Team Name: BeatHarmony

Ankit Verma: averma46@gatech.edu
Rishma Mendhekar: rmendhekar3@gatech.edu
Christian Graham: cgraham47@gatech.edu
Justin Higgins: jhiggins@gatech.edu
Pradyumna Mukunda: pmukunda3@gatech.edu

Initial Project Name: BeatHarmony

Problem:

Existing music platforms create echo chambers based on the music you *already* listen to.

- *Recommendation algorithms have a hard time breaking out of the information they're fed.*
- *Music-heads are not connected to curators who share in their unique tastes.*

Design Pivot:

Redefine playlists as a living, communal affair.

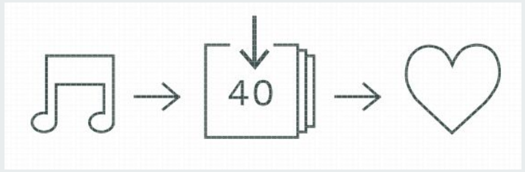
- *Every playlist is a living space with an owner, chat, and an ever changing playlist of songs.*
- *Users can chat, link to other playlists, recommend songs to add/remove from the playlist, and more.*
- *With a focus on **creating**, **finding**, and **listening** to playlists.*

Creating an engaging New User Experience (NUE).

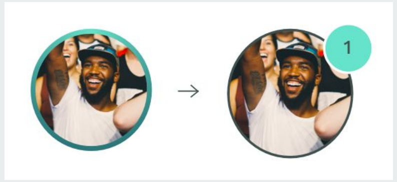
- Analyzing existing platforms such as Instagram, Twitter, and Discord.
- Thinking long term with features such as recommended “Talent Curated Playlists”.

Feedback on UI from Sprint 3:

- The like button isn't clear

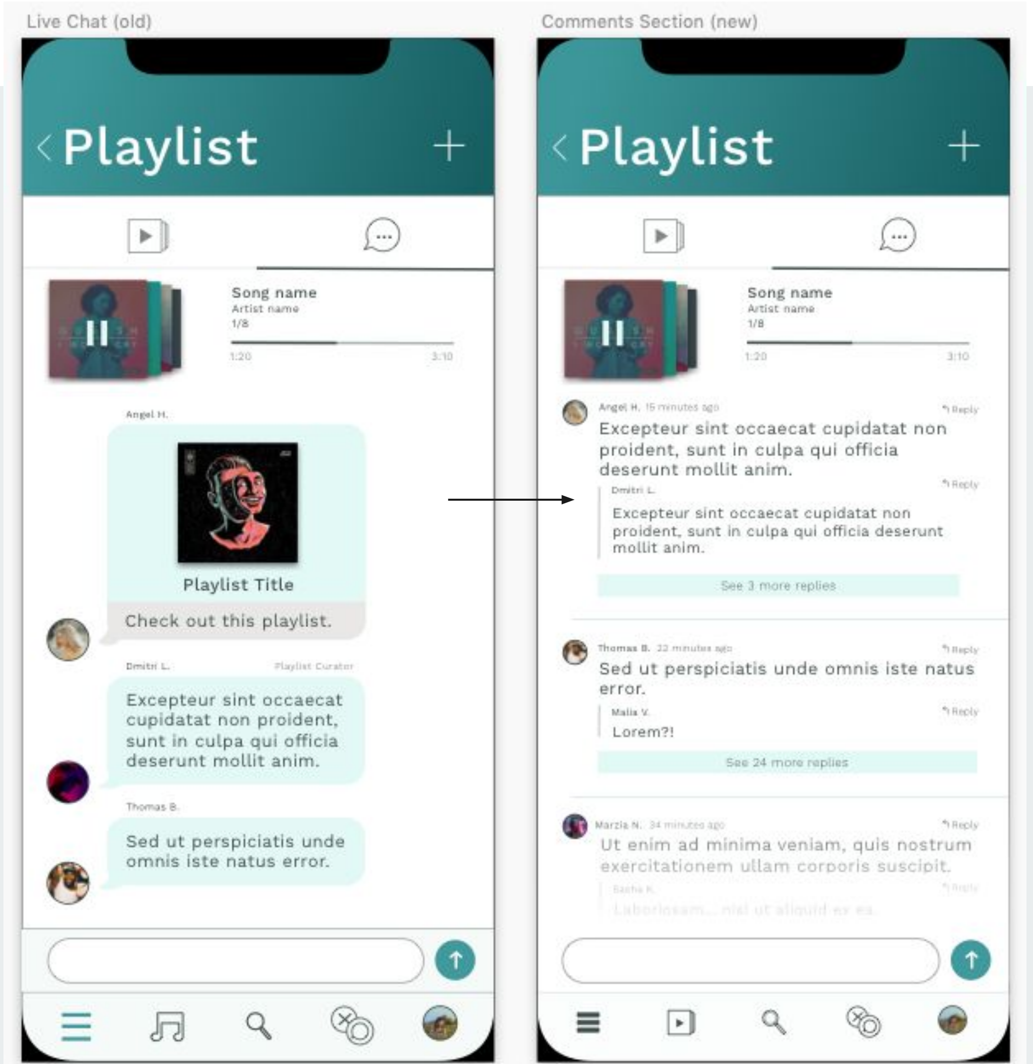


- Notifications aren't clear



Feedback on UI from Sprint 3:

- Comments instead of live chat



Live Chat (old)

Playlist

Song name
Artist name
1/8
1:20 3:10

Angel H.
Playlist Title
Check out this playlist.

Dmitri L. Playlist Curator
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim.

Thomas B.
Sed ut perspiciatis unde omnis iste natus error.

Comments Section (new)

Playlist

Song name
Artist name
1/8
1:20 3:10

Angel H. 15 minutes ago ↰ Reply
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim.

Dmitri L. ↰ Reply
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim.

See 3 more replies

Thomas B. 32 minutes ago ↰ Reply
Sed ut perspiciatis unde omnis iste natus error.

Malia V. ↰ Reply
Lorem?!

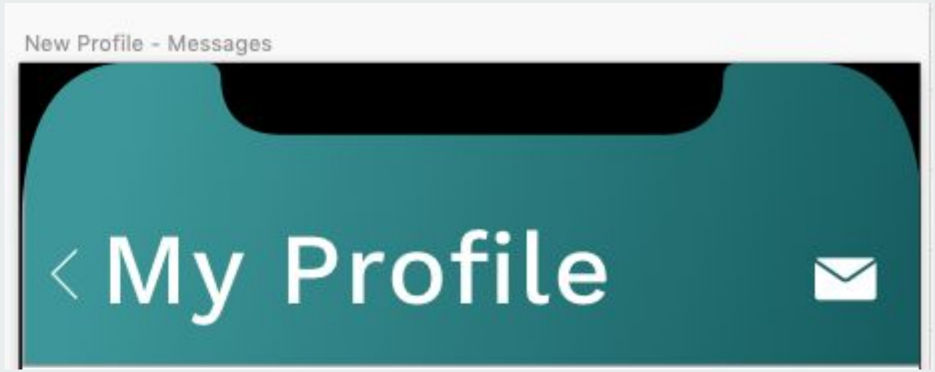
See 24 more replies

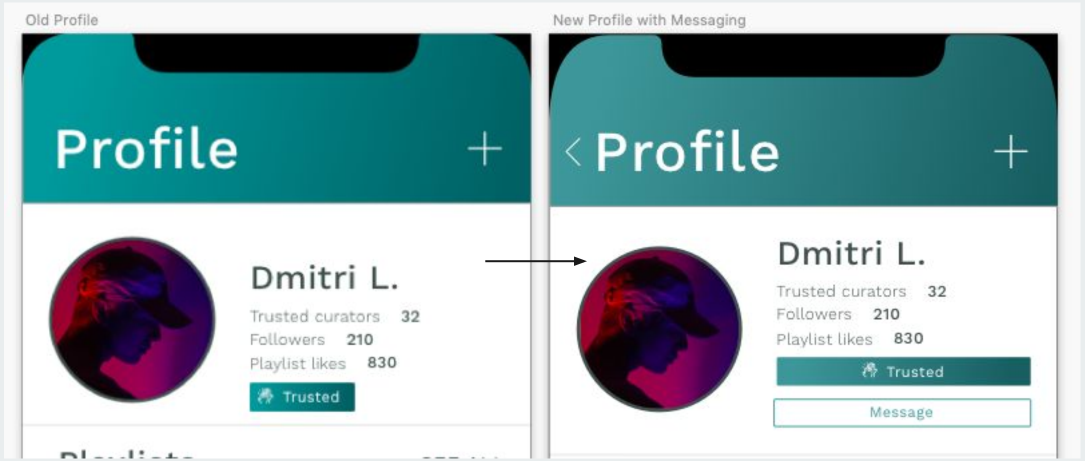
Marzia N. 34 minutes ago ↰ Reply
Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit.

Sasha K. ↰ Reply
Laboriosam... nisi ut aliquid ex ea.

Feedback on UI from Sprint 3:

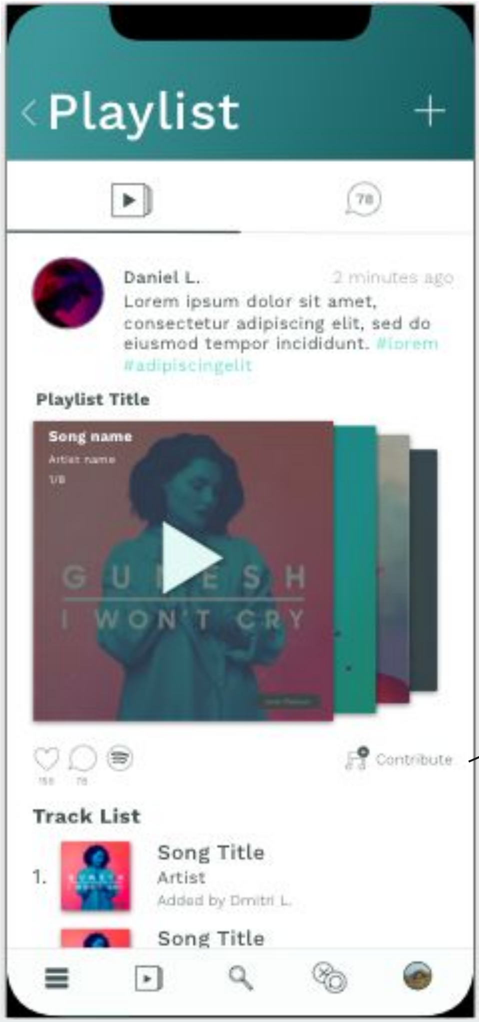
- Users want to message anyone on the app



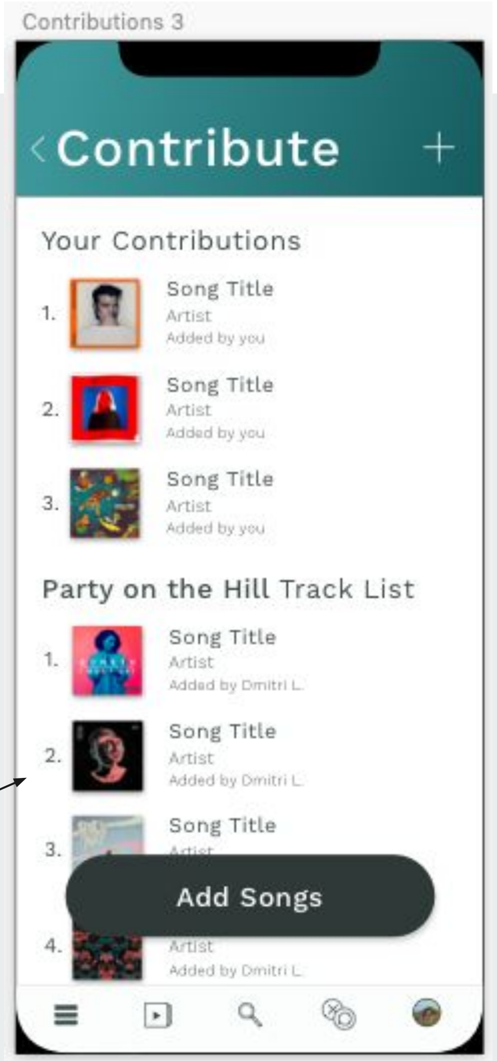


Design changes made in Sprint 4

- Contributing to a playlist



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt. #lorem #adipiscingelit

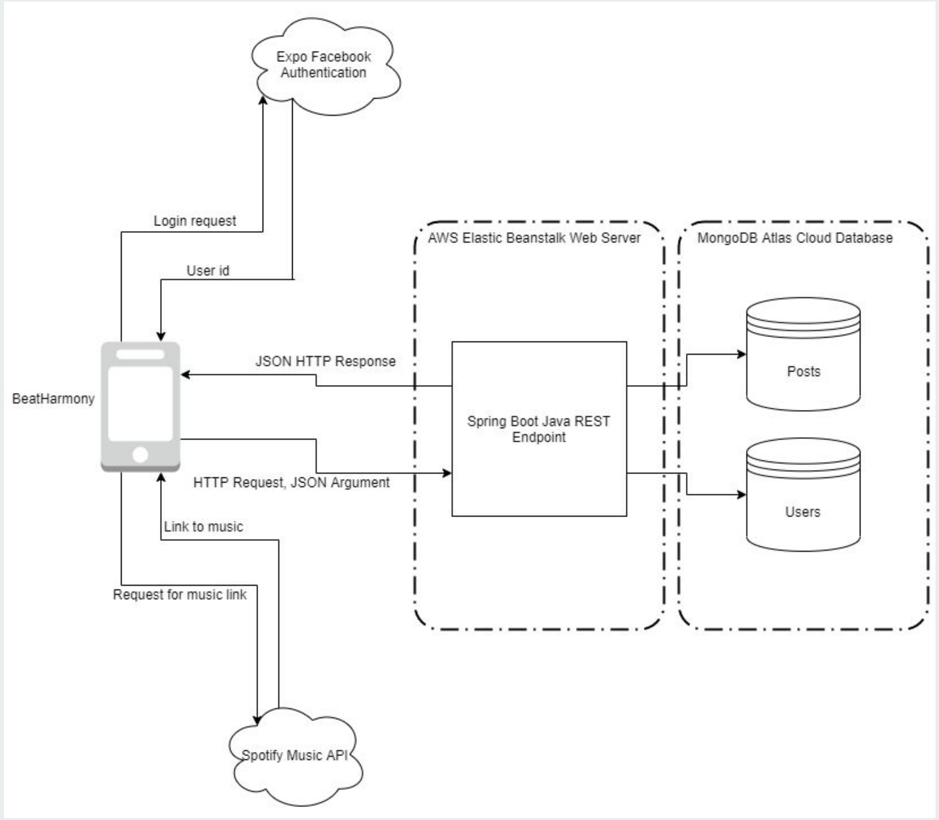


Feedback during Sprint 4

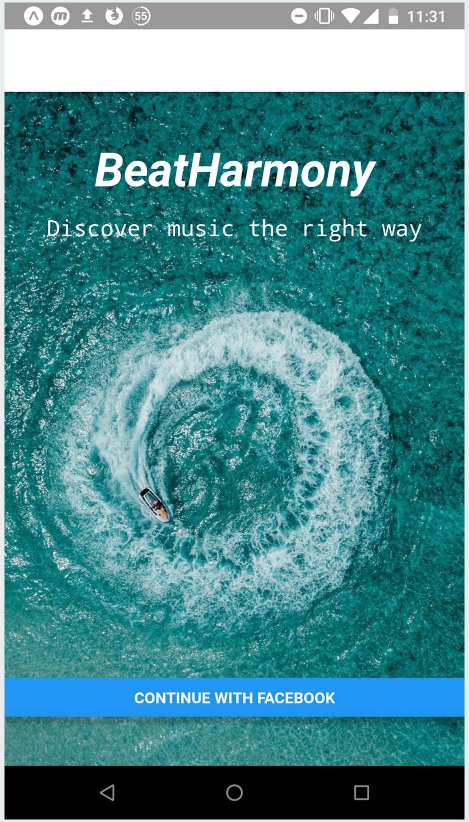
- Feedback survey: 14 responses
- Messaging is hard to find
- Playlist contribution should be more nuanced
  - Private playlists vs public playlists
  - Playlist curator should be able to approve contributions

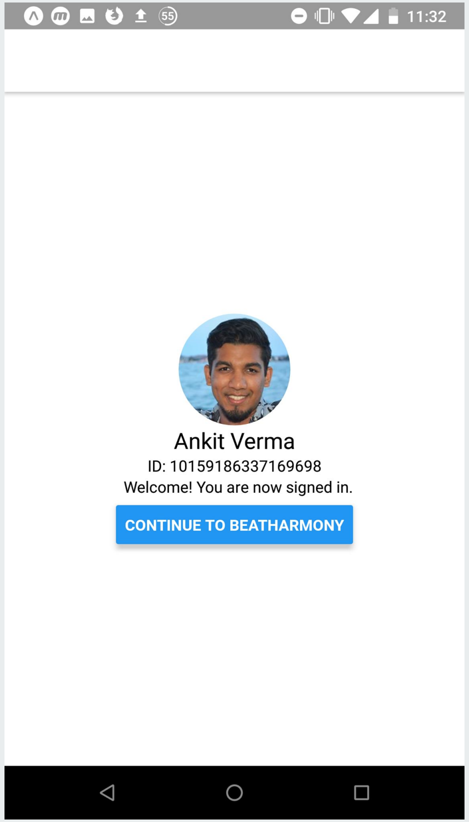
Updated Application Architecture:

- Current:
  - React Native frontend
  - Spring Boot Java backend hosted on AWS Elastic Beanstalk
  - MongoDB Atlas Managed NoSQL Database
  - Spotify Music API
- Recent Change
  - Expo Facebook Authentication

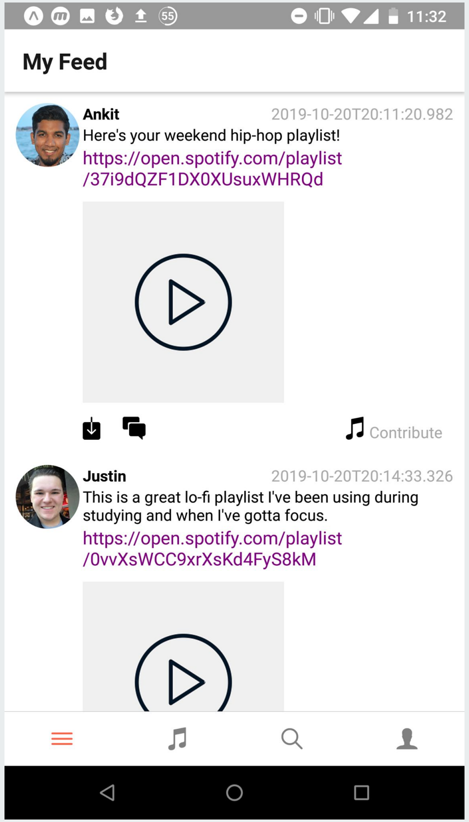

Expo Facebook Authentication
Login request
User id
AWS Elastic Beanstalk Web Server
MongoDB Atlas Cloud Database
JSON HTTP Response
BeatHarmony
Spring Boot Java REST Endpoint
Posts
Users
HTTP Request, JSON Argument
Link to music
Request for music link
Spotify Music API

Front-End Demo:





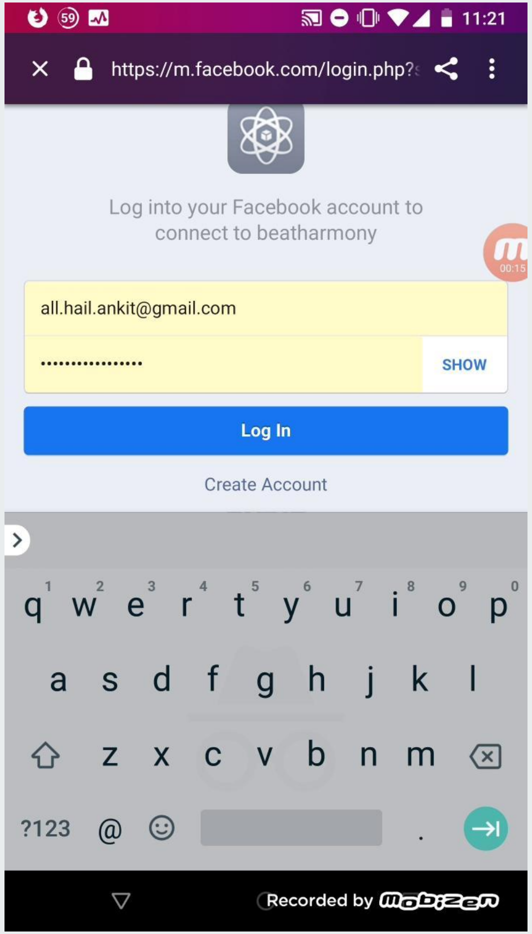
Ankit Verma
ID: 10159186337169698
Welcome! You are now signed in.



Ankit 2019-10-20T20:11:20.982
Here's your weekend hip-hop playlist!
https://open.spotify.com/playlist/37i9dQZF1DX0XUsuxWHRQd

Justin 2019-10-20T20:14:33.326
This is a great lo-fi playlist I've been using during studying and when I've gotta focus.
https://open.spotify.com/playlist/0vvXsWCC9xrXsKd4FyS8kM

Front-End Demo:


11:21

https://m.facebook.com/login.php?s

Log into your Facebook account to connect to beatharmony

all.hail.ankit@gmail.com

••••••••••••••••••• SHOW

Log In

Create Account

Recorded by Mobizen

Back-End Demo:

User:

- GET
  - /users - get all users, for testing
  - /users/id/{id} - get a user by id
  - /users/name/first/{name} - basic name search
  - /users/username/{username} - username search
  - /users/{id}/trusted
- POST
  - /users - create a new user
- PUT
  - /users/addtrusted/{id} - add trusted user to list
  - /users/removetrusted{id} - remove trusted user from list
- DELETE
  - /users/{id} - delete user by id

Post:

- GET
  - /posts - return all posts
  - /posts/{id} - get a post by id
- POST
  - /posts - add a new post
- DELETE
  - /posts - delete a post by id
- PUT
  - /posts/{id}/like - user like a post
  - /posts{id}/unlike - unlike a post

Back-End Demo:

Postman Backend Demo