Exercise (Instructions): Building Standalone Apps

Objectives and Outcomes

In this exercise you will learn about how you can use the Expo support to build and deploy your apps to the iTunes and Google Play store using their online services. You will understand that this process requires no set up of XCode or Android Studio, and can be done from a Mac, Windows or Linux machines. At the end of this exercise you will be able to:

- Set up Expo XDE and install the Expo CLI named exp and use them to build and deploy your application
- Configure your React Native application and then use the online services from Expo to build the Android APK for deployment to the Google Play store

Exercise Resources

icon.png

Expo XDE, CLI and Expo Account

- Download and install Expo XDE as per the instructions given here.
- Start Expo XDE and sign up for an account on Expo. You will need an Expo account in order to do the building of the Android APK or iOS IPA files.
- Then, install the Expo CLI, named exp as shown below:

```
1  yarn global add exp@54.0.1
2
3  or
4
5  npm install -g exp@54.
```

```
 2    "expo": {
 3      "sdkVersion": "27.0.0",
 4      "name": "confusion",
 5      "icon": "./icon.png",
 6      "version": "1.0.0",
 7      "slug": "confusion",
 8      "ios": {
 9        "bundleIdentifier": "net.food.confusion.confusion"
10      },
11      "android": {
12        "package": "net.food.confusion.confusion"
13      }
14    }
15  }
```

- To build your Android APK, type the following at the prompt:

```
1  exp build:android
```

- Similarly you can build the iOS IPA using "exp build:ios". More specific configurations for iOS build are given in this link.
- Once the build is completed (after waiting patiently for a long time), then you can download the APK file from the link that will be provided for you by Expo.
- You can then copy the APK file to your Android device and install it. Alternately if you already have Android Developer tools set up and know how to use adb, then you can just run "adb install <your APK File>".

Conclusions

In this exercise you learnt to build and deploy your Android APK for your project.

Mark as completed