

## SETUP MOBILE APPLICATION ENVIRONMENT

Team ID	PNT2022TMID02606
Project Name	CONTAINMENT ZONE ALERTING APPLICATION

## BUILD THE APK FILE FOR THE PROJECT

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### CODE:

```
$ ionic cordova platform add ios
```

```
$ ionic cordova build ios
```

**\*\*RUN THE PROJECT ON THE IOS PLATFORM IN DEBUG MODE\*\***

```
$ ionic cordova platform add ios
```

```
$ ionic cordova build ios --debug
```

**\*\*BUILD THE APK FILE FOR THE PROJECT\*\***

```
$ ionic cordova build ios --prod
```

**\*\*RELEASE THE APK FILE FOR THE PROJECT\*\***

```
$ ionic cordova build ios --prod --release
```

You can use the following command to generate the signed APK.

```
$ ionic cordova build android --prod --release --aot
```

You can also generate the debug APK using the following command.

```
$ ionic cordova build android --prod --debug
```

You will get the output of the above command as follows.

### **STEPS:**

1. Open the project in Android Studio.

2. Click File > Build > Generate Signed

APK.

3. In the next window, select either app or module in the Module drop down.
4. Select the release configuration and click Next.
5. Enter the keystore path, password, and alias. Then, click Next.
4. Select the destination directory and click Finish.

You will need to use Android Studio to build the APK file for the project. Open Android Studio Open the project Click on Build > Build APK The APK file will be saved in the "app/build/outputs/apk/" directory.

\$ ionic cordova build android That is it! You can now load the application onto your phone or run it in an emulator. \$ ionic cordova run android You can also run it in your browser using the web-server Ionic provides \$ ionic serve The ionic serve command will start a local development server for app development. It launches a live-reload server which helps in developing and testing the application. The application will be available on your localhost at the port 8100. <http://localhost:8100/> The ionic serve command also watches for changes. So, whenever you make any changes to the application, it will automatically update the application in the browser. Now we are going to test out the application on our phone.

## **TEST THE APPLICATION ON YOUR PHONE,**

\$ ionic cordova platform add android \$ ionic cordova build android \$ ionic cordova run android It will take a while to build the app. Once the app is built and installed, you should be able to see the following output on your phone Once the app is launched, you should be able to see.

Open almost any IDE you like (Android studio, Eclipse, IntelliJ IDEA, etc.).

Create a new empty project with the same package as the one in the

project (com.example.elderlycare).

You can do that by going to File->New->New Project and choosing "Empty Project".

Copy all the project's files to the new project folder (except for the .iml file).

Open the new project in your IDE.

Connect your Android device to the computer and make sure it is visible by the IDE.

Choose "Run->Run 'app'".

The IDE should now install the application on your device and run it. ``

**Note:**

If you get an error while trying to run the project, try the following: -

Go to "Run->Edit Configurations".

Choose the "app" configuration in the left panel.

In the "General" tab, set "Target Device" to "Show chooser dialog".

Press "OK" and then "Run 'app'".

`` You can also build an APK file for the project:

Go to "Build->Generate Signed APK