

CS4360 Team App Setup Instructions

Step 1: Clone the GitHub Repository

1. Open a terminal or Git Bash.
2. Run the following command to clone the repository:
``bash
git clone <https://github.com/willmaddock/CS4360TeamApp.git>
3. Open the cloned project in Android Studio.

Step 2: Install Android Studio

1. If you do not already have Android Studio installed, download and install it from the official website:
[Download Android Studio](<https://developer.android.com/studio>)

Step 3: Set Up Firebase

1. Go to the Firebase Console: <https://console.firebase.google.com/>
2. Create a new Firebase project or use an existing one.
3. Add an Android app to the Firebase project using the package name:
com.example.cs4360app
4. Download the google-services.json file.
5. Move the google-services.json file into your Android project in the following directory:
app/google-services.json

Step 4: Set Up API Keys (Google Maps, Firebase, AI Studio)

1. Go to Google Cloud Console: <https://console.cloud.google.com/>
 - Create or use an existing project.
 - Enable Google Maps SDK for Android and generate an API key.
2. Go to AI Studio: <https://aistudio.google.com/app/apikey>
 - Generate an API key for AI Studio.

3. Copy the generated API keys as they will be used in the next step.

Step 5: Create the secrets.xml File

1. Navigate to the following directory inside your Android project:
app/src/main/res/values/
2. Create a new file named secrets.xml with the following contents:

```
<!-- res/values/secrets.xml -->
<resources>
    <!-- Secure API Keys -->
    <string name="google_maps_key">YOUR_GOOGLE_MAPS_API_KEY</string>
    <string name="default_web_client_id">YOUR_WEB_API_KEY</string>

    <!-- Add any other secure keys here -->
    <string
name="facebook_app_id">https://cs4360app.firebaseio.com/__/auth/handler</string>
    <string name="google_app_key">YOUR_AI_STUDIO_API_KEY</string>
</resources>
```

3. Replace the placeholders (YOUR_GOOGLE_MAPS_API_KEY, YOUR_WEB_API_KEY, YOUR_AI_STUDIO_API_KEY) with the actual API keys you generated.

Step 6: Sync the Project with Gradle

1. After adding the google-services.json file and the secrets.xml file, go to Android Studio.
2. Click on Sync Project with Gradle Files to sync everything.

Step 7: Run the Application

1. Once the Gradle sync is complete, build and run the project.
2. If you encounter any issues, review the error messages in Android Studio and ensure all API keys and configuration files are correct.

Final Notes

Each team member must use their own API keys for Google Maps, Firebase, and AI Studio.
Make sure to replace the placeholders in secrets.xml with your personal API keys.
If any issues arise during the setup, reach out to the team for assistance.