

The background is a vibrant purple. In the center, a light pink rounded rectangle with a yellow scalloped border contains the title and names. Surrounding this central area are various musical-themed illustrations: large yellow and purple musical notes, yellow and purple stars, two maracas with geometric patterns on the left, a yellow trumpet at the bottom center, and a stringed instrument resembling a saz or baglam on the right.

# GeoTunes

Harry Hargreaves, Isaac Lee,  
Cooper Kelly, Izik Bakhshiyev,  
Dure Mehmood

# Agenda

- Concept
- Why it Matters
- Competitive Analysis
- Stakeholders
- Personas
- Wireframes
- Technologies
- Cybersecurity Features
- Demo
- Updates Since Midterm
- Future Plans

# Concept



- Crowdsourced cultural information about locations
- Spotify API for community playlists
- User-uploaded information about a place's culture, fun activities, and notable destinations
- API and frontend for displaying information
- Similar to a personal travel concierge

# Why does it matter?

GeoTunes empowers travelers to experience authentic culture through community-shared music and recommendations – bridging the gap between tourists and





# Competitive Analysis



Platform	Focus Area	Limitation
TripAdvisor	Travel reviews & attractions	Lacks music integration
Google Maps	Navigation & tourist spots	Doesn't capture local culture/music



# Stakeholder S

# Cultural Institutions



- Increase cultural program visibility
- Expand audience reach
  - Preserve cultural authenticity
- Generate additional revenue

# Travelers



- Find authentic local experiences and culture
- Connect with local communities
- Create memorable travel moments
- Save time planning cultural



# Development Team



- Create a usable and useful platform
- Website should be desirable to users and keep them coming back
- Protect User's information and privacy



**Personas**



# Daniel Lee

- Discover authentic local music scenes while traveling
- Connect with local residents for genuine cultural experiences
- Build a personal map of global music influences

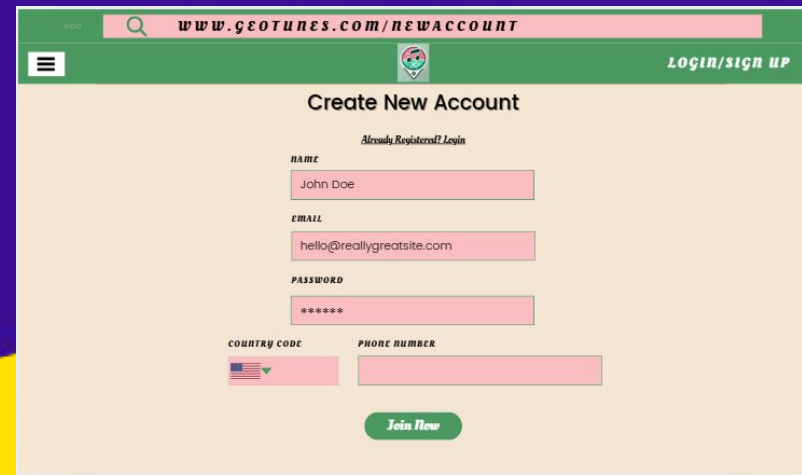


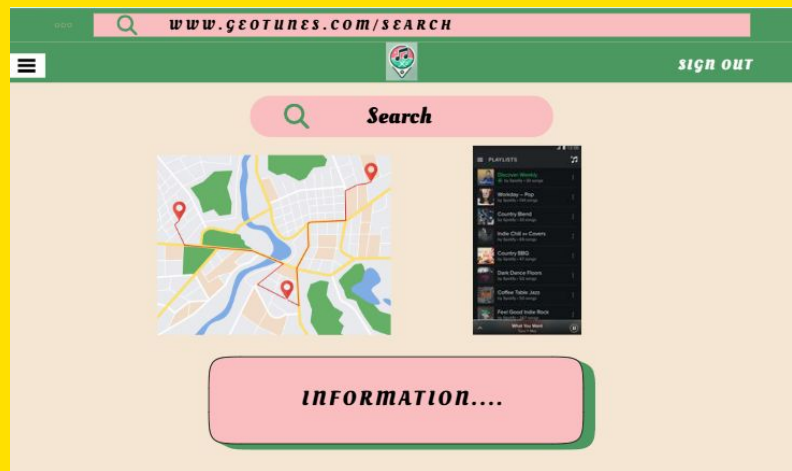
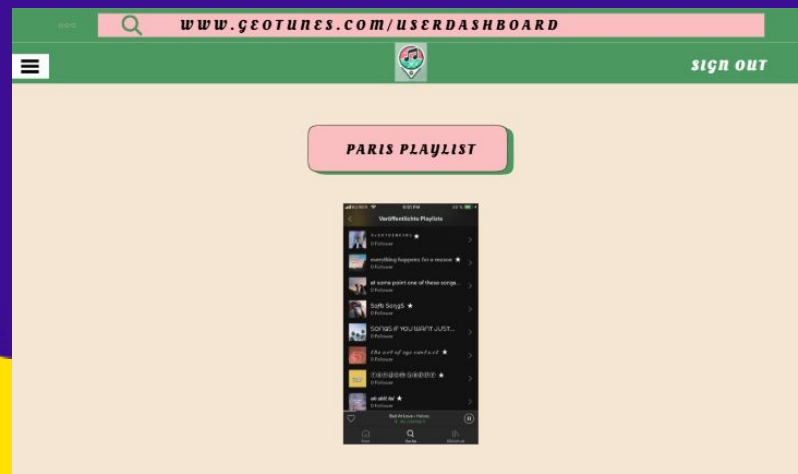
# Genesis Smith

- Overall increase cultural event attendance
- Connect with tourists during major events
- Showcase emerging local artists

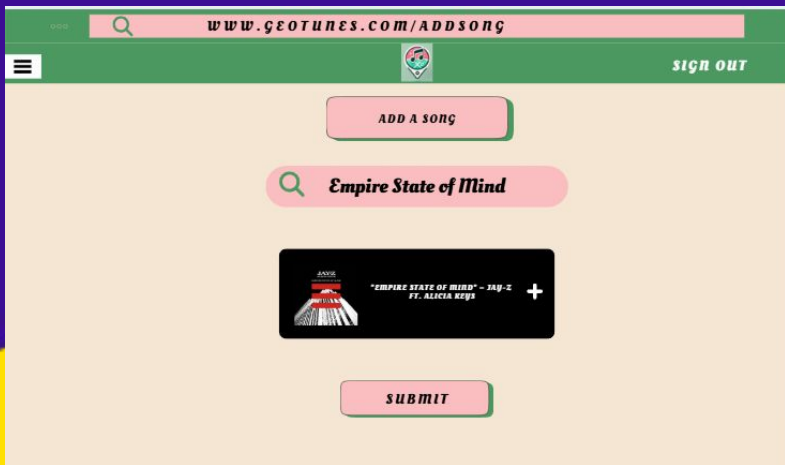


**Wireframe**











# Technologie

- Node.js
- Express.js
- React
- JSON
- MongoDB
- HTML
- CSS
- Spotify API
- Leaflet Map API



# Our Database

- User data
- Location information
- Event information
- Posts on the Feed





# Cybersecurity

- Limits on the number of login and signup attempts a user can make at a certain time
- Passwords must be at least 12 characters and contain a capital, number, and symbol
- User's are automatically signed out after a set time of inactivity
- All user password information is hashed in our MongoDB database



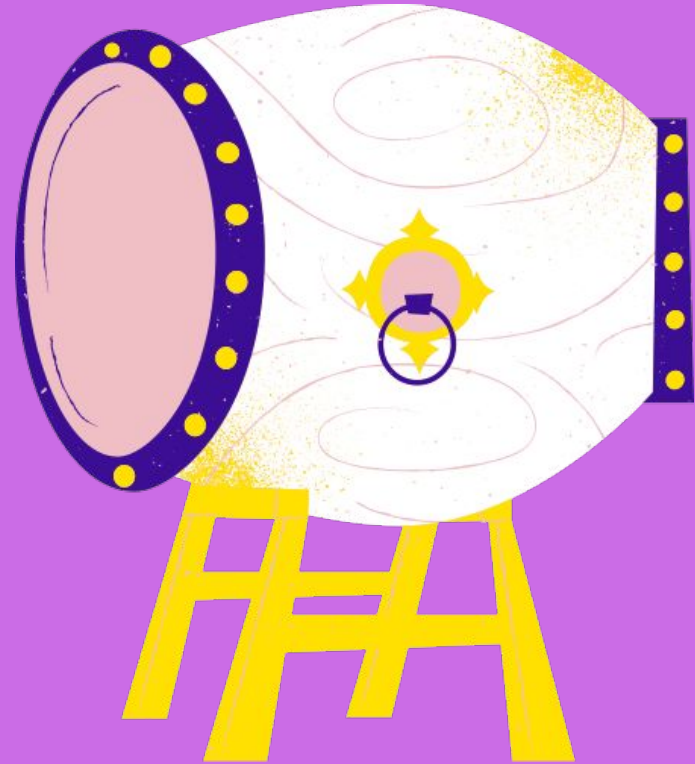


**Demo**

# Updates since

## Midterm

- User Accounts
- Social Features
- Spotify Integration
- Design and Styling
- Demo Posts





# Future Plans

## User Moderation

Let users report harassment and trolling

## Improve UI

Add more decorations and animations.

## Editing Posts

Allow users to edit their posts with new information.

## Grow Userbase

Social apps need a wide userbase to gain value.

**THANK YOU!**

