Setup Mobile Application Environment

Create An Android Application

Team ID	PNT2022TMID11463
Project Name	Containment Zone Alerting Application

Create an android application:

czalertapp – RegisterActivity.java [czalertapp.app.main]

File   Edit   View   Navigate   Code   Refactor   Build   Run   Tools   VCS   Window   Help

czalertapp) app) src) main) java) com) example) czalertapp) © RegisterActivity

app ▾   Pixel 6 Pro API 32 ▾

SplashScreen.java   HomePage.java   Locationservice.java   RegisterActivity.java   Emulator: Pixel 6 Pro API 32

```java
1    package com.example.czalertapp;

3    import ...

41   public class RegisterActivity extends AppCompatActivity {

43       private EditText rname;
44       private EditText remail;
45       private EditText rpassword;
46       private ImageButton registerbtn;
47       private String url = "http://192.168.78.146:5000/android_sign_up";
48       SharedPreferences sharedpreferences;

50       @Override
51       protected void onCreate(Bundle savedInstanceState) {
52           super.onCreate(savedInstanceState);
53           setContentView(R.layout.activity_register);
54           rname = findViewById(R.id.reg_username);
55           remail = findViewById(R.id.reg_email);
56           rpassword = findViewById(R.id.password);
57           registerbtn = findViewById(R.id.btn_register);

59           sharedpreferences = getApplicationContext().getSharedPreferences(
60           SharedPreferences.Editor editor = sharedpreferences.edit();
61           editor.clear();
62           editor.commit();
63           if (sharedpreferences.getAll().size() >= 3) {
```

ZAlert Register

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Version Control   Run   TODO   Problems   Profiler   Terminal   Logcat   App Inspection   Build   Event Log   Layout Inspector

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czalertapp – activity_homepage.xml [czalertapp.app.main]

File   Edit   View   Navigate   Code   Refactor   Build   Run   Tools   VCS   Window   Help

czalertapp) app) src) main) res) layout) activity_homepage.xml

app ▾   Pixel 6 Pro API 32 ▾

AndroidManifest.xml   SplashScreen.java   activity_login.xml   activity_register.xml   activity_splash_screen.xml   activity_homepage.xml

Code   Split   Design

Project:
- main
  - java
    - com.example.czalertapp
      - © HomePage
      - © Locationservice
      - © LoginActivity
      - © RegisterActivity
      - © SplashScreen
  - res
    - drawable
    - drawable-v24
    - layout
      - activity_homepage.xml
      - activity_login.xml
      - activity_register.xml
      - activity_splash_screen...
    - menu
    - mipmap-anydpi-v26
    - mipmap-hdpi
    - mipmap-mdpi
    - mipmap-xhdpi
    - mipmap-xxhdpi
    - mipmap-xxxhdpi
    - values
    - values-night
    - xml

activity_homepage.xml

```xml
1    <?xml version="1.0" encoding="utf-8"?>
2    <androidx.constraintlayout.widget.ConstraintLayout xmlns:
3        xmlns:app="http://schemas.android.com/apk/res-auto"
4        xmlns:tools="http://schemas.android.com/tools"
5        android:layout_width="match_parent"
6        android:layout_height="match_parent"
7        android:background="@color/yellow"
8        tools:context=".LoginActivity">

10       <ImageButton
11           android:id="@+id/btn_back"
12           android:layout_width="48dp"
13           android:layout_height="48dp"
14           android:layout_marginStart="20dp"
15           android:layout_marginTop="25dp"
16           android:background="@android:color/transparent"
17           android:src="@drawable/zalert_home"
18           app:layout_constraintStart_toStartOf="parent"
19           app:layout_constraintTop_toTopOf="parent"
20           tools:ignore="SpeakableTextPresentCheck" />

22       <TextView
```

Welcome to czalertapp

Your location

Note:

Build: Build Output   Build Analyzer

✔ Build czalertapp: finished At 11/22/2022 9:26 PM   19 sec, 625 ms

Version Control   Run   TODO   Problems   Profiler   Terminal   Logcat   App Inspection   Build   Event Log   Layout Inspector

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