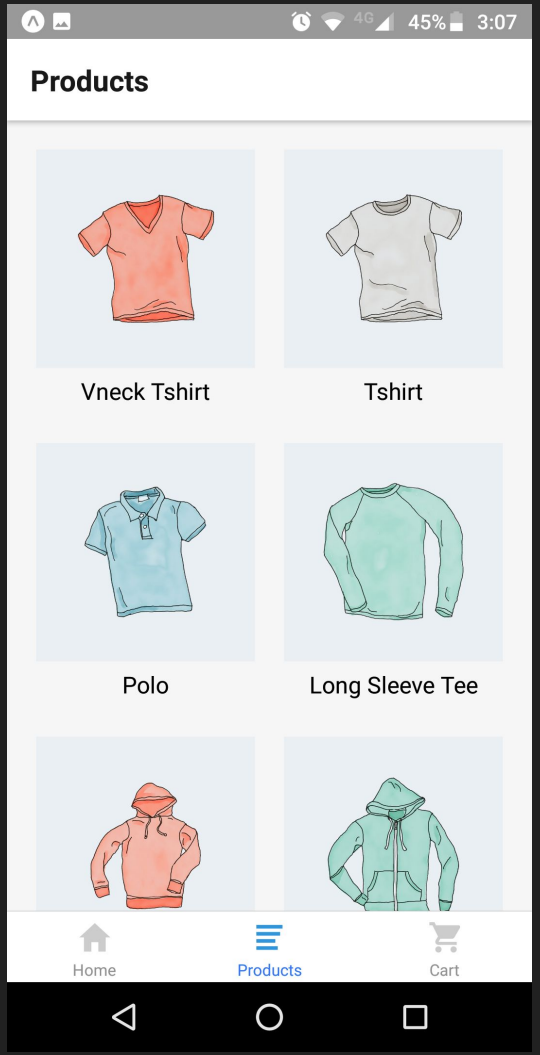
Laccadive IO

Products page

React Native FlatList

CSS Flexbox

https://woocommerce-store.on-its-way.com/wp-json/wc/v2/products?consumer_key=ck_286be1c0fd553c4b803ba2b12c72593eb4676f8d&consumer_secret=cs_d4cc172fabaeef203a78f119518df0453753db65

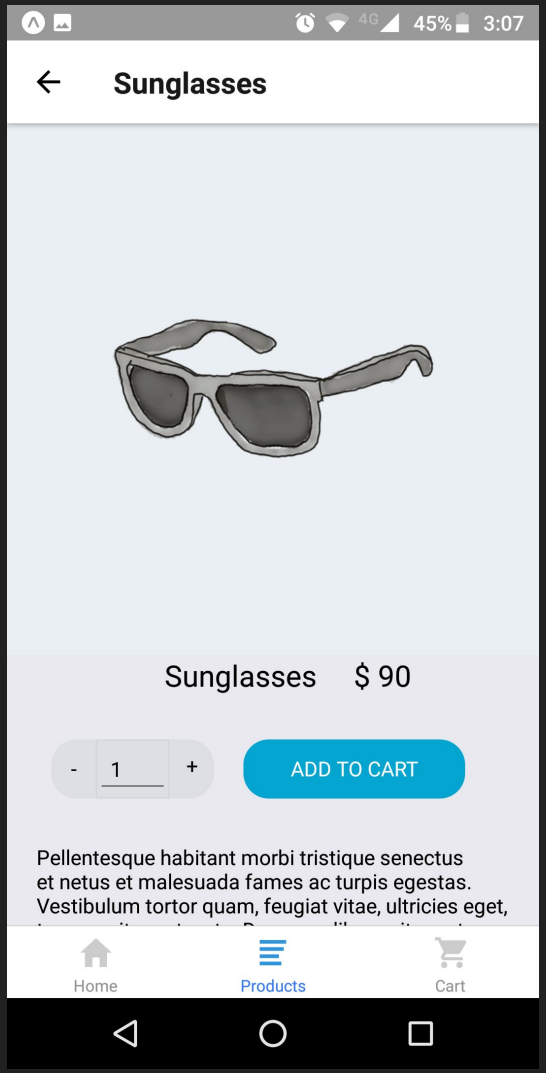


Laccadive IO

Single product

Item and quantity count maintained in state

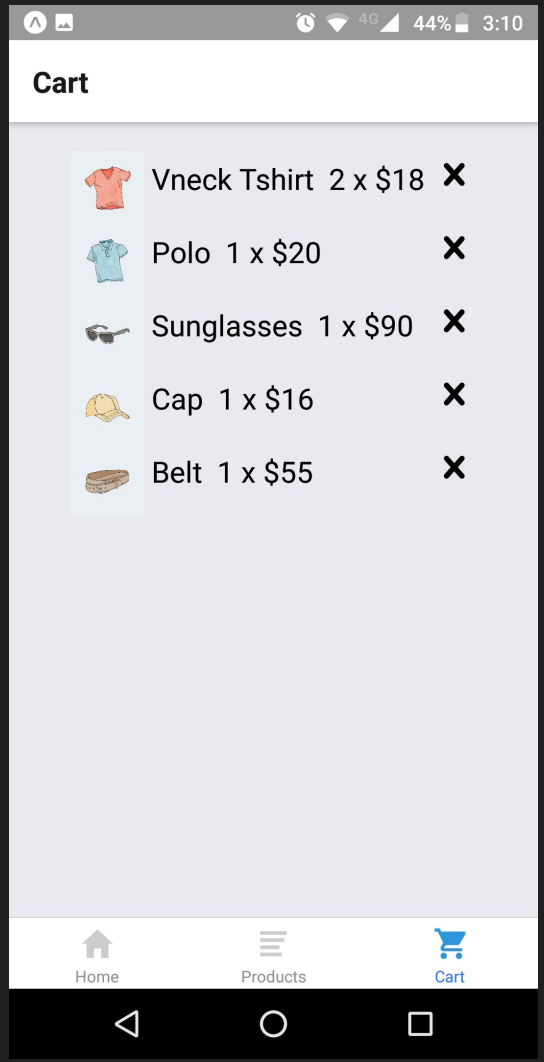
Add to cart button

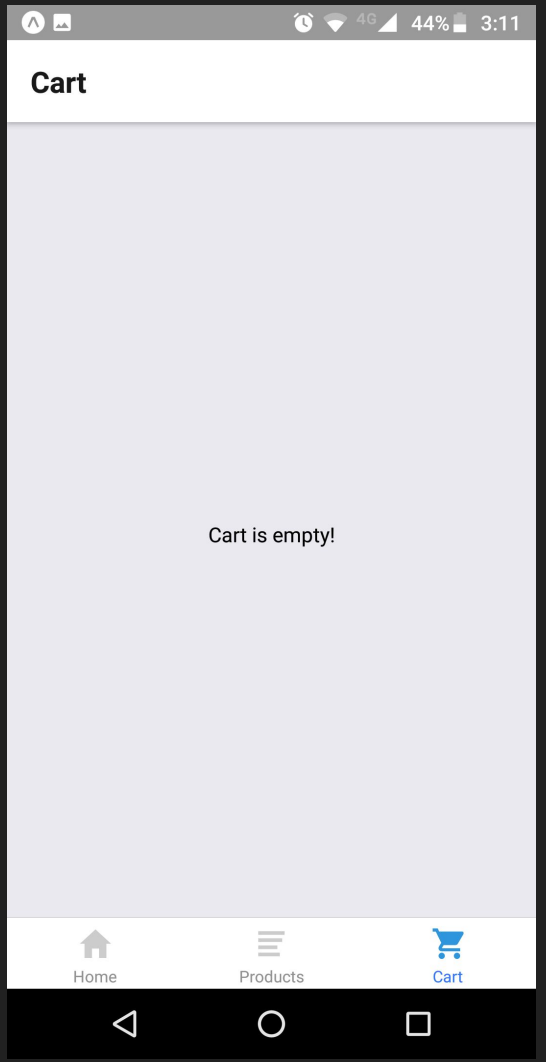


Laccadive IO

Cart page

React Context API





Where to find this project

⭐Star on **GitHub**:

https://github.com/m-muhsin/woosesh-store

Read the **article**: Google for ‘react native wordpress’

https://www.smashingmagazine.com/2018/05/building-mobile-apps-using-react-native-wordpress/

Go ahead and try!

It’s not that hard.

Thank You!

Questions?

@muhsinlk