MyLocationsApp – Assignment 3

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GitHub Repo: https://github.com/mmannat/mmannat.github.io
Path: CS453-Summer-2025-MobileProgramming/assignment3

App Overview

This Android app demonstrates use of Google Maps, SQLite, Content Providers, AsyncTask, and CursorLoader to store and retrieve user-added locations on a map.
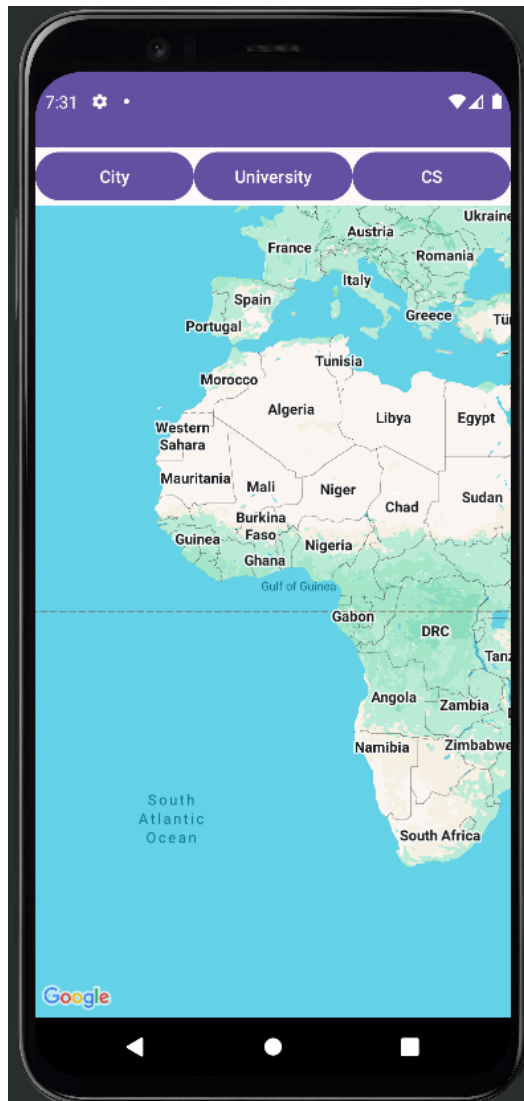
Features Implemented

- Tap the map to add a marker and store the location in a local database
- Long press the map to clear all markers and delete them from the database
- On restart, the map loads saved markers from the database
- Buttons to zoom and switch views:
  - CS – zoom in terrain view to CS location
  - University – normal map, zoom out slightly
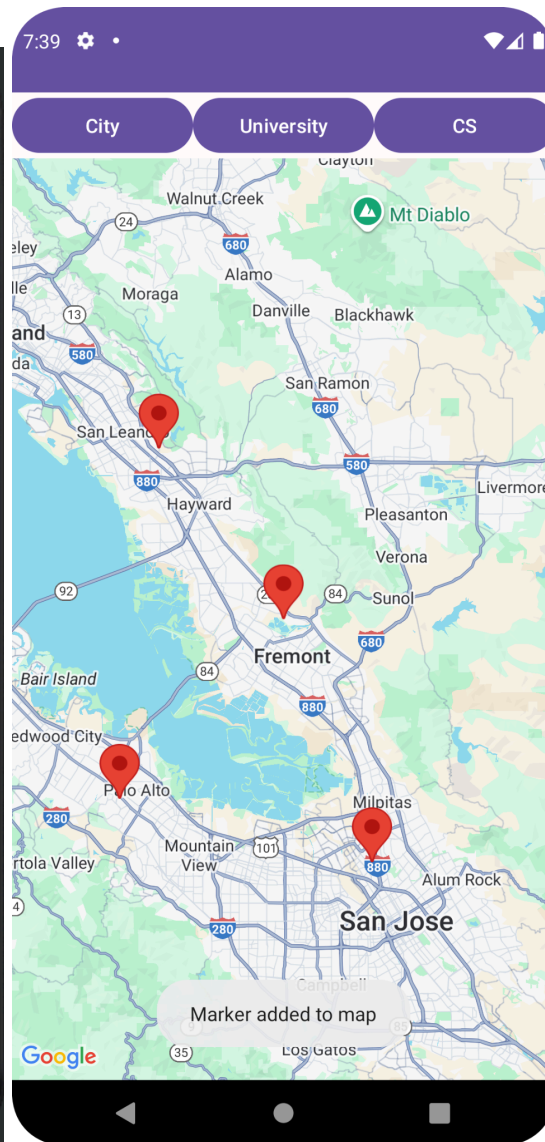 - City – satellite map, wide zoom

Screenshots

screenshots showing:
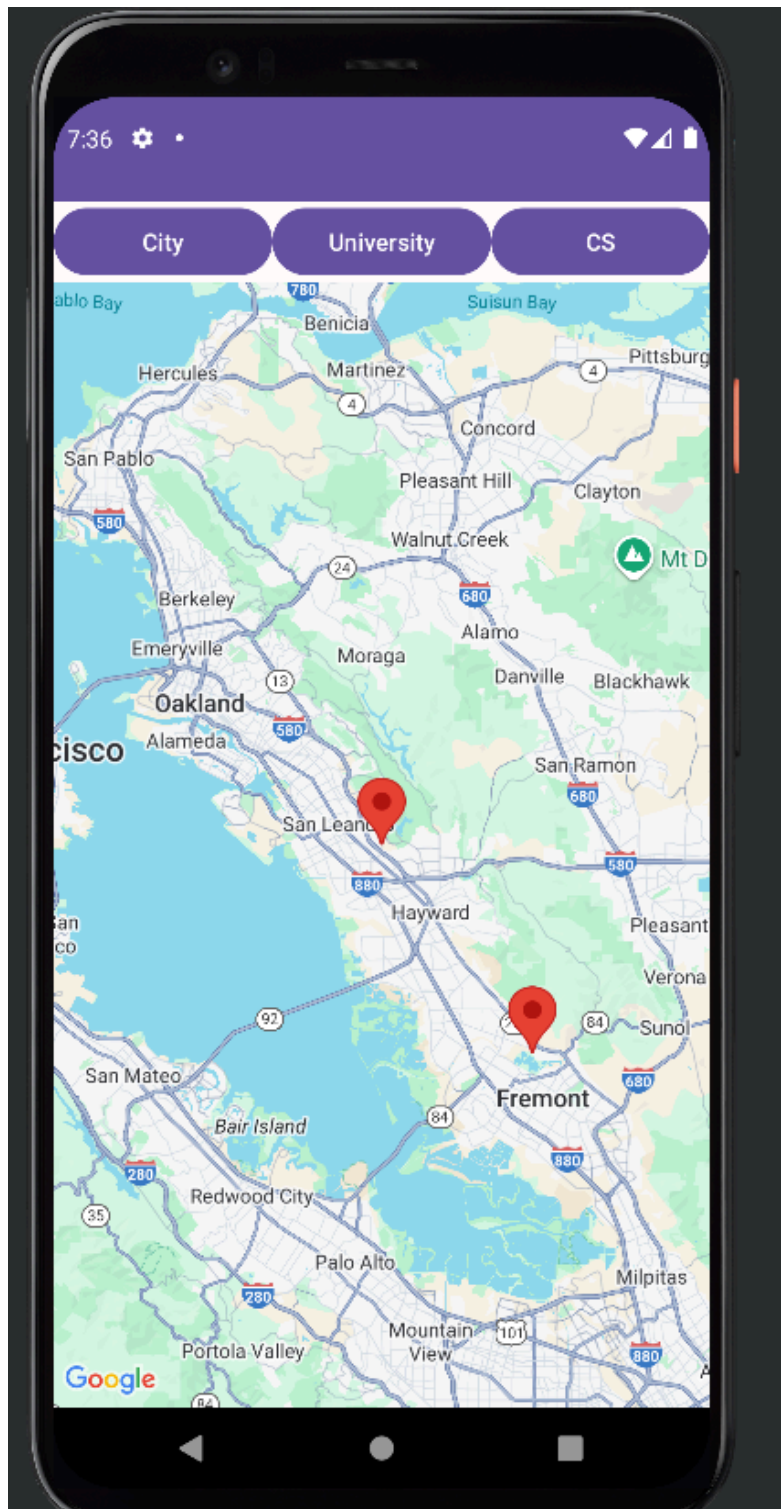
1. Homepage   2. Marker added with toast

3. Markers visible after restart

4. Map empty after long press