

CommunityEngagementApp

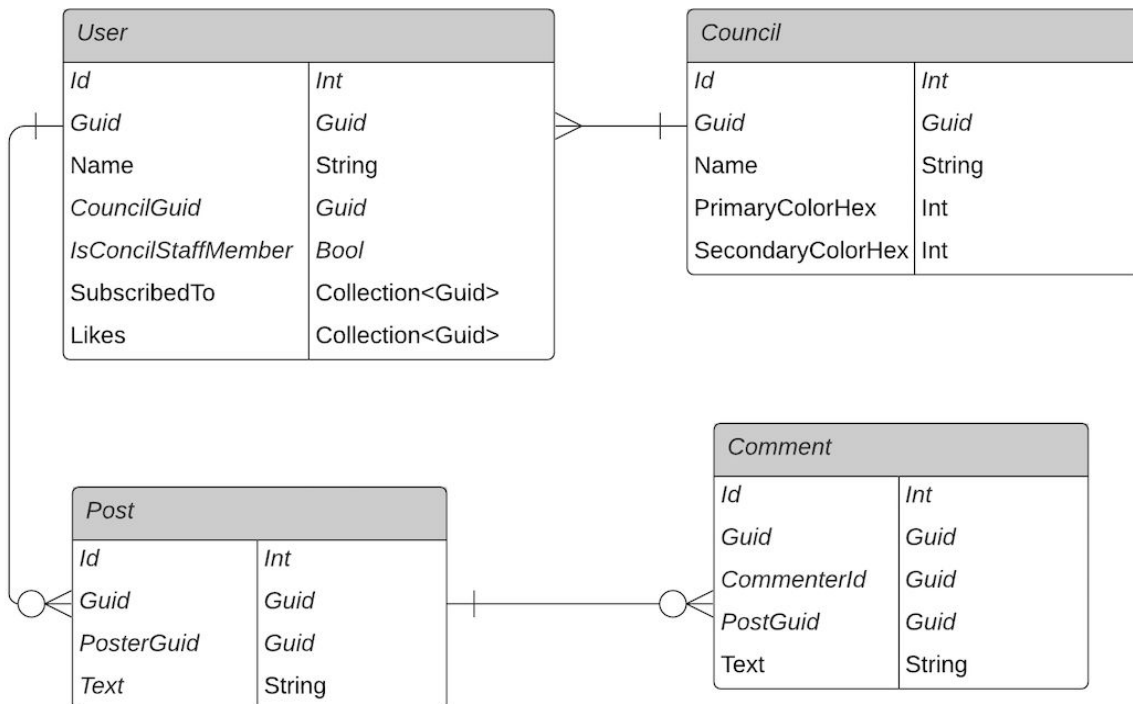
Keys Facts

1. Council staff can post announcements
2. Resident can post announcements
3. Residents can only see the announcements made by other residents under the same council
4. Resident can like a post
5. Resident can subscribe to another resident (under the same council as them) and receive notifications
6. Council can customize logos and colors in the app to represent them

Entities

1. Council
2. User
3. Post
4. Comment

ER Diagram



App Structure

Design Pattern	MVVM
Model	<ol style="list-style-type: none">1. Consumed by view models<ol style="list-style-type: none">a. Userb. Commentc. Post2. Consumed within data access layer<ol style="list-style-type: none">a. UserDTOb. PostDTOc. CommentDTOd. CouncilDTO
Data Access	IDataManager manages data storage and retrieval; it relies on data sources
Data Sources	<ol style="list-style-type: none">1. IRemoteDataSource<ol style="list-style-type: none">a. RemoteServerb. MockRemoteServer2. ILocalDataSource<ol style="list-style-type: none">a. LocalSource
Android Activities	<ol style="list-style-type: none">1. SplashActivity:<ol style="list-style-type: none">a. first screen shown upon app launchb. sets a user (if previously signed in)c. Starts either signin flow or takes user to home screen<p>Please note: sign in workflow not implemented yet. Please use the mock user flow.</p>2. HomeActivity:<ol style="list-style-type: none">a. Shows either posts or comments (depending upon current selection)
Android Fragments	<ol style="list-style-type: none">1. PostsFragment:<ol style="list-style-type: none">a. Shows scrollable list of posts2. CommentsFragment:<ol style="list-style-type: none">a. Shows scrollable list of comments for the selected post

Flow Diagram

