

# ***Complete React Native: Zero to Mastery***

## ***Course Guide + Code***

*For more courses, resources and workshop, visit <https://zerotomastery.io>*



# Building With React Native: FocusTime App

*So we're finally going to get coding! In the following section you will learn how to make expo snacks and build your very first React Native App. The purpose of this section is to show-case how to utilize expo snacks and to get familiar with some of the React Native Syntax.*

*This section is code-along and assumes prior knowledge, understanding and familiarity with React and Javascript. Make sure you are comfortable with both at a good level.*

*In this section you will follow along as we code the FocusTime application, this section focuses less on granular understanding and more on creating your very first application. In this section I take the approach of build-first.*

*The purpose of taking this approach is to show the student a real-world scenario, think of it like pair-programming. First we will build all of the features, after that we will address any linting issues and errors that may be there.*

*If you find yourself struggling with the concepts or speed you may need a bit more practice and experience. In that case try out our React course or Complete Web-developer course!*

## Introduction to Expo

- Expo <https://expo.io/>
- Register Your Account <https://expo.io/signup>

## Getting Ready To Hit The Ground Running!

- Register Your Account <https://expo.io/signup>
- Make a Snack <https://snack.expo.io>
- What Is A Snack? <https://github.com/expo/snack>
- FocusTime Demo <https://snack.expo.io/@mobinni/focustime-demo>

## How To Avoid The Notch

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/2/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.0-avoid-notch>
- SafeAreaView: <https://reactnative.dev/docs/safeareaview>

## How To Avoid The StatusBar

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/3/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.1-avoid-statusbar>
- StatusBar: <https://reactnative.dev/docs/statusbar>
- Platform: <https://reactnative.dev/docs/platform>

## Styling The Background

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/4/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.2-styling-background>

## Setting Up Our Focus Feature

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/5>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.3-setup-focus-feature>

## Adding Text Input

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/6/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.4-text-input>
- TextInput: <https://callstack.github.io/react-native-paper/text-input.html>

## Storing A Subject

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/7>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.5-storing-subject>
- useState: <https://reactjs.org/docs/hooks-state.html>

### **Adding A Button**

- Rounded Button: <https://github.com/mobinni/FocusTime/pull/8/files>
- Solution Changes: <https://github.com/mobinni/FocusTime/pull/9/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.6-adding-a-button>

### **Making The App Reactive**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/10/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.7>

### **Cleaning Up Spacing**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/11/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/2.8>

### **Adding A Countdown Component**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/12/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/countdown>

### **Adding The Timer Feature**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/13/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.0>

### **Hooking Up Our Countdown**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/14/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.1>

### **Adding The Focus Subject**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/15/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.2>

### **Hooking Up The Progress Bar**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/16/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.3>

### **Vibrating When The Timer Ends**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/17/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.4>

### **Adding Timer Controls**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/18/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.5>

### **Resetting The Timer**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/19/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.6>

### **Keeping The App Awake**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/20/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.7>

### **Focus History Feature Setup**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/21/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.8>

### **Designing Our Focus List**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/22/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/3.9>

### **Populating The Focus History**

- Solution Changes: <https://github.com/mobinni/FocusTime/pull/23/files>
- Solution Code: <https://github.com/mobinni/FocusTime/tree/4.0>

# Mobile Development Professional Local Setup

## MAC Installing GIT

- Git Simplified <https://thenewstack.io/tutorial-git-for-absolutely-everyone/>

## MAC Installing Node And Yarn

- NodeJS <https://nodejs.org/en/>
- Yarn <https://yarnpkg.com/>

## MAC Installing Android Studio

- Android Studio <https://developer.android.com/studio>

## MAC Installing VSCode

- VSCode <https://code.visualstudio.com/download>

## WINDOWS Installing GIT And VSCode

- VSCode <https://code.visualstudio.com/download>
- GIT <https://git-scm.com/>

## WINDOWS Installing Android Studio

- Android Studio <https://developer.android.com/studio>

## WINDOWS Installing Node and Yarn

- NodeJS <https://nodejs.org/en/>
- Yarn <https://yarnpkg.com/>

## What If I'm Still Running Into Issues?

- Expo Repository <https://github.com/expo/expo/issues>

# Master Project: MealsToGo

*In this section we start building our master project! Don't worry the pace slows down, as now we'll be focusing on building out more complex UI and state management!*

*In this section you will find that we utilize React Context as the state management of choice, this is not because Redux is bad, rather we want to have the course focus as much as possible on how to utilize React Native to build the UI's that you'll love!*

*Another thing to note is that along the way you **will find places where Android will break!***

***Don't panic!** This is completely normal. Along the way (usually the following video) we address why it's breaking and what exactly is happening!*

*React Native is a tricky subject to learn and it can be daunting and difficult to master, if you apply yourself to the material and take things slow you will be successful!*

## Time For Yoga!

- Yoga <https://yogalayout.com/>

## Let's Do Some Yoga!

- Yoga Playground <https://yogalayout.com/playground>

## Exercise App Layout

- SafeAreaView <https://reactnative.dev/docs/safeareaview>
- View <https://reactnative.dev/docs/view>
- Flex <https://reactnative.dev/docs/flexbox#flex>

## Solution App Layout

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/1-app-layout>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/1/files>

## Android StatusBar Issue

- StatusBar <https://reactnative.dev/docs/statusbar>

## Keeping Up With The Code Step By Step

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/1-app-layout>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/1/files>

## Using Eslint

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/2-eslint-config>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/2/files>

## Optimizing Eslint

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/2-eslint-config>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/2/files>



## Setting Up Prettier

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/2-eslint-config>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/2/files>

## Exercise SearchBar

- Searchbar <https://callstack.github.io/react-native-paper/searchbar.html>

## Solution SearchBar

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/3-paper-searchbar>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/3/files>

## Restaurant Info Setup Part 1

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/5-feature-setup-restaurant-info>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/4/files>

## Restaurant Info Setup Part 2

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/5-feature-setup-restaurant-info-part-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/5/files>

## Exercise Restaurant Info Card

- Card <https://callstack.github.io/react-native-paper/card.html>
- Food Photo <https://www.foodiesfeed.com/wp-content/uploads/2019/06/top-view-for-box-of-2-burgers-home-made-600x899.jpg>

## Solution Restaurant Info Card

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/6-restaurant-info-card>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/6/files>

## Reflection Time Restaurant Info

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/6-restaurant-info-card>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/6/files>

## The Way We Are Styling Feels Wrong

- Styled Components <https://styled-components.com/docs/basics#react-native>

## Trying Out Styled Components

- Test it out <https://snack.expo.io/tvbTkkv-N>

## Installing And Using Styled Component

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/7-styled-components>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/7/files>

## Solution Migrating To Styled Components

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/8-migrating-styled-components>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/8/files>
- css-to-react-native <https://github.com/styled-components/css-to-react-native>

## Uhoh We Have An IOS Error

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/11-ios-error>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/11/files>

## How Do We Make Things Consistent?

- Theme <https://styled-components.com/docs/advanced>
- Context <https://reactjs.org/docs/context.html>

## Setting Up Our Theme

- Our theme <https://github.com/mobinni/MealsToGo/pull/9/files>  
Theme Code <https://github.com/mobinni/MealsToGo/tree/9-theme>

## Solution Theme Cleanup

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/10-theme-cleanup>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/10/files>

## Loading Custom Fonts

- Expo Google Fonts <https://github.com/expo/google-fonts>
- Lato <https://fonts.google.com/specimen/Lato?query=lato>
- Oswald <https://fonts.google.com/specimen/Oswald>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/12-custom-fonts>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/12/files>

### **Adding The Address**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/13-address>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/13/files>

### **Using SVG With Rating**

- SVG Star  
<https://github.com/mobinni/MealsToGo/blob/194708f4b5078112dfa48dc7e12fea6bc623ad03/assets/star.js>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/14-rating>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/14/files>

### **Exercise Adding Open Now SVG**

- SVG Open  
<https://github.com/mobinni/MealsToGo/blob/17a94a3cfb5fdf7388d46450e49a391318b5c032/assets/open.js>

### **Solution Finishing Our Restaurant Card**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/15-finishing-card>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/15/files>

### **Building a Spacer Component**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/16-spacer-component>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/16/files>

## Optimizing The Spacer Component

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/17-spacer-optimization>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/21/files>

## Wait A Second It Won't Render On Android

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/17-spacer-optimization-android>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/58/files>

## Creating A Typography Component And Cleanup

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/18-typography-text>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/22/files>

## Solution Code Cleanup

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/19-cleanup>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/23/files>

## List it!

- Lists and Keys <https://reactjs.org/docs/lists-and-keys.html>
- FlatList <https://reactnative.dev/docs/flatlist>
- ScrollView <https://reactnative.dev/docs/scrollview>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/20-flatlist>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/24/files>

## No Inline Styles!

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/21-flatlist-style>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/25/files>

## Navigation Installation

- Navigation Docs <https://reactnavigation.org/docs/getting-started>
- Demo App <https://expo.io/@react-navigation/projects/react-navigation-example>
- Demo App Code <https://github.com/react-navigation/react-navigation/tree/main/example>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/26/files>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/22-navigation-installation>

## Exercise Tab Navigation

- Tab Navigation Snack [Expo Snack](#)
- Tab Navigation Docs <https://reactnavigation.org/docs/tab-based-navigation>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/27/files>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/23-tab-navigation>

## Solution Tab Navigation

- Solution Changes <https://github.com/mobinni/MealsToGo/pull/28/files>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/24-tab-navigation-setup>

## Exercise Tab Bar Icons

- Tab Bar Icons Example <https://reactnavigation.org/docs/tab-based-navigation>  
Vector Icon Options <https://icons.expo.fyi/>  
Vector Icon Documentation <https://docs.expo.io/guides/icons/#expovector-icons>

## Solution Tab Bar Icons

- Solution Changes <https://github.com/mobinni/MealsToGo/pull/29/files>  
Solution Repo <https://github.com/mobinni/MealsToGo/tree/25-tab-icons>

## Simplifying Tab Icon Logic

- Solution Changes <https://github.com/mobinni/MealsToGo/pull/30/files>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/26-tab-icon-simplified>

## Feature Overview: Adding Data!

- React Context <https://reactjs.org/docs/context.html>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/31/files>  
Solution Repo <https://github.com/mobinni/MealsToGo/tree/27-restaurant-data>
- Data [See video resources for data file](#)

## **Fake An API Request**

- Solution Changes <https://github.com/mobinni/MealsToGo/pull/32/files>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/28-fake-api-request>

## **Let's Transform The Data!**

- Camelize <https://www.npmjs.com/package/camelize>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/33/files>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/29-transform-response>

## **Let's Transform The Data Part 2**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/29-transform-response-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/34/files>

## **Setting Up RestaurantContext**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/30-restaurant-context-part-1>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/35/files>

## **Hooking Up Our Context**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/30-restaurant-context-part-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/36/files>

## **Exercise Activity Indicator**

- Activity Indicator <https://callstack.github.io/react-native-paper/activity-indicator.html>

## **Solution Activity Indicator**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/31-activity-indicator>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/37/files>

## **Setting Up Our Geocoding Service**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/32-search>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/40/files>

## Setting Up Our Geocoding Context

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/32-search-context>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/41/files>

## Hooking Up The Searchbar

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/33-searchbar>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/42/files>

## Searching For Restaurants

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/34-restaurant-search>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/43/files>

## Oh No A Bug Solution!

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/35-restaurant-bug>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/44/files>

## Key Warnings

- Key Warnings <https://reactjs.org/docs/lists-and-keys.html>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/39-key-warning>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/48/files>

## Oh No An Anti-Pattern

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/41-anti-pattern>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/51/files>

## Building Navigation Infrastructure For Scale

Solution Repo <https://github.com/mobinni/MealsToGo/tree/36-navigation-infrastructure>

Solution Changes <https://github.com/mobinni/MealsToGo/pull/45/files>

## Restructuring Navigation

Solution Repo <https://github.com/mobinni/MealsToGo/tree/37-restructuring-navigation>

Solution Changes <https://github.com/mobinni/MealsToGo/pull/46/files>

## Setting Up Stack Navigation

Solution Repo <https://github.com/mobinni/MealsToGo/tree/38-stack-navigation>

Solution Changes <https://github.com/mobinni/MealsToGo/pull/47/files>

## Setting Up Restaurant Detail Navigation

- Stack Navigator <https://reactnavigation.org/docs/hello-react-navigation>
- Pressable API <https://reactnative.dev/docs/pressable>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/40-restaurant-detail-navigation>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/49/files>

## Modals And Touch Feedback

- TouchableOpacity <https://reactnative.dev/docs/touchableopacity>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/40-restaurant-detail-navigation-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/50/files>

## Exercise Rendering The Card

- Route Parameters <https://reactnavigation.org/docs/params>

## Solution Rendering The Card

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/42-detail-sreen-card>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/56/files>

## Exercise Menu List

- List Accordion <https://callstack.github.io/react-native-paper/list-accordion.html>

## Solution Menu List

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/43-detail-sreen-complete>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/57/files>

## Installing React Native Maps

- Expo MapView <https://docs.expo.io/versions/latest/sdk/map-view/>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/44-react-native-maps>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/59/files>

## Map Screen And Search

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/45-map-screen-and-search>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/60/files>

## Setting The Map Region

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/46-map-region>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/61/files>

## Rendering Map Markers

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/47-map-markers>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/62/files>



### Custom Map Callout Exercise

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/48-map-callout>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/63/files>

### Custom Map Callout Solution

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/49-map-callout-solution>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/64/files>
- Expo WebView <https://docs.expo.io/versions/latest/sdk/webview/>

### Linking A Callout To Details

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/50-map-callout-details>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/65/files>

### Favourites Context

- Async Storage <https://react-native-async-storage.github.io/async-storage/docs/usage/>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/51-favourites-service>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/68/files>

### Hooking Up Favourites Part 1

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/52-favourites-part-1>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/69/files>

### Hooking Up Favourites Part 2

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/52-favourites-part-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/70/files>

### Building A Favourites Bar Part 1

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/53-favourites-bar-part-1>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/71/files>

### Building A Favourites Bar Part 2

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/53-favourites-bar-part-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/72/files>

### Storing Favourites

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/54-storing-favourites>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/73/files>

### Uh Oh An Android Bug

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/54-storing-favourites-android-bug>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/74/files>

### Feature Overview Firebase And Authentication

- Firebase <https://firebase.google.com/>

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### **Firebase Installation**

- Firebase Expo <https://docs.expo.io/guides/using-firebase/>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/55-firebase-installation>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/75/files>

### **Let's Test Authentication**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/56-authentication-test>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/76/files>

### **Authentication Service And Context**

- Solution Repo  
<https://github.com/mobinni/MealsToGo/tree/57-authentication-service-context>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/77/files>

### **Account And Authentication Navigation**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/58-authentication-navigation>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/78/files>

### **Image Background Exercise**

- Solution Repo  
<https://github.com/mobinni/MealsToGo/tree/59-image-background-exercise>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/79/files>
- Background Image Download from resources home\_bg

### **Image Background Solution**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/59-image-background-solution>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/80/files>

### **Lighten Up The Background**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/60-lighten-up-background>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/82/files>

### **Account Screen Buttons**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/61-account-button>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/81/files>

### **Exercise Login Screen**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/62-login-screen-exercise>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/83/files>

### **Solution Login Screen**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/62-login-screen-solution>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/84/files>

### **Tying Up Some Loose Ends**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/63-loose-ends>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/85/files>

### **Feature Overview: Registration**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/64-registration>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/86/files>

### **Activity Indicators**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/65-activity-indicators>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/87/files>

### **Favourites Is Broken Part 1**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/66-favourites-multiuser-part-1>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/89/files>

### **Favourites Is Broken Part 2**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/66-favourites-multiuser-part-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/90/files>

### **Adding A Watermelon Animation**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/67-watermelon-animation>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/91/files>

### **Building The Settings Feature Part 2**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/68-settings-feature>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/92/files>

### **Making The Settings Screen Look Nice**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/69-settings-feature-part-2>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/93/files>

### **Favourites Screen Exercise**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/70-favourites-screen>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/94/files>

### **Favourites Screen Solution**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/70-favourites-screen-solution>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/95/files>

### **Animations And Polish**

- Animations <https://reactnative.dev/docs/animations>
- Solution Repo <https://github.com/mobinni/MealsToGo/tree/71-fade-animation>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/96/files>

### **App Icons**

- Solution Repo <https://github.com/mobinni/MealsToGo/tree/72-icons>
- Solution Changes <https://github.com/mobinni/MealsToGo/pull/97/files>
- Icons are available on the video resources

### **Expo Publish**

- Expo Publish <https://docs.expo.io/workflow/publishing/>

# Bonus: Mobile Camera Module

## Setting Up The Infrastructure

- Expo Camera: <https://docs.expo.io/versions/latest/sdk/camera/>
- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/bonus-camera-1>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/113>

## Exercise Expo Camera

- Expo Camera: <https://docs.expo.io/versions/latest/sdk/camera/>

## Solution Expo Camera

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/bonus-camera-2>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/114>

## Taking A Picture

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/bonus-camera-3>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/115>

## Storing And Retrieving The Picture

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/bonus-camera-4>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/116>

# Bonus: Google Maps Integration

## Important Note On This Section!

- Firebase pricing: <https://firebase.google.com/pricing>
- Google Places Pricing: <https://developers.google.com/places/web-service/usage-and-billing>
- Geocoding Pricing: <https://developers.google.com/maps/documentation/geocoding/usage-and-billing>

## Setting Up Your Payment Information For Firebase

- Billing Accounts: <https://console.cloud.google.com/billing>

## Setting Up Firebase CLI

- Get Started: <https://firebase.google.com/docs/functions/get-started>
- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-1>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/99/files>

## Running Firebase Functions Locally

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-2>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/100/files>

## Moving Location Mock Part 1

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-3>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/101/files>

## Moving Location Mock Part 2

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-4>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/102/files>

## Moving Restaurants Mock

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-5>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/103/files>

## Switching Between Local And Deployed Functions

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-6>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/104/files>

## A Cautionary Tale

- Google Maps Article: <https://joemorrison.substack.com/p/google-maps-moat-is-evaporating>

## Setting Up Google Node SDK

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-7>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/105/files>

## Firestore Environment

- Firestore environment: <https://firebase.google.com/docs/functions/config-env>

## Integrating Geocoding API

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-8>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/106/files>

## Integrating Places API

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-9>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/107/files>

## Integrating Places Photos

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-integration-10>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/108/files>

## Minor Optimizations

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-minor-optim>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/110/files>
- Solution Changes 2: <https://github.com/mobinni/MealsToGo/pull/112>

## Error Management

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/fb-google-error-states>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/111/files>
- Passing navigation solution: <https://github.com/mobinni/MealsToGo/tree/fb-google-error-states-2>
- Passing navigation changes: <https://github.com/mobinni/MealsToGo/pull/119>

# Bonus: Mobile Payments With Stripe

## Signing Up For Stripe

- Stripe: <https://stripe.com>

## React Native Stripe Client

- Stripe Client: <https://github.com/expo/stripe-expo#readme>
- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-1>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/120/files>

## Setting Up Our Checkout

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-2>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/121/files>

## Our Credit Card Input

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-3>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/122/files>

## Getting Our First Stripe Token

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-4>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/123/files>

## Hooking Up Our Credit Card Form

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-5>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/124/files>

## Building The Cart Context

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-6>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/125/files>

## Integrating Our Cart

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-7>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/126/files>

## Oh No! A Cart Bug

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-8>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/127/files>

## An Empty Cart

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-9>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/128/files>

## Adding The Checkout UI

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-10>



- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/129/files>

### **Getting The Payee Name**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-11>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/130/files>

### **Setting Up For Payment**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-12>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/131/files>

### **Building Our Payment Gateway**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-13>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/132/files>
- Payment Intents: [https://stripe.com/docs/api/payment\\_intents](https://stripe.com/docs/api/payment_intents)

### **Payment Request Part 1**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-15>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/133/files>
- Payment Intents: [https://stripe.com/docs/api/payment\\_intents](https://stripe.com/docs/api/payment_intents)

### **Payment Request Part 2**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-16>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/134/files>

### **Payment Request Part 3**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-17>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/135/files>

### **Adding Loading State**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-18>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/136/files>

### **Handling Error States**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-19>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/137/files>
- Testing: <https://stripe.com/docs/testing>

### **Solution Cart Persistence**

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/stripe-integration-20>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/138/files>

# Bonus: Releasing To The App Stores

## Before We Get Started!

- Expo App Distribution: <https://docs.expo.io/distribution/introduction/>

## Building Standalone Apps

- Building Standalone Apps:  
<https://docs.expo.io/distribution/building-standalone-apps/#1-install-expo-cli>

## Running Our APK On The Emulator

- Integration MapView For Production:  
<https://docs.expo.io/versions/latest/sdk/map-view/?redirected>

## Creating A Play Store Account

- Play Store Signup: <https://play.google.com/console/u/0/signup>
- Full Release Procedure: <https://docs.expo.io/distribution/uploading-apps/>

## Building iOS With Expo

- App Store Signup: <https://developer.apple.com/programs/enroll/>

## Testing Your iOS Build

- Running on iOS:  
<https://docs.expo.io/distribution/building-standalone-apps/#if-you-choose-to-build-for-ios>
- Full Release Procedure: <https://docs.expo.io/distribution/uploading-apps/>

# Bonus: App Polish + Customizing MealsToGo

## Adapting The Theme Colors

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/polish-1>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/139/files>

## Improving The Settings Screen

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/polish-2>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/140/files>

## Improving Restaurant Detail Screen

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/polish-3>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/141/files>

## The Favourites Bar

- Solution Repo: <https://github.com/mobinni/MealsToGo/tree/polish-4>
- Solution Changes: <https://github.com/mobinni/MealsToGo/pull/142/files>