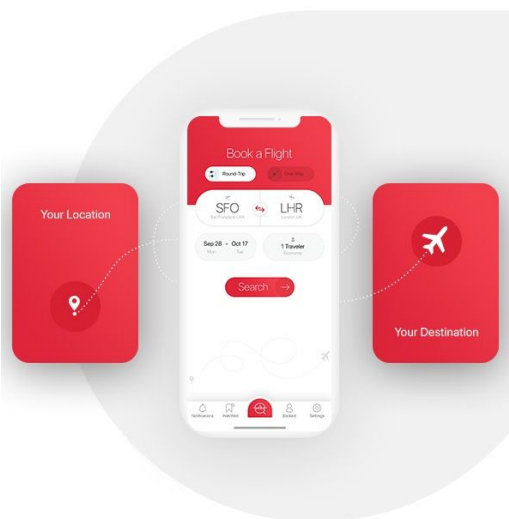# BookAir - Flight Booking App Help File

Author: Pixelative Agency

Thank you for purchasing our product. If you have any questions/comments, please feel free to send us a message.

Product Description

BookAir is centered on making travel simple and has been designed to let you look for flights or complete your flight booking in just a few clicks. The booking experience is seamless and fast with us.

Our search flow is very easy to use and is designed on the principle of best flight discovery from **Skyscanner**.

- Enter from and to city/airport
- Select the date of travel
- Choose the number of travelers and hit search

You'll be directed to a search list of all the flights available with the cheapest ones on the top. You can further filter your search by choosing preferences and filters like time, duration, number of stops, and airlines.

Flight ticket booking or planning your travel is made simpler with our round trip and multi-city options. When you hit enter, your search list page shows the results for both onward and return in a split-screen format letting you choose flights in one go for a round trip. Ticket details screen shows a list of complete itineraries with all multi-city stops that removes the hassle of you calculating time, transfers, and layovers letting you finish your online flight booking.

Key Features

1. Splash with your logo
2. Customizable awesome walkthrough animation flow
3. Home tab bar screen with an amazing latest design support
4. Complete search with a flight flow
5. Search location flow
6. Search currency flow
7. Booking dates selection with a user-friendly calendar view
8. Cabin and traveler selection flow
9. Eye-catching searched flights screen with filters support
10. Filter by airlines, cabins, and duration support
11. Flight detail screen with all necessary information
12. Notification Screen support
13. Booked and watch list screen support
14. Settings screen with all the major options and flows
15. Sign up and logins
16. Support well on both iOS and Android.
17. Easy customization for your brand.
18. Build app support via react-native-cli
19. Regular feature updates and free bug fix

Getting Started

Requisite setup

We recommend reading this guide to set up the development environment. Please follow the following link: https://reactnative.dev/docs/environment-setup

To provide the best performance and enhancement oriented app, we built BookAir via react-native-cli. Don't worry If you aren't familiar with this because you only need to follow some steps to see your app running after setting up the development environment.

Other recommended links for assistance if something is not found/missing:

Node: https://nodejs.org/en/download

Android Studio: https://developer.android.com/studio/install

Android Emulator: https://developer.android.com/studio/run/managing-avds#createavd

Xcode: https://apps.apple.com/us/app/xcode/id497799835?mt=12

Cocoapods: https://guides.cocoapods.org/using/getting-started.html

VSCode: https://code.visualstudio.com/

Note: We recommend using VSCode to explore the project, edit, and perform commands.

Installation

Extract the project source code to your workspace. Go to the root folder of the BookAir source code.

iOS setup (Mac OS only)

Open VSCode and open project directory. Open the VSCode integrated terminal and run the following commands:

```
// Install the project dependencies in the local node_modules folder.
npm install
// Install iOS related dependencies/pods
// Go to the iOS source folder
 cd ios/
// Install pods
```

```
pod install
// Come back to the root folder
cd ..
// Build and run the app
react-native run-ios
```

To run all the above together in one step please run the following script:

```
npm install && cd ios/ && pod install && cd .. && react-native run-ios
```

If you get any simulator related error, please go to the ios directory and open "BookAir.xcworkspace". Once Xcode completes processing, click on the run icon to build the app on the simulator.

Android setup

Open VSCode and open project directory. Open the VSCode integrated terminal and run the following commands.

```
// Install the project dependencies in the local node_modules folder.
npm install
// Build and run the app
react-native run-android
```

To run all the above together in one step please run the following script:

```
npm install && react-native run-android
```

If you get any emulator related errors. Please run the Android studio application and open the project by selecting the existing project option (bookAir/android). Once the Android studio completes processing, click on the run icon to build the app on the emulator.

Customize Branding

❖ **Changing theme palette colors:** BookAir theme is very unique but you can change it accordingly. To achieve this you just need to change `PRIMARY`, `SECONDARY` and `PRIMARY_DARK` colors in the **root/util/colors.ts** file.

❖ **Change iOS app icon:** We recommend checking the following link for a better understanding
https://developer.apple.com/tutorials/mac-catalyst/updating-the-app-icon

❖ **Change Android app icon:** We recommend checking the following link for a better understanding
https://developer.android.com/codelabs/basic-android-kotlin-training-change-app-icon#0

❖ **Change Android app icon:** We recommend checking the following link for a better understanding
https://developer.android.com/codelabs/basic-android-kotlin-training-change-app-icon#0

❖ **Colors.ts:** BookAir colors are managed and easily modifiable. [NOTE: You may need to change/update some SVG image assets colors to match your theme

```ts
// App Theme
export const PRIMARY = "#E63042";
export const SECONDARY = "#DE253A";
export const PRIMARY_DARK = "#CB2B38";

// Generic
export const WHITE = "#FFFFFF";
export const BLACK = "#000000";
export const CHARCOAL = "#33322C";
export const LIGHT_GRAY_BG = "#F3F3F3";
export const TRANSPARENT = "transparent";

// Actions
export const SUCCESS = "#3adb76";
export const WARNING = "#ffae00";
export const ALERT = "#cc4b37";

// GrayScale
export const GRAY_LIGHT = "#e6e6e6";
export const GRAY_MEDIUM = "#cacaca";
export const GRAY_STRONG = "#B4B4B4";
export const GRAY_DARK = "#8a8a8a";

// Text
export const TEXT_COLOR = CHARCOAL;
```

❖ **Data understanding:** The main objective of BookAir is to be able to search, track, and book flights. To provide real-time and accurate data, we have used Skyscanners APIs.

Skyscanner provides globalized content and localized coverage to over 250 partners around the world. To use Skyscanner's flight suit, you are requested to get an API key from the following link (https://partners.skyscanner.net/contact) and replace it with `SKY_SCANNER_API_KEY` in **root/util/constants.ts**.

Some of the main/required Api's are already implemented in BookAir. You can modify or enhance them accordingly.

Usage Guidance: https://www.partners.skyscanner.net/usage-guidelines-api

Currently used APIs:

1. Places/Location Search: https://skyscanner.github.io/slate/#list-of-places
2. Currency Search: https://skyscanner.github.io/slate/#currenci
3. Live Price Search: https://skyscanner.github.io/slate/#flights-live-prices
4. Quote Search: https://skyscanner.github.io/slate/#browse-quotes
5. Market Search: https://skyscanner.github.io/slate/#markets

Note: All the other APIs like Notifications, Watchlist, and Booked flights listing are dummy and fetching data from our server just to demonstrate the usage so that you can use them accordingly.

```
module Constants {
  export class String {
    readonly CURRENT_LOCATION = "Current location";
    readonly MIXED = "Mixed";
    readonly ECONOMY = "Economy";
    readonly PREMIUM_ECONOMY = "Premium Economy";
    readonly BUSSINESS = "Business";
    readonly NON_STOP = "Non-Stop";
    readonly FIRST = "First";
    readonly GOOGLE = "Google";
    readonly FACEBOOK = "Facebook";
    readonly TWITTER = "Twitter";
  }
  export class Network {
    readonly BASE_URL = "http://partners.api.skyscanner.net/apiservices/";
    readonly SKY_SCANNER_API_KEY = "prtl6749387986743898559646983194";
  }
}
const string = new Constants.String();
const network = new Constants.Network();

export { string, network };
```

Project Tree Understanding

❖ **Root Folder:** bookair

❖ **Images and fonts folder:** bookair/assets

❖ **IOS Application / Xcode project folde**r: bookair/ios

❖ **Android Application / Studio project folder:** bookair/android

❖ **React navigation folder:** bookair/navigation

❖ **Redux, Saga, Persistence folder:** bookair/store

❖ **Global Components, Colors, Constants, and Utility folder:** bookair/util

❖ **Application file:** bookair/App.tsx

❖ **Coding implementation folder:** bookair/src

❖ **Network Endpoints and API implementation folder:** bookair/src/network

❖ **Tabs implementation:** bookair/src/tabs

❖ **Structs and Models folder:** bookair/src/model

```
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  > 📁 __tests__
  > 📁 .vscode
  > 📁 android
  ∨ 📁 assets
    > 🅰️ fonts
    > 🖼️ images
  > 📁 ios
  > 📁 navigation
  > 📁 node_modules
  ∨ 📁 src
    > 📁 filter
    > 📁 model
    > 📁 network
    > 📁 onboarding
    ∨ 📁 tabs
      > 📁 booked
      > 📁 notification
      > 📁 search
      > 📁 settings
      > 📁 ticket_details
      > 📁 watchlist
  ∨ 📁 store
    > 📁 booked
    > 📁 currencies
    > 📁 livePrices
    > 📁 locationSearch
    > 📁 markets
    > 📁 notification
    > 📁 quoteSearch
    > 📁 root
    > 📁 user
    > 📁 utils
    > 📁 watchList
      ⚛️ index.tsx
  ∨ 📁 util
    > 📁 activityIndicator
    > 📁 avatar
    > 📁 chipGroup
    > 📁 dialog
    > 📁 formChip
    > 📁 permission
    > 📁 primaryButton
    > 📁 range_slider_components
    > 📁 seperator
    > 📁 ticket
    > 📁 ticket_detail
      🟦 colors.ts
      🟦 constants.ts
      🟦 fonts.ts
      🟦 helper.ts
      ⚛️ navigationUtils.tsx
      🟦 styles.ts
    🔶 .gitignore
    📄 AndroidKeyStore
    📄 AndroidKeyStoreInfo.txt
    {} app.json
    ⚛️ App.tsx
    𝓑 babel.config.js
    🟦 declaration.d.ts
    🟨 index.js
    🟨 metro.config.js
    🟩 package-lock.json
    🟩 package.json
    🟨 react-native.config.js
    {} tsconfig.json
    🔵 yarn.lock
```

Get In Touch

❖ **Company Profile:** https://pixelative.co/

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