Curated For You By You

Team : Cache Me If You Can

Agenda

- Team Member Roles and Responsibilities **
- Improvements from Feedback
- Project Description **
- Team Working Agreement**
- Personas
- MVP
- Algorithms
- Rest API/Examples
- Technologies
- Diagrams
- Product Backlog
- Sprint 1 Backlog
- Metrics
- Retrospective
- Sprint 2
- Demo
- Github Link

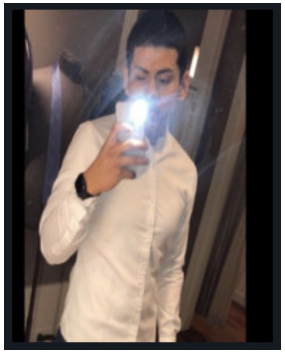
Improvements from Feedback

- Reviewed peer and instructor feedback on project presentation and group wiki page.
- Added relevant photos throughout the slideshow more specifically the Team Member page.
- Incorporated links into the wiki page to meet syllabus standard.

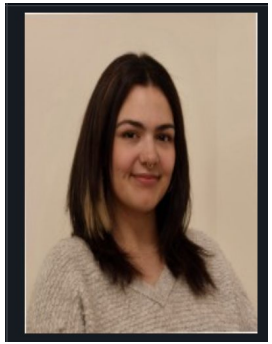
Team Members

Emmet Allen- Scum Master / Systems Architect

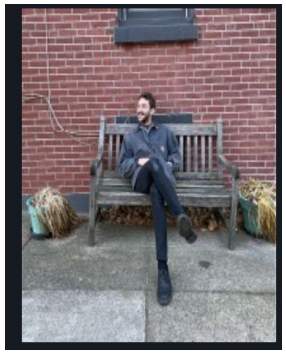
Ben Smith - Backend Dev / Integrations



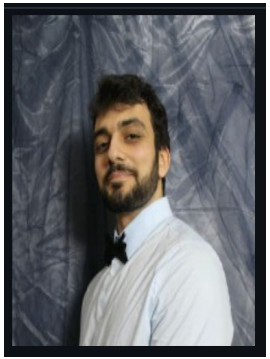
Brian Moran - Full Stack Dev



Front End Dev Lead



Pete Adams - Back End Lead / Data Team



Christos Markakis - Data Team / Full Stack Dev

Jalen Gill - Front End Dev / Integrations

Project Description

Curated By You, For You

Curated By You, For You is a web application that helps people discover music and artists based on location.

- **For:** musicians, fans, and music industry professionals
- **Who:** want to be discovered, discover others, and stay connected with trends in local music scenes

What It Does
Curated By You, For You searches for information about local artists and organizes it by genre and location, so users can make meaningful local discoveries.

Benefit Outcomes
By using this app, people will become more knowledgeable about local music scenes, discover new bands they enjoy, and help smaller musicians grow larger fanbases.

Team Working Agreement

- Agreed to meet twice a week Tuesday @ 6:00PM EST
- Pairing is necessary to work on a story
- If one person in pair is unavailable the other person in the pair is expected to pick up the work
- Pairs switch for either each story or each sprint depending on need for expertise if necessary
- Stories will be groomed and pointed before opening a sprint
- Stories need a kickoff ceremony before work is started on them consisting of 1 or 2 other members

Primary User : DJ Two Tone

- Age, 23
  Location : New York
  Occupation: DJ
- DJ Two Tone is a local DJ who performs at clubs and parties. While he often mixes popular, well-known tracks into his sets, he's now looking to incorporate more local cultural music genres to create unique experiences that celebrate the community and connect audiences with the sounds of their own scene.
- **Issue:** Difficulty accessing and integrating unfamiliar cultural music genres—such as Jakarta folk—into performance sets, requiring extensive independent research through scattered sources like record stores, forums, and music databases.
- **Solution:** The platform enables DJs and creators to easily discover and explore local and niche genres by searching specific locations and styles (e.g., Jakarta + Folk Music), instantly connecting them with relevant artists, bands, and tracks to blend seamlessly with their own sets.

Primary User 2 : Tobi

- Age, 29
  Location : West Nyack, NY
  Occupation: Musician
- Tobi is a musician looking for his big break into the music industry. He plans on starting in the local scene to build his experience and connections in the industry.
- **Issue:** Music creators face barriers in networking, collaboration, and expanding their creative expertise, limiting growth and visibility.
- **Solution:** Our platform empowers creators by fostering meaningful connections, driving community-driven promotion, and offering tools and resources to continuously expand their skill set.

Primary User 3: Glenn

- Age, 58
  Location : Chattanooga, TN
  Occupation: Store Manager

- Glenn is a store manager that often listens to music in his spare time. He uses apps like Spotify and Apple Music to listen to his preferred music and popular music of today. He wants to immerse himself in new music by discovering new artists locally.

- **Issue:** As a music fan, it can be hard to discover new local performers beyond the big-name acts. Relying on word of mouth or chance encounters often means missing out on fresh talent, especially younger or emerging artists who aren't promoted widely.

- **Solution:** The platform makes it easy for fans to discover new and local artists tailored to their tastes. By combining personal preferences with location-based recommendations, fans can explore performers they might not otherwise find—helping them connect with fresh music while supporting their local scene.

MVP Feature Prioritization

- **Feature Name:** Location and Genre Based Search
    - Purpose: Searching Capabilities for Music Artist
    - User story: As a User, I want to search for artists using a specific location and music genre, so that when I complete the search, I'm provided with a list of artists who are from that location and perform that genre.
- **Feature Name:** Artist Music Listing
    - Purpose: Provide Artist Music Collection
    - User story: As a User, when I search an artist using the application, I want to be able to click on an artist, so that I can see their discography

CM

Algorithms:

Entity Resolution / Deduplication: cleaning and removing dupes from our corpus of data

Hybrid Ranking (RRF): merging tables of similar genres on location proximity and popularity

Inverted Index: classic search engine implementation, used to search for band name, genre, location, and/or description

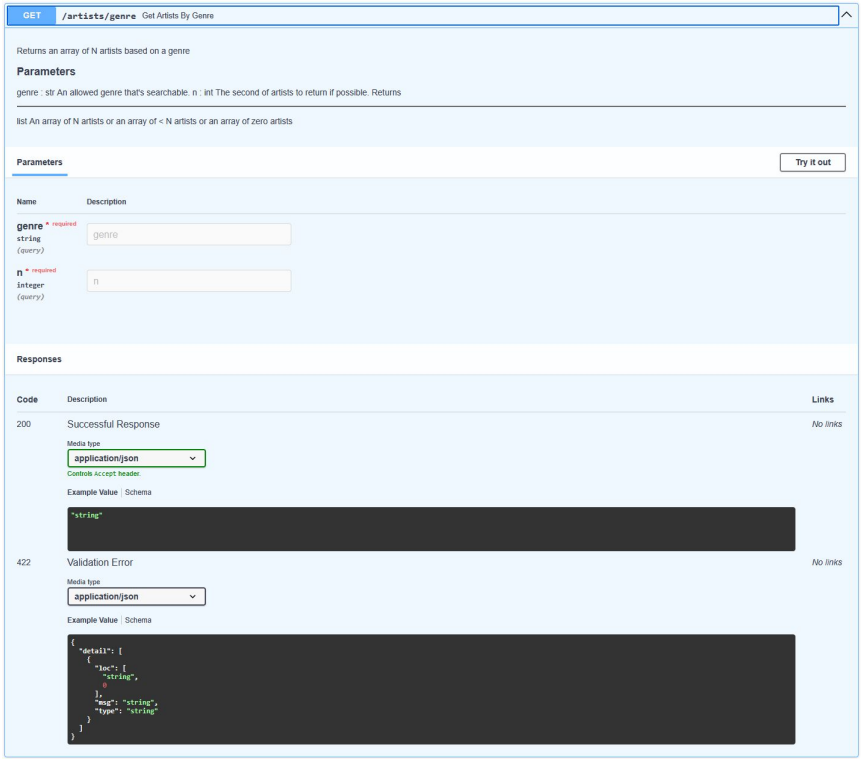
Backend REST API

The heart of the backend is a REST API that's queryable through HTTP GET requests. Data is accessed from our local repository of artists and then transformed into a JSON payload.

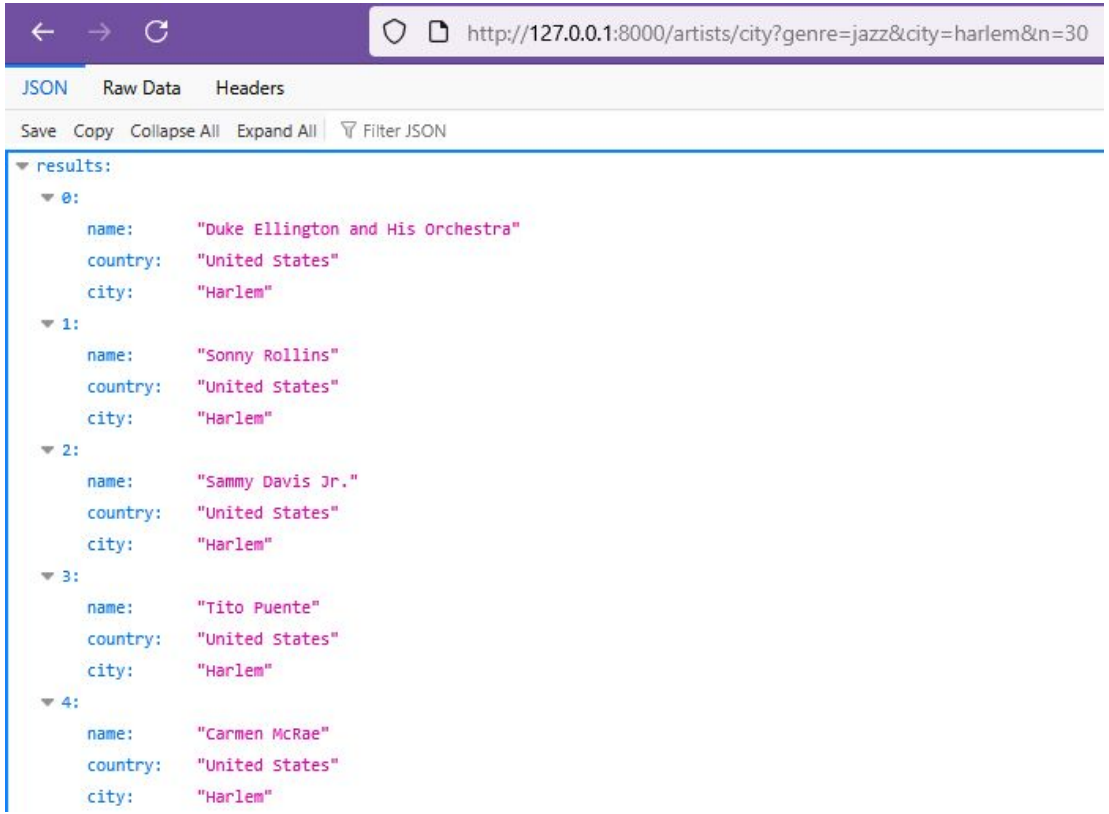
Our two endpoints at the moment are:

/artists/genre
and
/artists/city

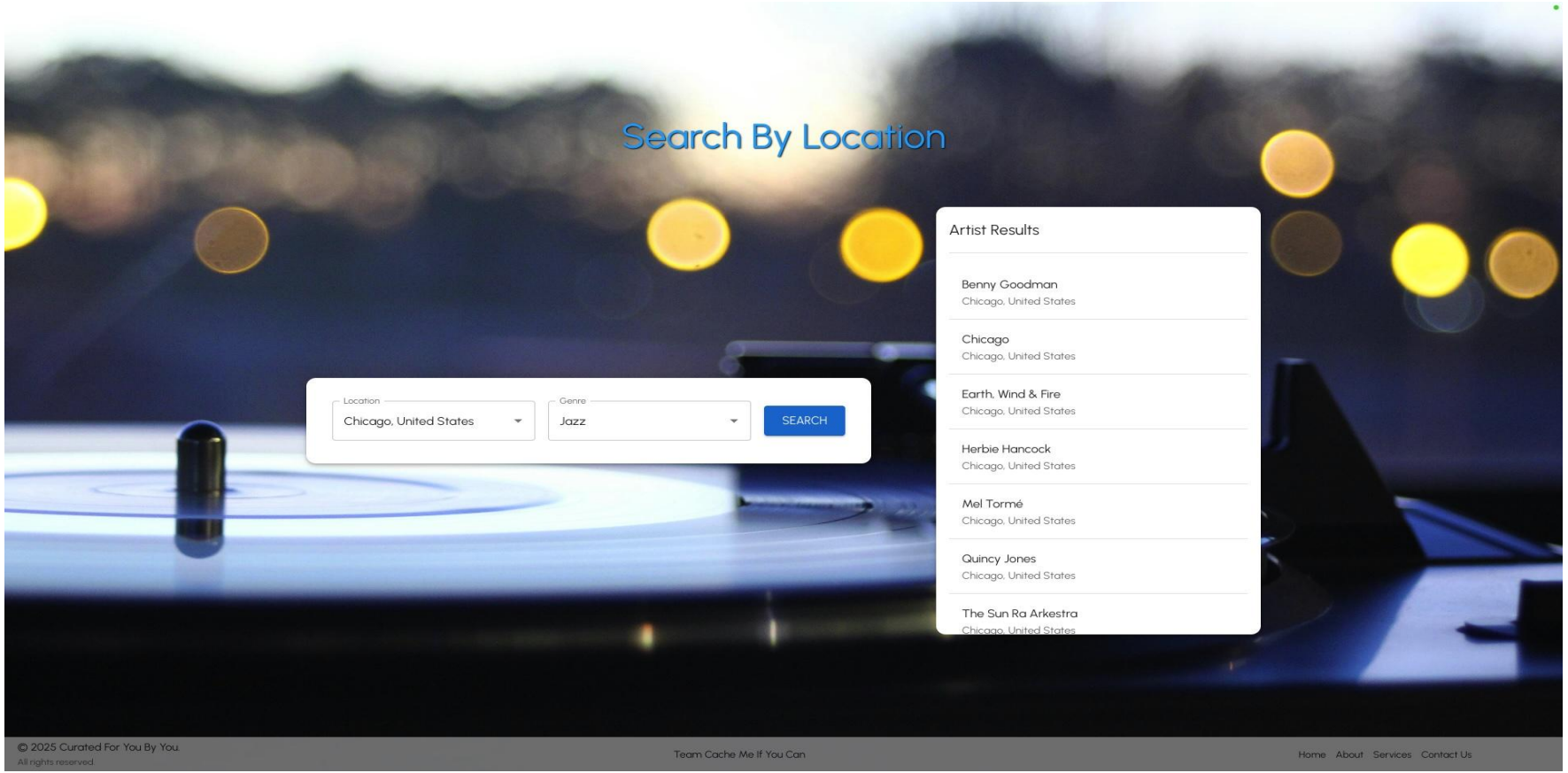
API Request


GET
/artists/genre
Get Artists By Genre
Returns an array of N artists based on a genre
Parameters
genre : str An allowed genre that's searchable. n : int The second of artists to return if possible. Returns
list An array of N artists or an array of < N artists or an array of zero artists
Parameters
Try it out
Name
Description
genre * required
string
(query)
genre
n * required
integer
(query)
n
Responses
Code
Description
Links
200
Successful Response
No links
Media type
application/json
Controls Accept header.
Example Value | Schema
"string"
422
Validation Error
No links
Media type
application/json
Example Value | Schema
{
"detail": [
{
"loc": [
"string",
0
],
"msg": "string",
"type": "string"
}
]
}

API Example


http://127.0.0.1:8000/artists/city?genre=jazz&city=harlem&n=30
JSON
Raw Data
Headers
Save
Copy
Collapse All
Expand All
Filter JSON
results:
0:
name: "Duke Ellington and His Orchestra"
country: "United States"
city: "Harlem"
1:
name: "Sonny Rollins"
country: "United States"
city: "Harlem"
2:
name: "Sammy Davis Jr."
country: "United States"
city: "Harlem"
3:
name: "Tito Puente"
country: "United States"
city: "Harlem"
4:
name: "Carmen McRae"
country: "United States"
city: "Harlem"

Frontend Search



Technical Implementation

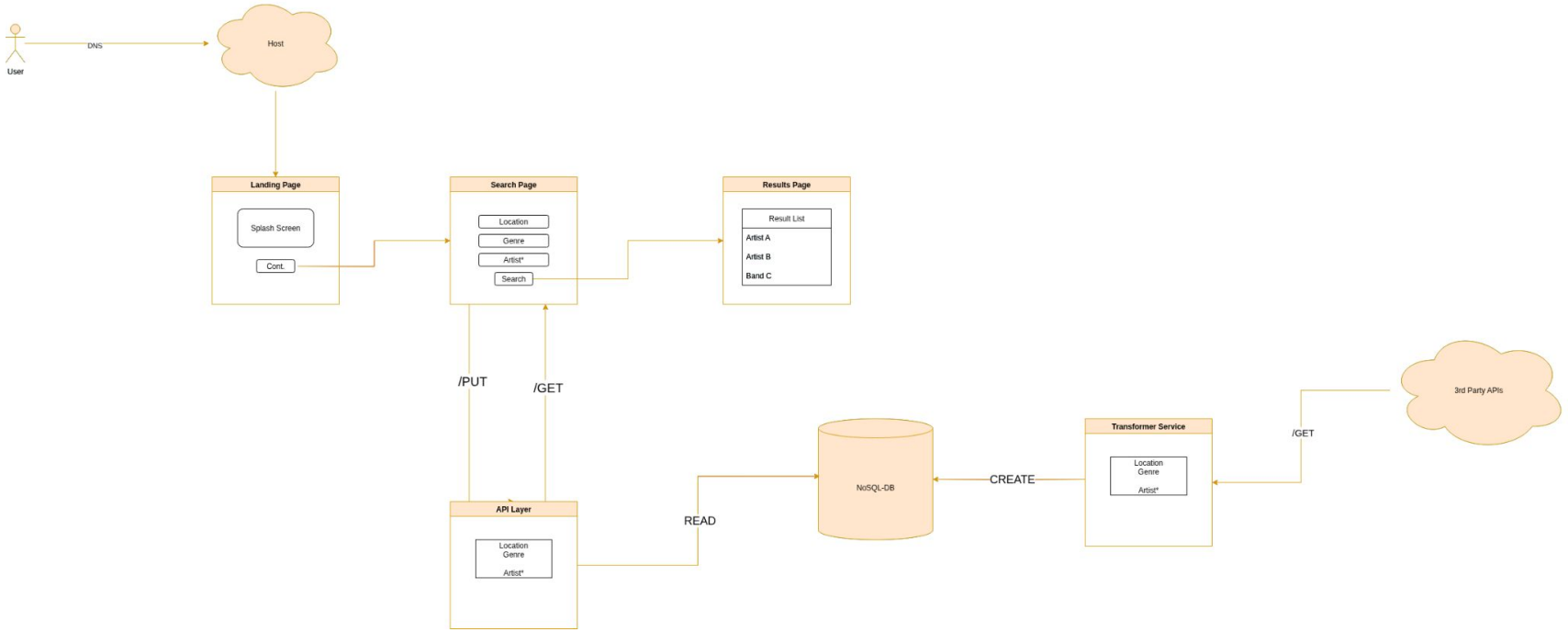
Platform / Technology:

Backend- Python, FastAPI, uvicorn

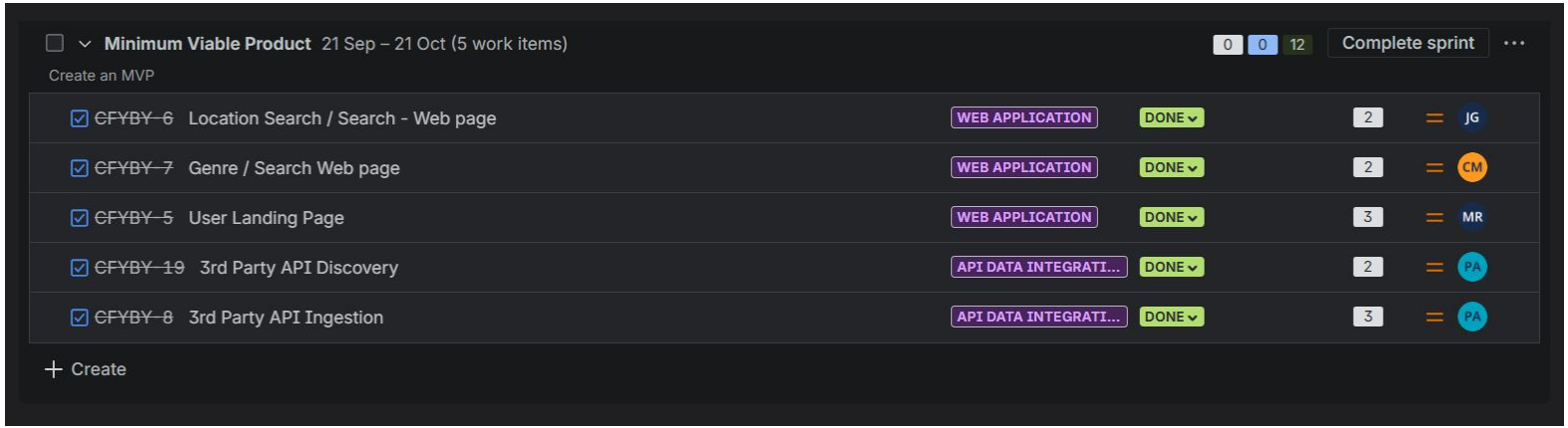
Frontend- React, TypeScript, Material.UI (CSS)

3rd Party APIs : Spotify API, Music Brainz API, EveryNoise.com

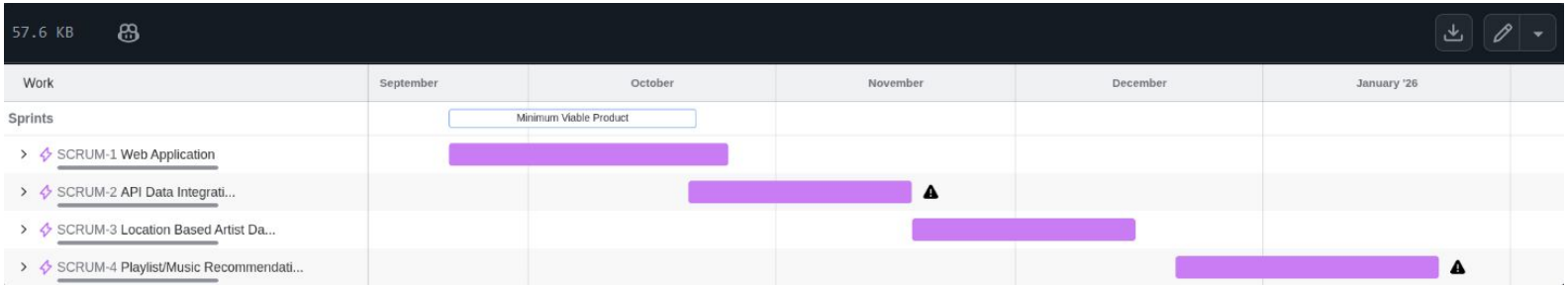
Architecture Diagram



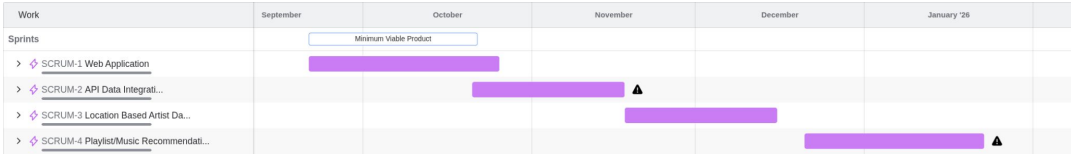
Sprint 1 Backlog



Burndown Chart



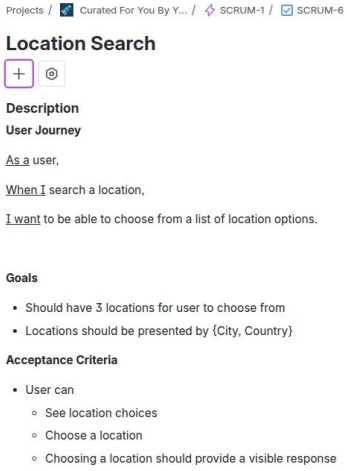
Project Schedule



- Sprint 0 : September 2 - September 22
- Sprint 1 : September 23 - October 20
- Sprint 2 : October 21 - November 17
- Sprint 3 : Completion of MVP: November 18 - December 15

Weekly Meetings: Tuesdays at 6:00PM

Completion of User Stories and Tasks will be managed through Jira, and each will have defined deadlines and story points.



Team Retro

What went well	What didn't go well	Action Items
Adapted quickly to challenges	Meeting Schedules were tight	Weekly Stand Ups(Tuesdays)
Good problem solving	Minor Confusion some gaps in team communication	Following up on progress
Strong collaboration	Not utilizing Discord as Often to follow up with pairs	Following up with Notes on Weekly Follow Ups
Completed Majority task for Sprint planning	Knowledge Silos	
Stayed positive and focused		
Team Support		

AI Disclosure

These AI Tools were used to aid us in brainstorming and project development:

- Gemini CLI
- ChatGPT

Thank You!

Wiki Page/Github Repo: https://github.com/htmw/F2025-Async/wiki