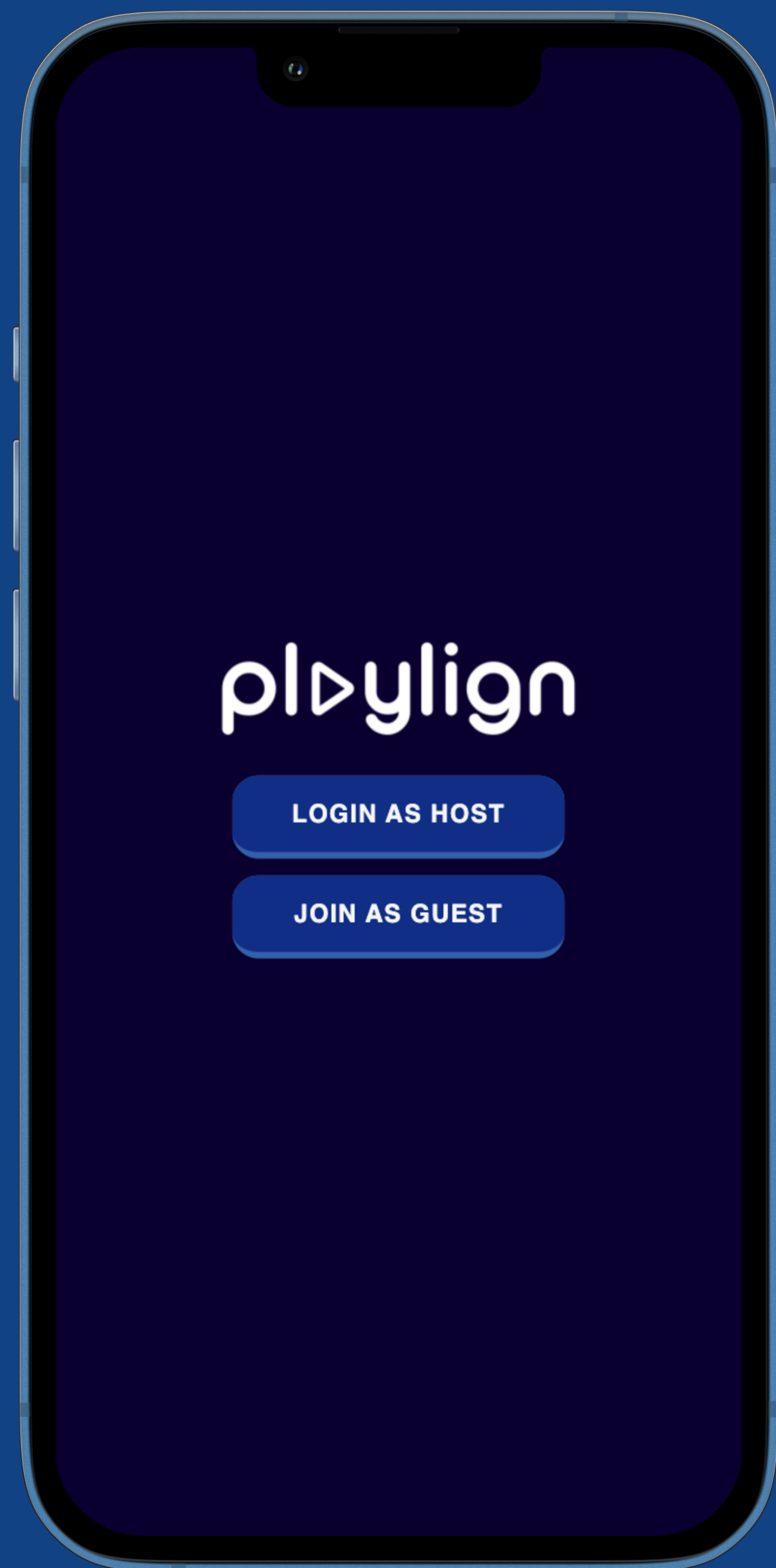# playlign

A solution for party playlists

Problem Statement

Songs at parties don't always reflect what people want to listen to and requesting songs straight from the party host is inconvenient for everyone.
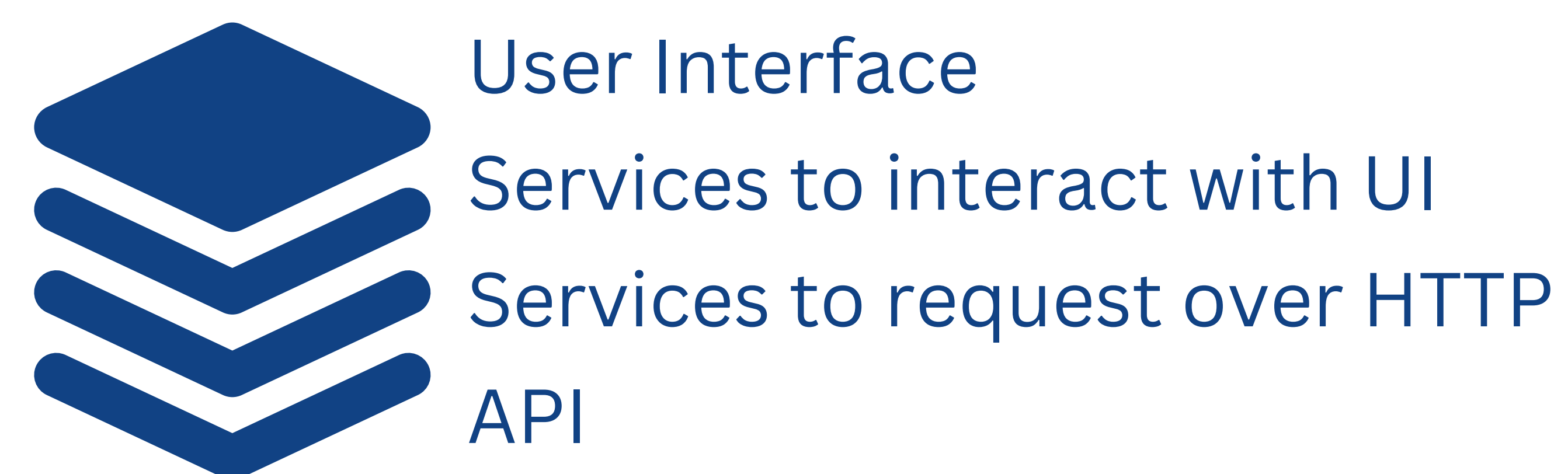
Our Solution

A web app that allows the party host to receive requests from party guests and curate the playlist based on what people want to listen to. This would be used by guests from their own phones.

Our web app was made in Angular to account for the level of interactivity necessary to search, queue, and request songs. It connects with the host's Spotify account to control the queue. Users can simply add songs to the web app's queue without signing in.
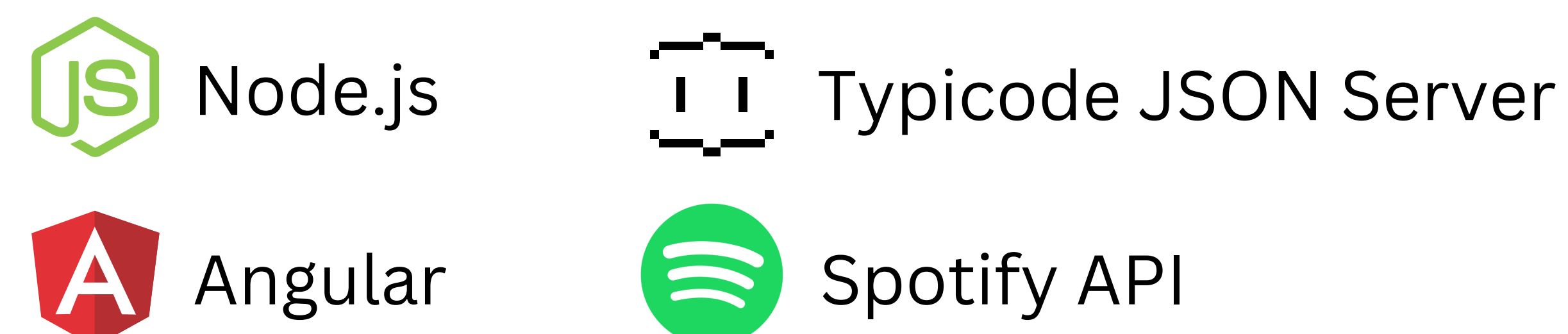
Challenges

- Working with Spotify API
- Handling REST requests
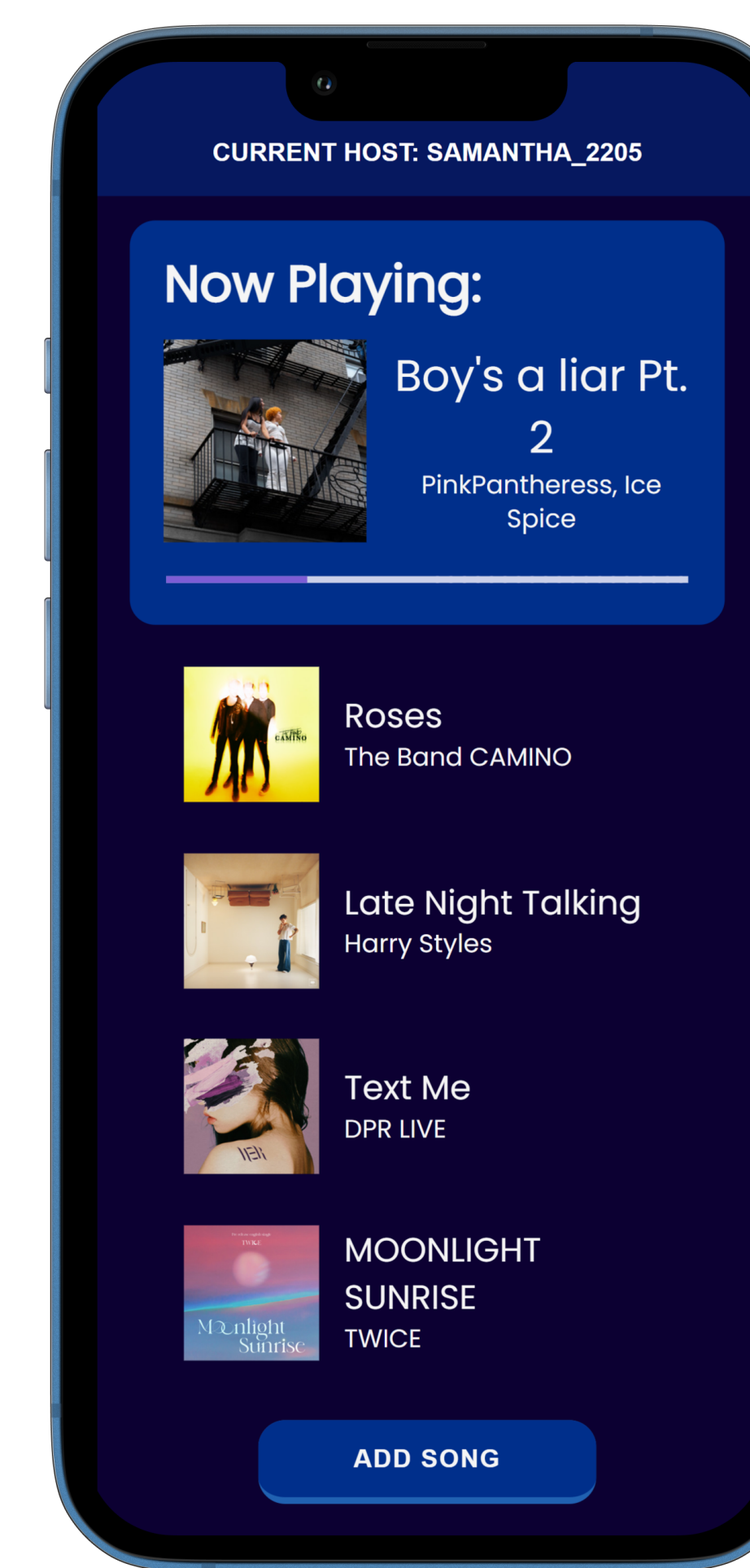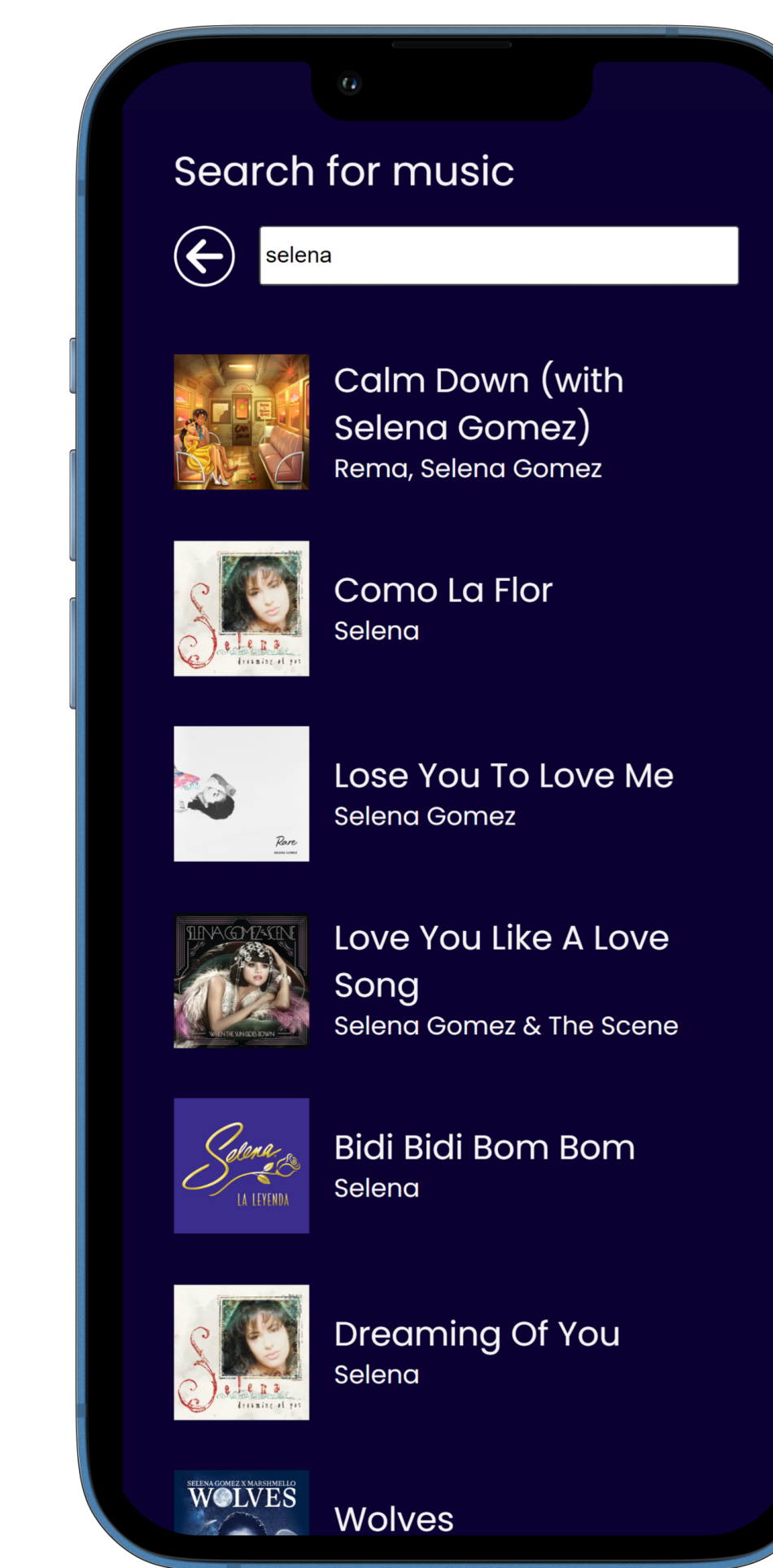- Working around busy senior schedules

App Structure

User Interface
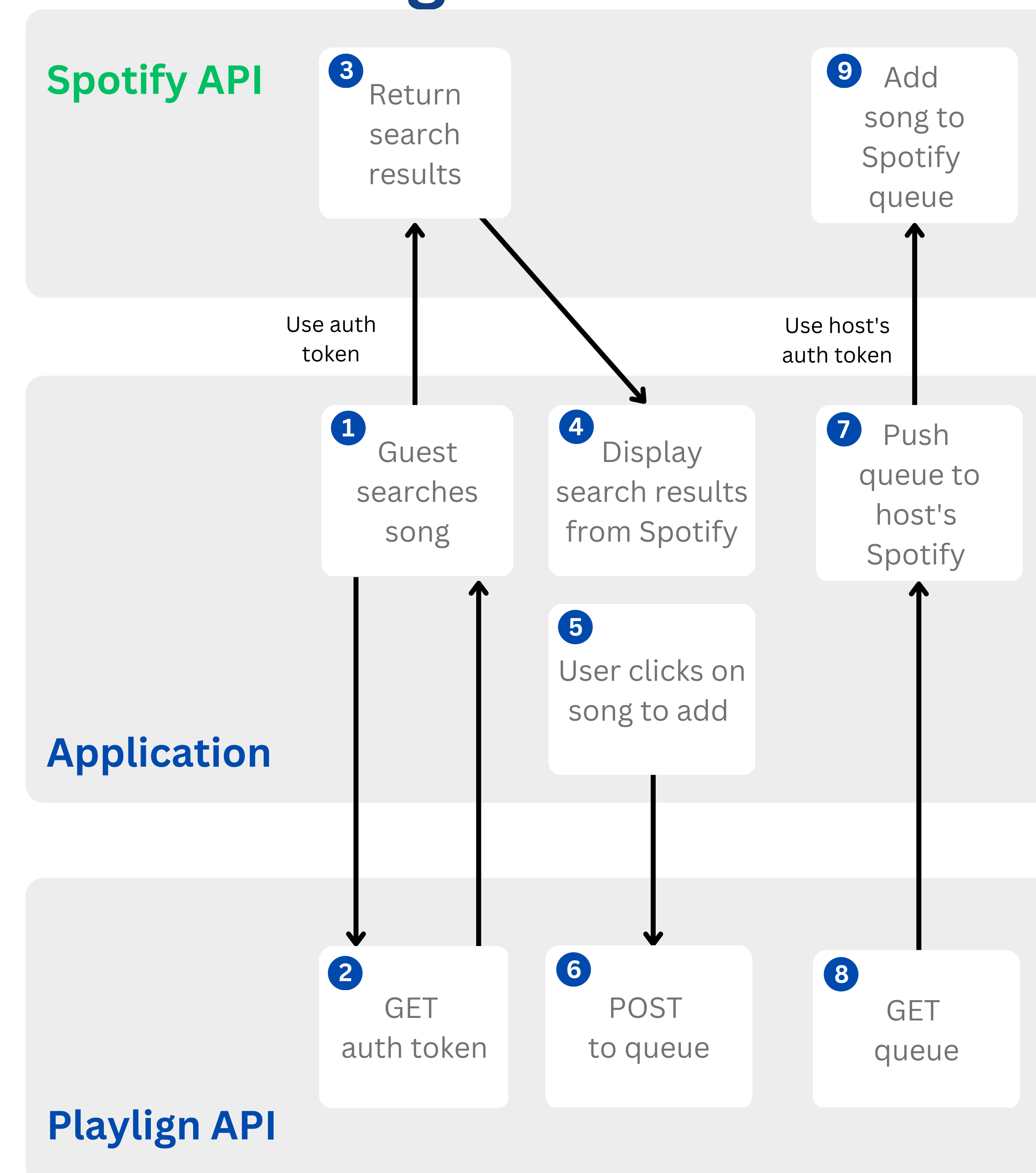Services to interact with UI
Services to request over HTTP
API

Technologies

- Node.js
- Typicode JSON Server
- Angular
- Spotify API

Interfaces

queue   **add song**

Search Song API Flow

Spotify API

③ Return search results

⑨ Add song to Spotify queue

Use auth token   Use host's auth token

Application

① Guest searches song

④ Display search results from Spotify

⑦ Push queue to host's Spotify

⑤ User clicks on song to add

Playlign API

② GET auth token

⑥ POST to queue

⑧ GET queue

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Computer Science
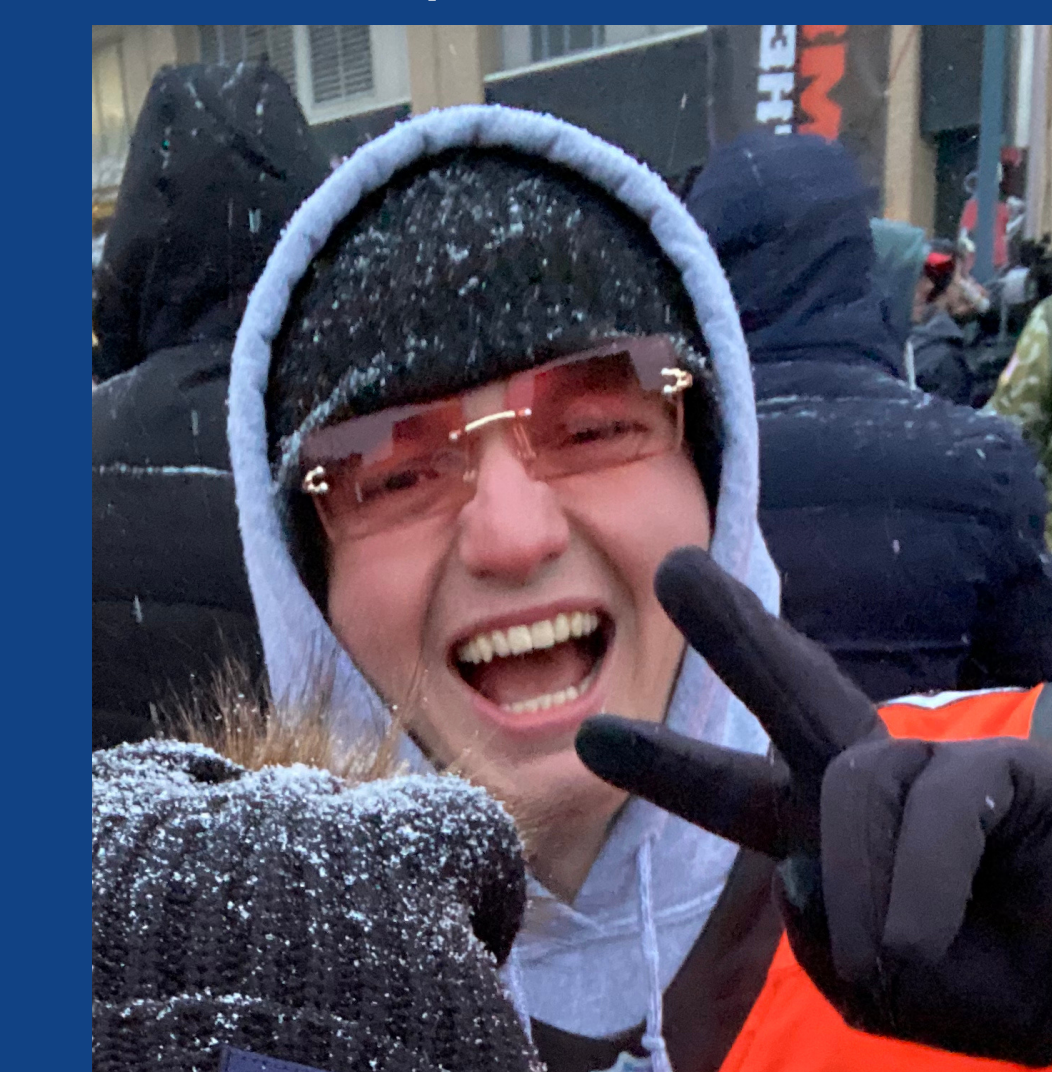
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