Technology Stack Overview

* Back end
  + Apache Tomcat Java application sever
  + RESTful Web service
    - Apache Derby database
    - Hibernate ORM
    - All entity classes
    - Spring Boot Data
    - All repository interfaces
  + Service Controllers
    - Spring MVC
    - Controller classes
  + View building and serialization
    - Jackson JSON
    - All View classes
  + Authentication
    - Google OAuth Bearer Token
* Front end
  + Android OS
  + Data model
    - SQLite
    - Custom entity and other model classes
    - Data access object (DAO) interfaces
  + Remote service interfaces
    - SQLite
    - Room ORM
    - Custom entity and other model classes
    - Custom type converters
    - Data access object (DAO) interfaces
  + Viewmodel componets
    - SQLite
    - Room ORM
    - Custom entity and other model classes
    - Custom type converters
    - Data access object (DAO) interfaces
  + View
    - RecyclerView.Apapter and RecyclerView.Holder
    - Many custom layouts
  + Controller
    - Main activity
    - All other fragments
  + Authentication
    - Google Sign in - OAuth
    - Sign in class