



Introduction

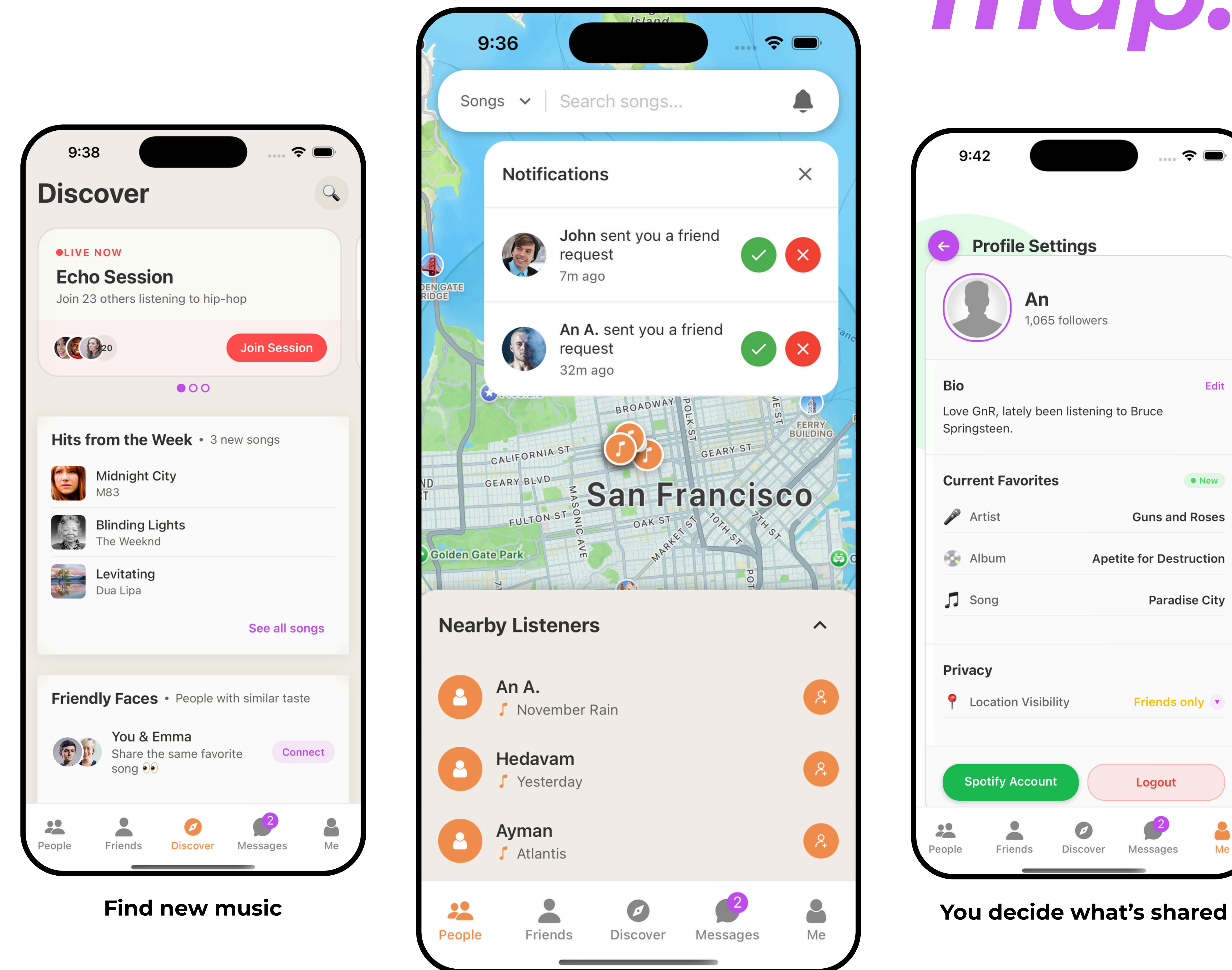
Crescendo leverages the universal language of music as the primary bridge between people sharing physical proximity.

While traditional social media connects people through content consumption and creation, Crescendo connects people through their listening habits.

Ultimately, our application maps what users nearby and friends are currently enjoying, creating a geosocial layer over everyday music listening.

Music is all around you

We've just put in on the *map.*



Find new music

Discover people around you

You decide what's shared

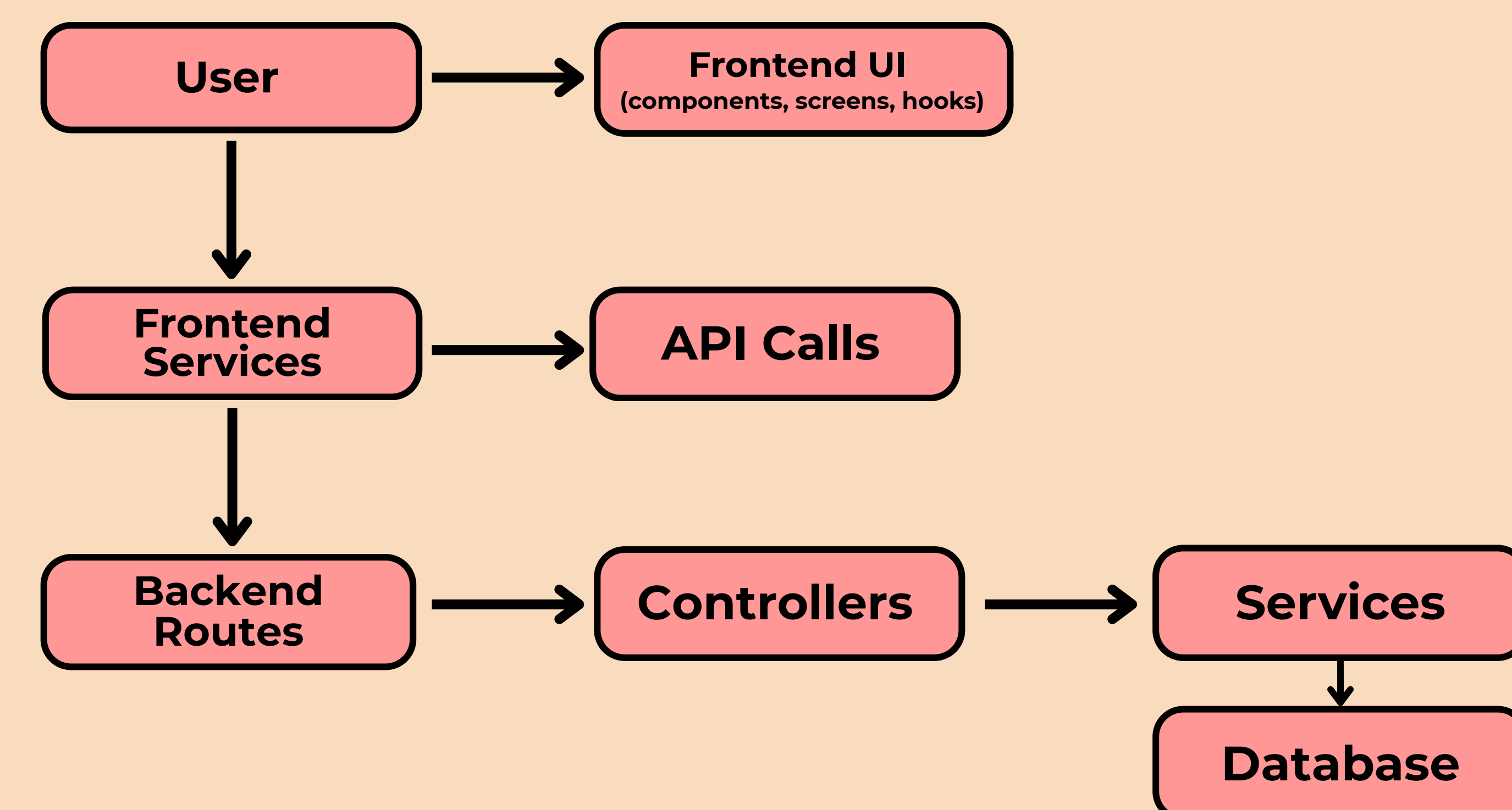
Features in Development

- Dynamically update frontend Map Views by tracking database changes (Real-time database)
- Recommendation system (public view)
 - Cosine similarity of listening histories + proximity + mutuality

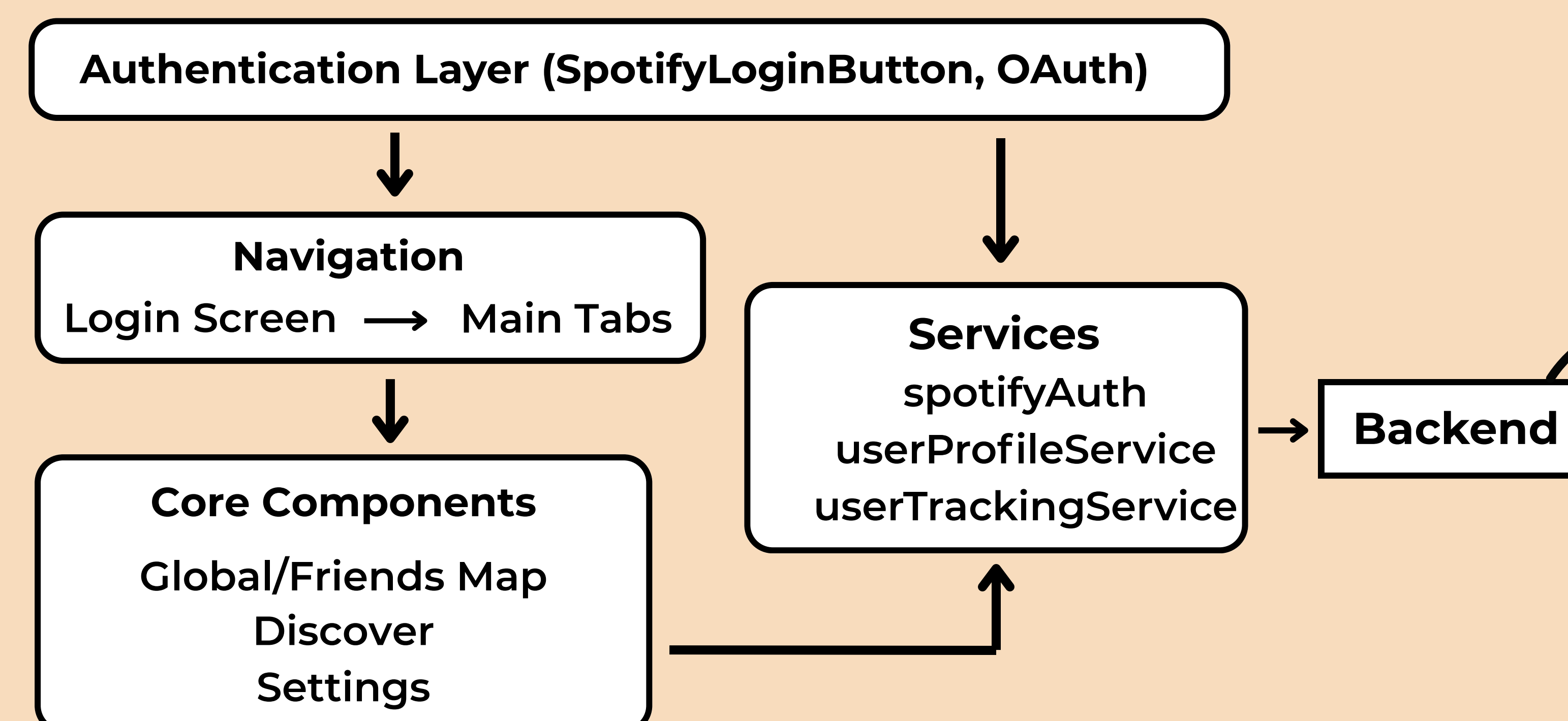
Future Work

- Separate followers and close friends
- Implement chatting functionality
- Develop discover page functionality
- Implement testing and follow TDD
- Add proper security measures

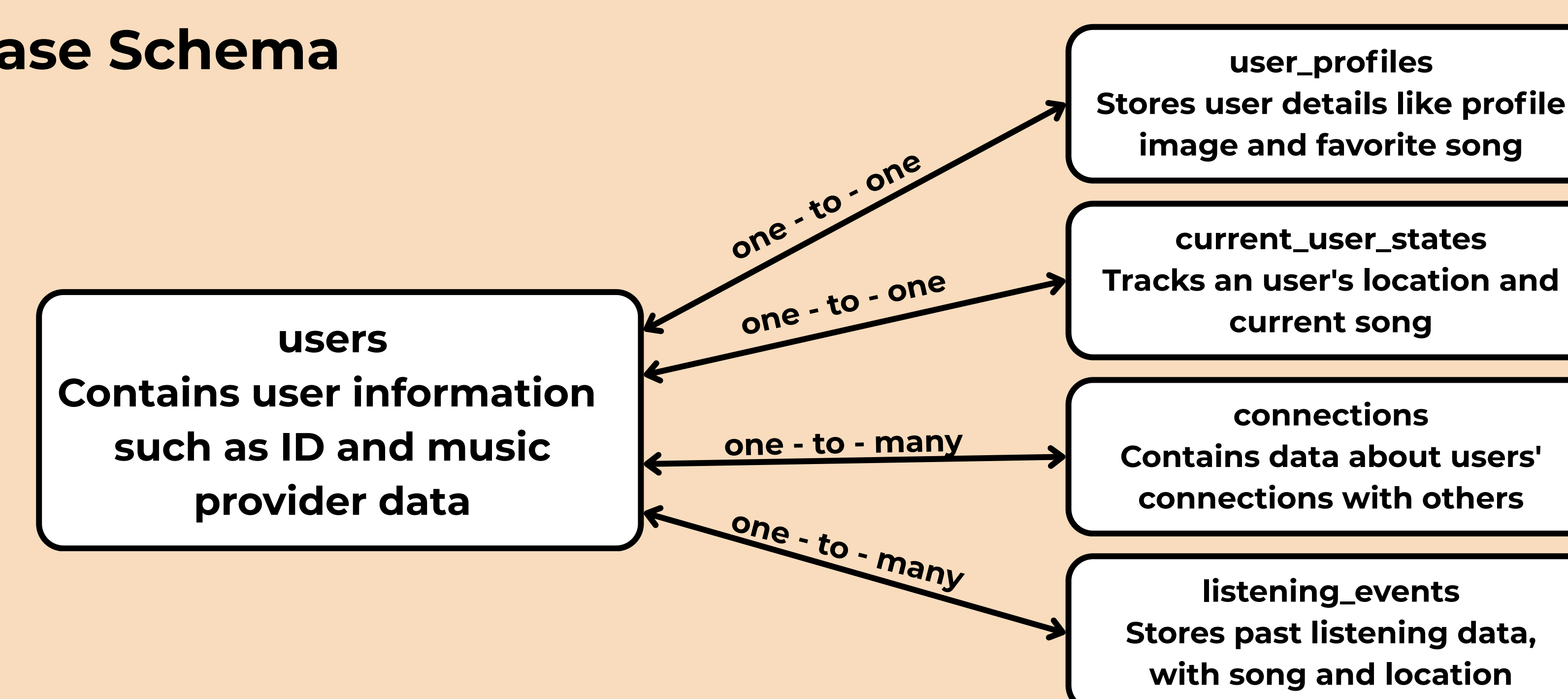
System Design



Frontend Architecture



Database Schema



Ethical Statement



Location always
hidden from public



Clear data notices



Opt-in location visibility
& sharing +
Spotify Authentication

Key Features

- Authenticate through Spotify
 - Skip Login Screen given a previous successful login
- Automatically Update Location and Current Track
- View Nearby Users and their Current Tracks
- View your Friend's Location and their Current Tracks
- Add Public Users as Friends
- Accept/Reject Requests in Notification Panel
- Modify your Profile
- Checkout other users' Profiles
- Discover recommended users