

Setup Mobile Application Environment

Build The APK File For The Project

Team ID	PNT2022TMID11463
Project Name	Containment Zone Alerting Application

Build The APK File For The Project:

The screenshot displays the Android Studio IDE with the 'czalertapp' project open. The main editor shows the 'Locationservice.java' file, which contains the following code:

```
1 package com.example.czalertapp;
2
3
4 import android.content.BroadcastReceiver;
5 import android.content.Context;
6 import android.content.Intent;
7 import android.content.SharedPreferences;
8 import android.location.Location;
9 import android.util.Log;
```

The left sidebar shows the Project and Resource Manager tabs. The Project tab displays the project structure, including the 'app' directory and its subdirectories: 'manifests', 'java', and 'resources'. The 'java' directory contains the 'com.example.czalertapp' package, which includes the 'Locationservice' class.

The bottom panel shows the Build Output window, which displays the build process for the 'czalertapp' module. The output indicates that the build was successful and that the APK file was generated successfully for the module. The build tasks listed include:

- Task :app:mergeProjectDexDebug UP-TO-DATE
- Task :app:mergeDebugJniLibFolders UP-TO-DATE
- Task :app:mergeDebugNativeLibs NO-SOURCE
- Task :app:stripDebugDebugSymbols NO-SOURCE
- Task :app:validateSigningDebug UP-TO-DATE
- Task :app:writeDebugAppMetadata UP-TO-DATE
- Task :app:writeDebugSigningConfigVersions UP-TO-DATE
- Task :app:packageDebug UP-TO-DATE
- Task :app:createDebugApkListingFileRedirect UP-TO-DATE
- Task :app:assembleDebug UP-TO-DATE

The build output also shows the following messages:

```
BUILD SUCCESSFUL in 10s
33 actionable tasks: 33 up-to-date
```

The status bar at the bottom of the IDE shows the current time as 33:10, the CRLF line ending, UTF-8 encoding, and 4 sources.