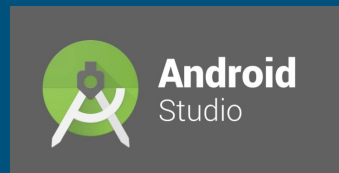




Exacto GPS

Advanced GPS Tools for Mobile Users

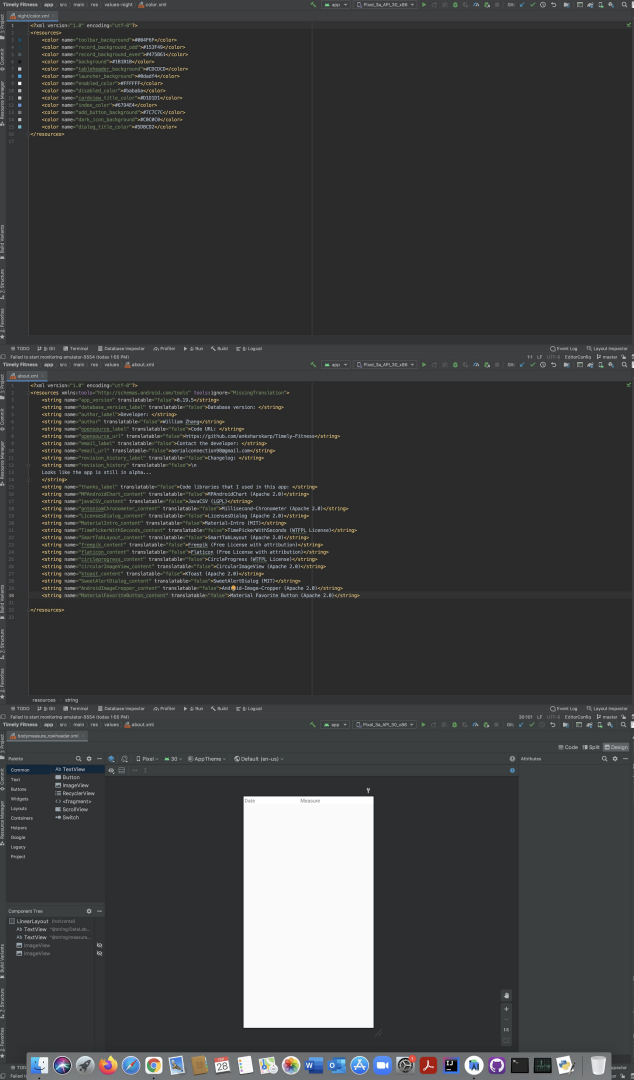
Planning



- ❖ Java
- ❖ Android Operating System and Software Development Kit (SDK)
- ❖ Gradle
- ❖ Markdown
- ❖ eXtensible Markup Language (XML)
- ❖ Android Studio



❖ Building the Project using Android Studio



Designing

- ❖ XML bugs
- ❖ Material Design
- ❖ Android Studio “drag and drop” interface
- ❖ Design patterns and best coding practices.
- ❖ Google Maps API Keys

Backend Application Logic

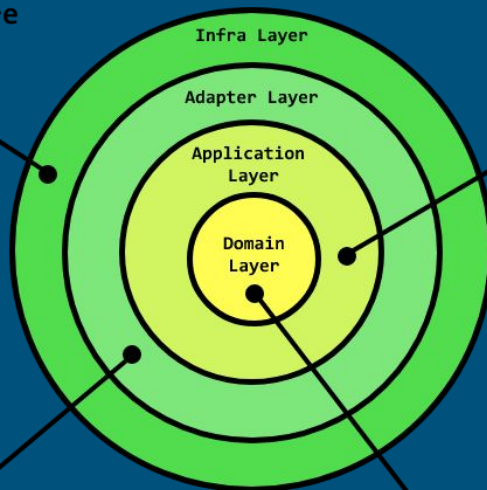
- ❖ Google Maps API
- ❖ Display certain messages under detected events from the user.
- ❖ XML framework (“skeleton” for the app)
- ❖ Permissions (Locations)

Infrastructure Details

Controllers
Routes
Databases
Caches
ORMs

Adapter Logic

Responsible for access to infrastructure and external APIs



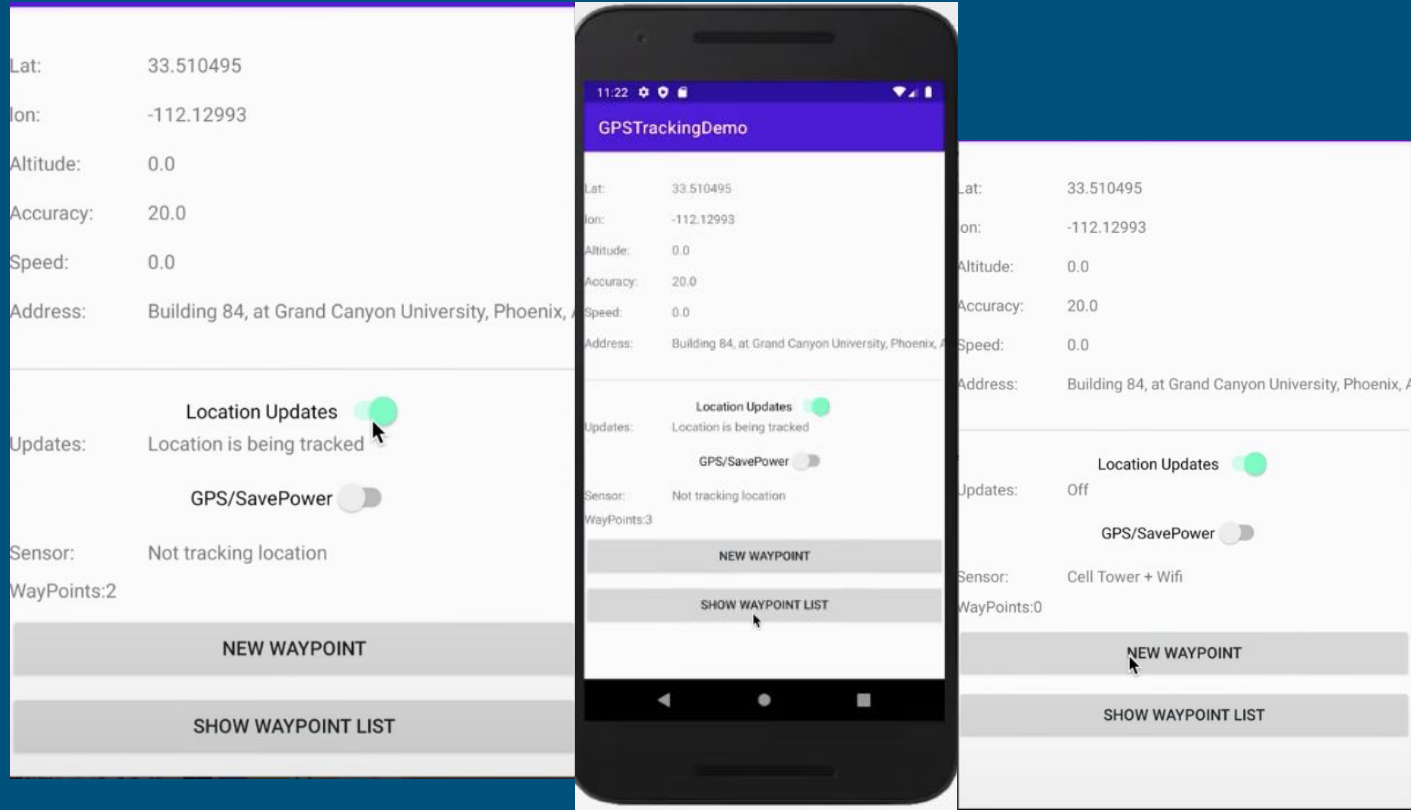
Application Features

Use Cases / Application Services
The features of our application

Core Domain Logic

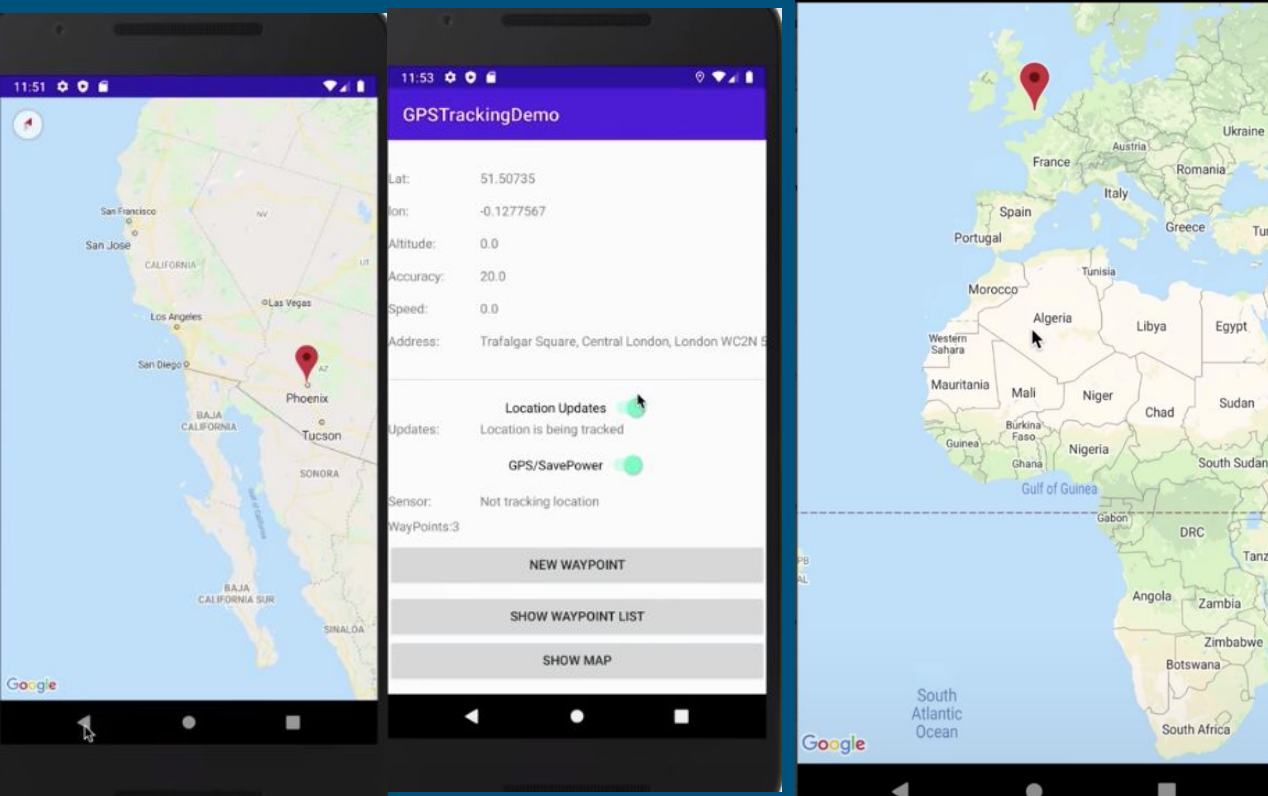
Entities
Value Objects
Domain Events

Final Product(I)



```
Location[fused 33.510495,-112.129930  
hAcc=20 et=+9d21h17m15s461ms alt=0.0  
vel=0.0 vAcc=40 sAcc=??? bAcc=???  
{Bundle[mParcelledData.dataSize=52]}}  
Location[fused 33.510495,-112.129930  
hAcc=20 et=+9d21h17m15s461ms alt=0.0  
vel=0.0 vAcc=40 sAcc=??? bAcc=???  
{Bundle[mParcelledData.dataSize=52]}}  
Location[fused 33.510495,-112.129930  
hAcc=20 et=+9d21h17m15s461ms alt=0.0  
vel=0.0 vAcc=40 sAcc=??? bAcc=???  
{Bundle[mParcelledData.dataSize=52]}}
```

Final Product(II)



Packaging the Final Product

- ❖ Host project website on GitHub pages, and upload source to F-Droid, Sourceforge, and GitHub
- ❖ <https://www.github.com/Argentable/Exacto-GPS>
- ❖ <https://www.f-droid.org/>
- ❖ <https://sourceforge.net/>
- ❖ Reflections?