



SoundPalette

Final Presentation



Team Introduction



**Parth
Chauhan**

*Product Owner
Software Testing*

**Prab
Khokhar**

UI/UX Designer

**James
Windjack**

*Assistant Lead Developer
Full Stack Developer*

**Victoria
Danh**

*Scrum Master
Front-End Developer*

**Kaija
Sproxton**

*Documentation Specialist
UI/UX Designer*

**William
White**

*Lead Developer
Full Stack Developer*

Agenda

Introduction

What is SoundPalette?

Software Engineering Process

Sprint Timeline

Roles and Responsibilities
Setbacks

Architecture Design

UI/UX Design

Software Testing

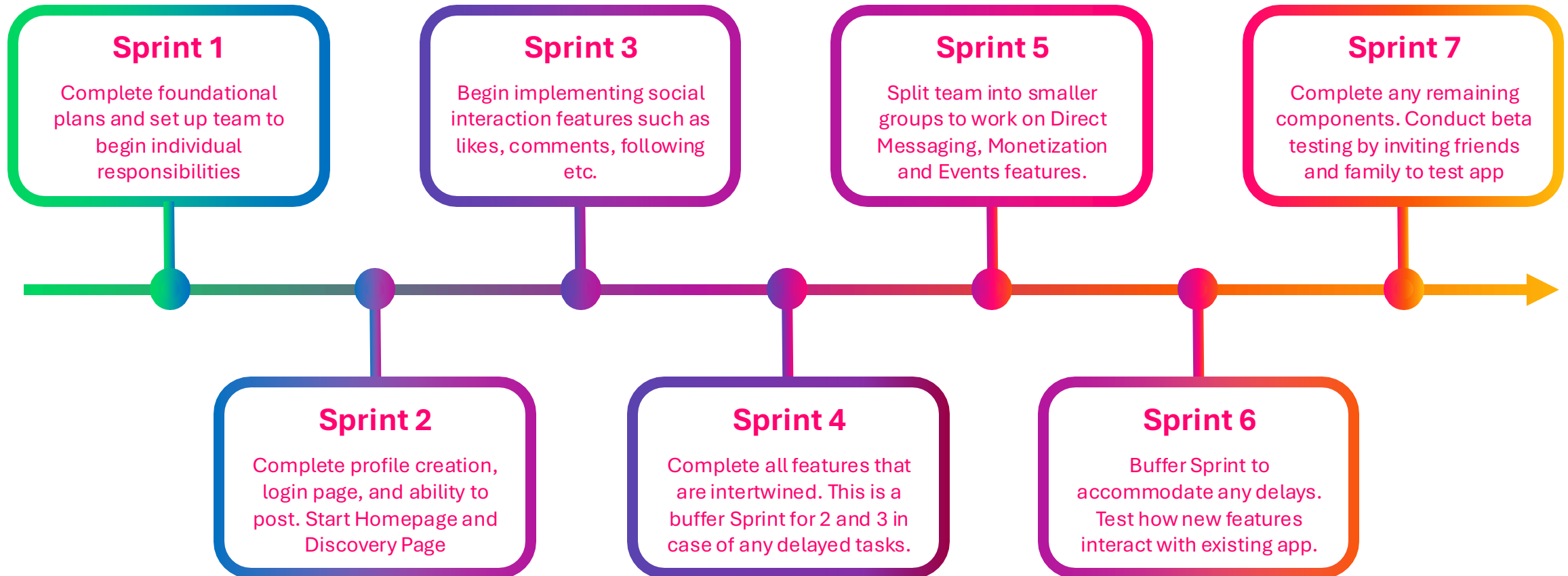
SoundPalette Demonstration



What is SoundPalette?

- ➡ Social media Android app for artists
 - ✦ Musicians, vocalists, visual artists, poets, etc.
- ➡ Designed to help artists collaborate, grow a following, and monetize their work in a dedicated space
- ➡ Addresses the lack of a platform specifically for artists
 - ✦ Artists currently compete with influencers on platforms like Instagram, TikTok, and YouTube
 - ✦ Allows artists to focus all social media interactions in one place
 - Provides a space for users to discover new artists and find inspiration
- ➡ Offers a centralized platform for both artists and fans, separating artistic content from non-artistic content

Sprint Timeline



Original Responsibilities



Parth Chauhan

Front-End:

- Login
- Search Page
- Tags
- Direct Messaging

Victoria Danh

Front-End:

- Profile Page
- Interactions (Likes, comments, follow)
- Comments
- Blocks and Private

Prab Khokhar

Front-End:

- Homepage
- Events
- Monetization
- Analytics

Kaija Sproxton

Front-End:

- Discovery Page
- Monetization
- Analytics

James Windjack

Back-End:

- Posts (All)
- Search Page
- Tags
- Direct Messaging
- Notifications

William White

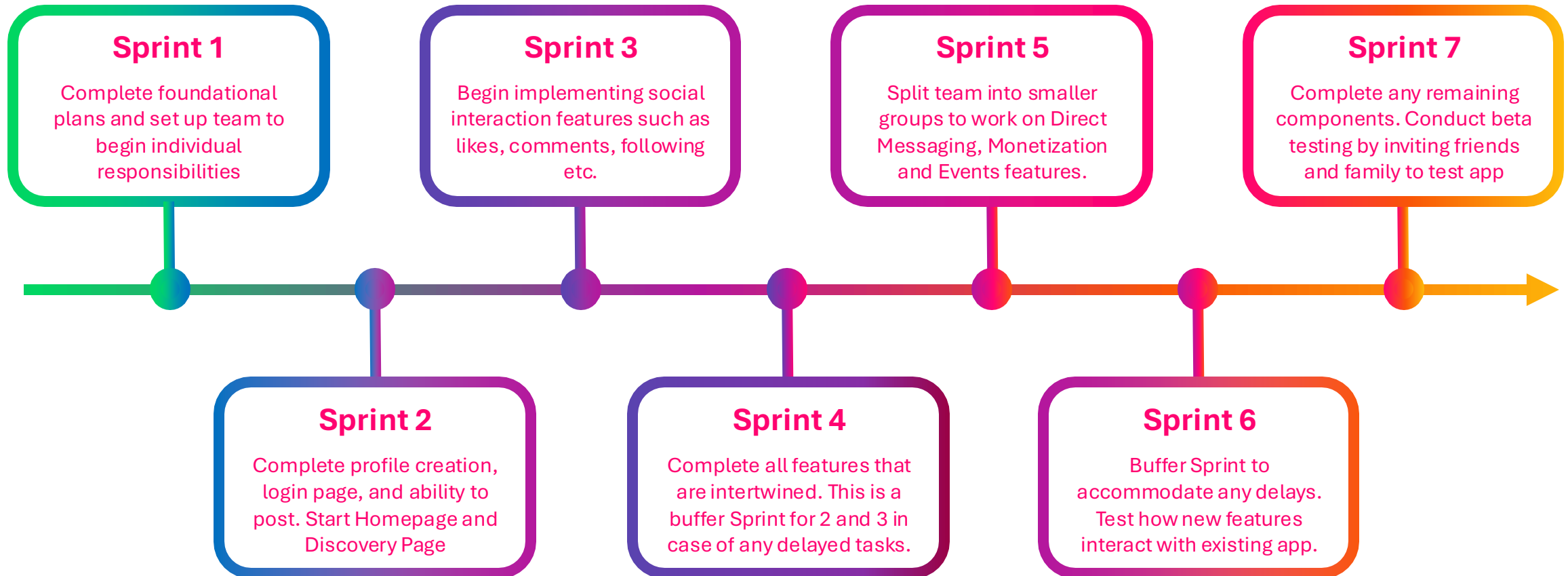
Back-End:

- Login/Registration
- Users/Profile
- Algorithms (Home, trending, search)
- Interactions (Likes, comments, saved)
- Events

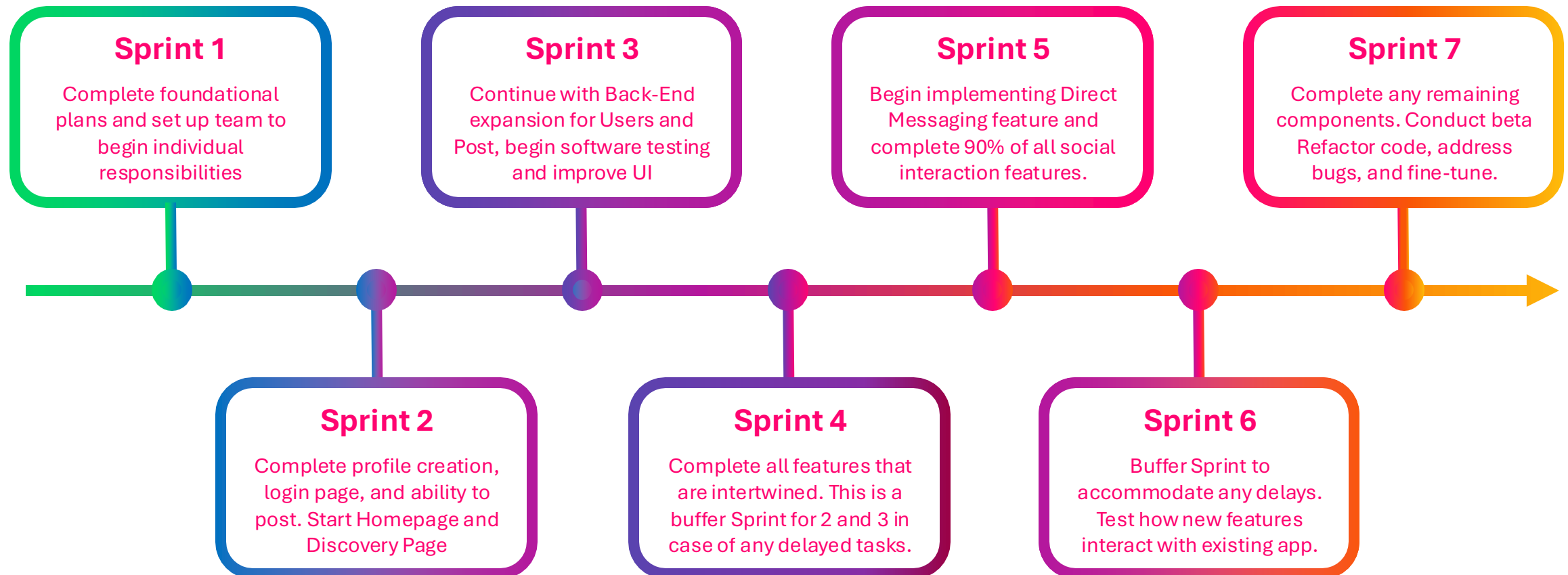
Roadblocks/Set-Backs

- ➡ Around Sprints 3 and 4, our team faced setbacks due to external factors. Although we had built a buffer into our Sprint Timeline, we still struggled to meet all our objectives.
 - ✦ Reassigned responsibilities to better accommodate the limited availability of some team members
- ➡ Given the time constraints, we made the decision to remove the Events and Monetization features from our scope.
 - ✦ We determined that the Events feature did not offer sufficient value to justify the development effort within the remaining timeframe.
 - ✦ In addition, a review of licensing limitations revealed that the Monetization feature is not currently feasible.

Sprint Timeline



Revised Sprint Timeline



Original Responsibilities



Parth Chauhan

Front-End:

- Login/Registration
- Search Page
- Events
- Tags

Victoria Danh

Front-End:

- Profile Page
- Blocks and Private
- Interactions (Likes, comments, follow)
- Comments
- Direct Messaging

Prab Khokhar

Front-End:

- Homepage
- Monetization
- Analytics

Kaija Sproxton

Front-End:

- Discovery Page
- Monetization
- Analytics

James Windjack

Back-End:

- Posts (including connection)
- Search Page
- Tags
- Direct Messaging
- Notifications

William White

Back-End:

- Login/Registration
- Users/Profile
- Algorithms (Home, trending, search)
- Interactions (Likes, comments, saved)
- Events



Updated Responsibilities

Parth Chauhan

Software Testing:

- Test Case Design
- Regression Testing
- Bug Tracking
- Beta Testing
- Performance
- Checks

Victoria Danh

Front-End:

- Profile Page
- Images & Audio Posts
- Interactions
- Comments
- Direct Messaging
- Search
- Notifications

Prab Khokhar

UI/UX Design:

- Splash Screen
- Accessibility Focus
- Visual Design
- Color & Typography
- Brand Consistency

Kaija Sproxton

UI/UX Design:

- Accessibility
- Accommodation
- Visual Design
- Color & Typography
- Brand Consistency

James Windjack

Front & Back-End:

- S3 Connections
- Registration & Login
- Profile Pictures
- User and Post Tags
- Text Posts
- Navigation
- Debugging

William White

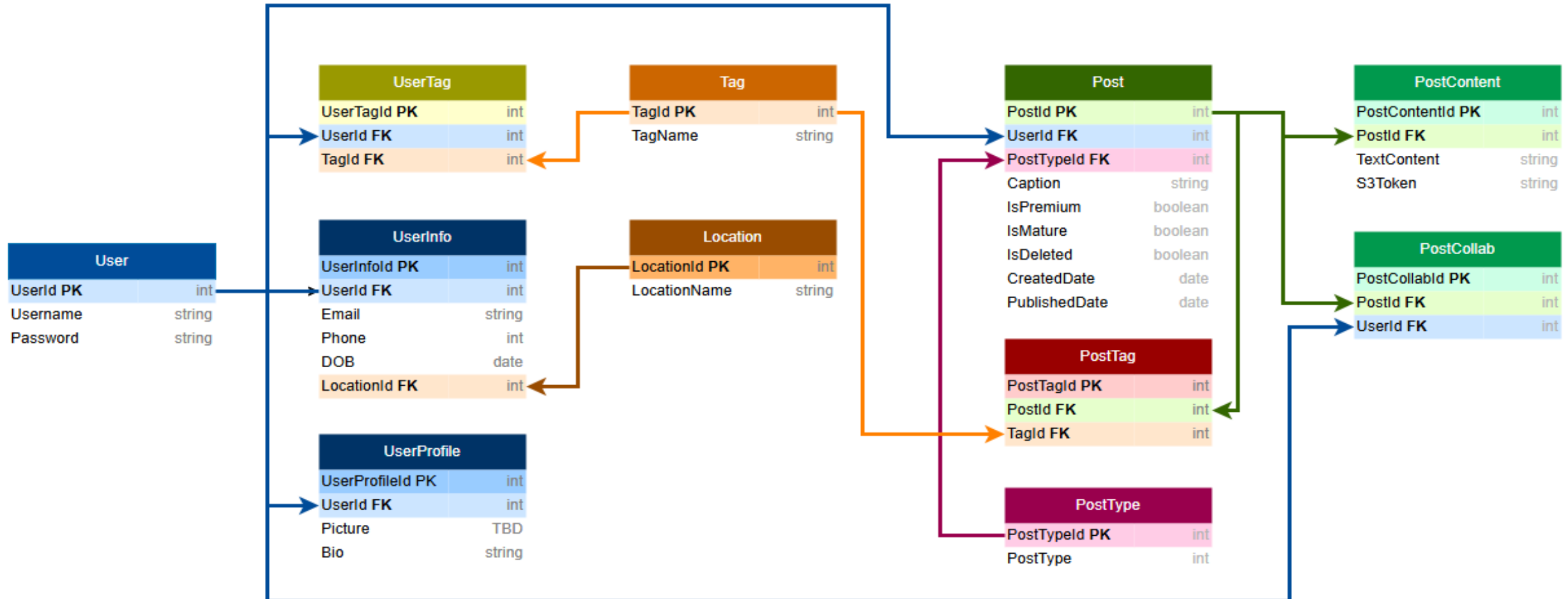
Back-End:

- Users
- Interactions
- Messages
- Algorithms
- Search
- All Posts
- Users and Post Tags
- Notifications



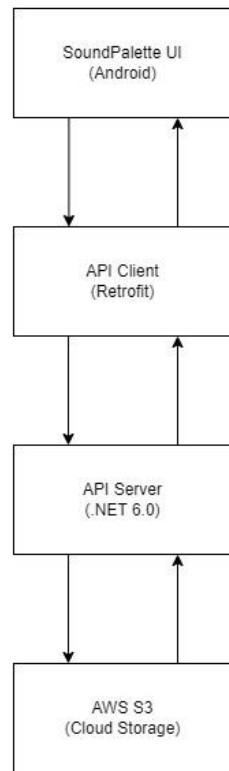
Architecture Design

Database Mock Up Design

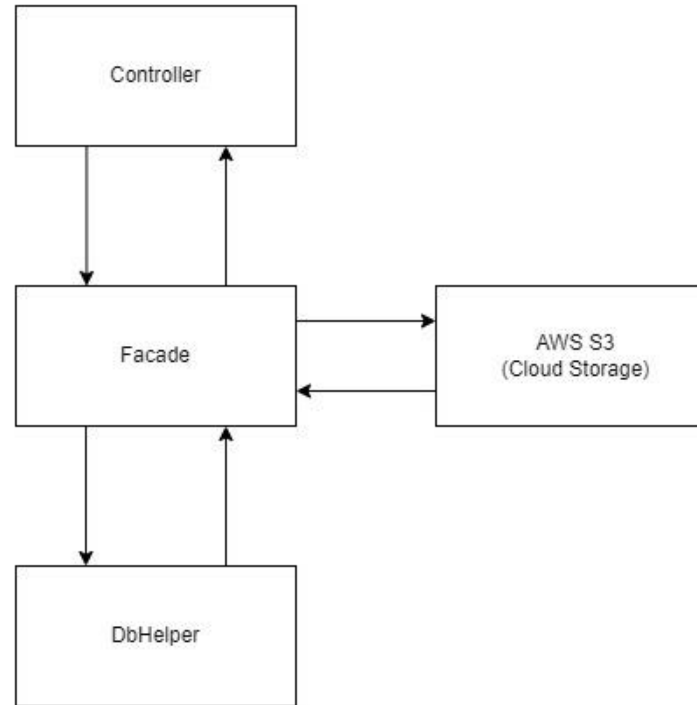


S3 Architecture Set-up

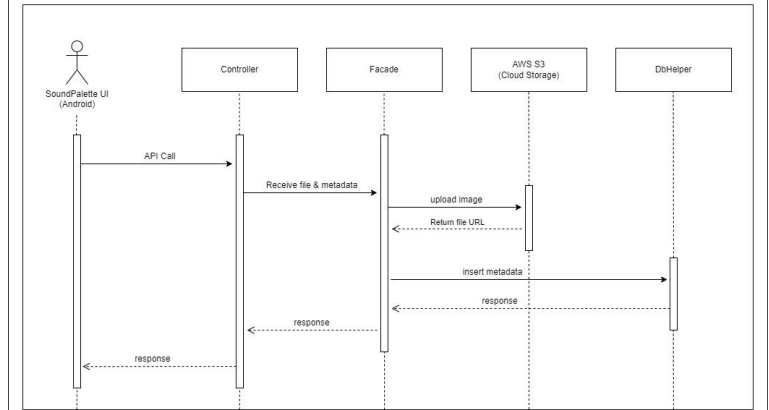
Layered Architecture



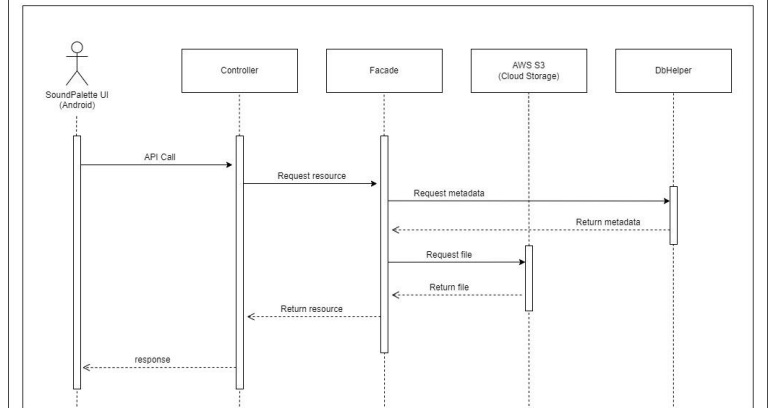
S3/API Server Architecture



Upload File - API Server



Download File - API Server



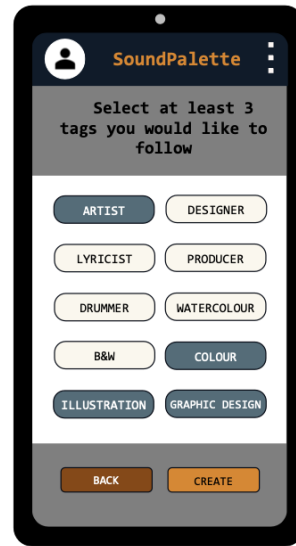
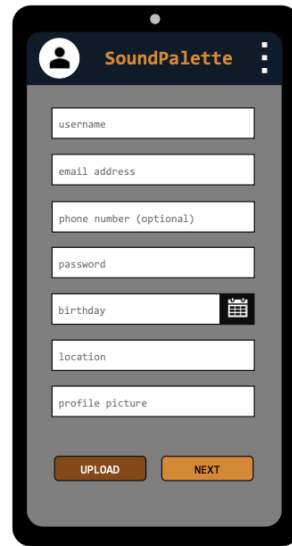
UI/UX Design



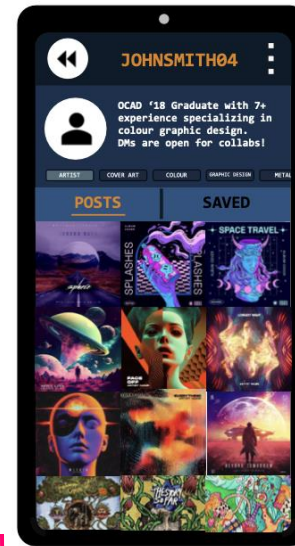
UI/UX Mock Up Design



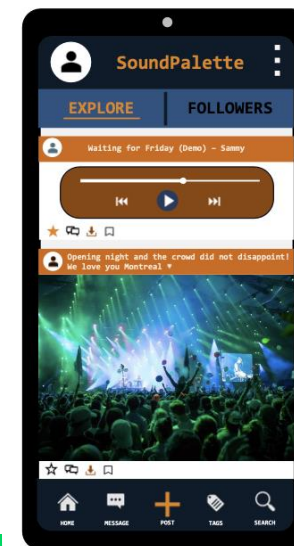
Login Page



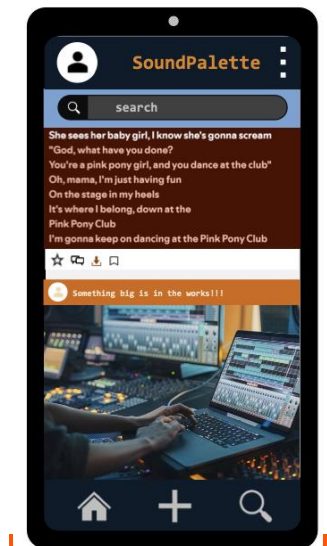
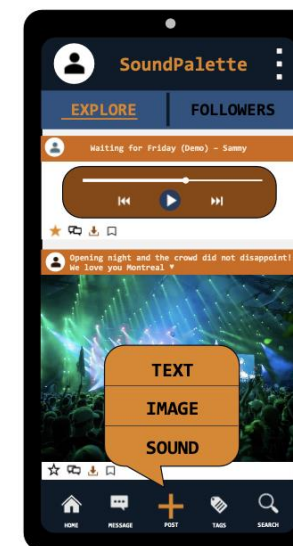
Profile Creation



Profile Page



Home Page



Trending

Glassmorphism Design

Accent colours



Secondary colours



Background colours



Dark colours with pops of accent



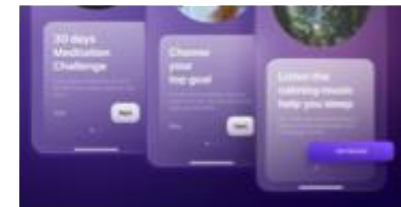
Glass morphism – transparent overlays have a blurred effect



Direct Message bubbles



Background for Posts/Pop-ups



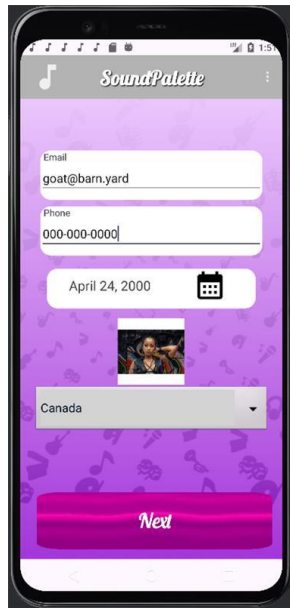
Frosted Glass buttons



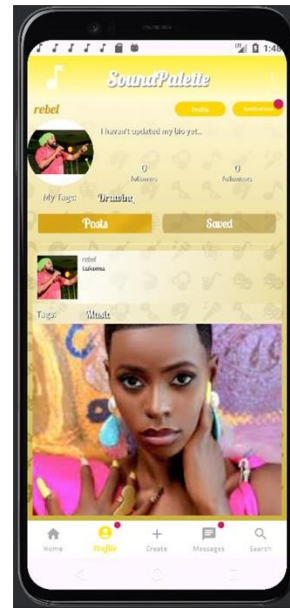
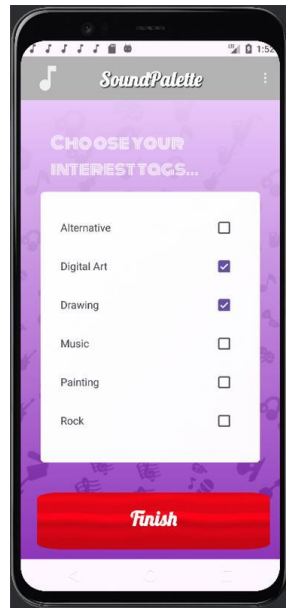
UI/UX Actual Design



Login Page



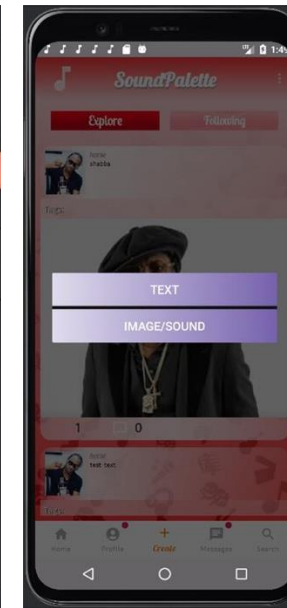
Profile Creation



Profile Page



Home Page



Trending

Software Testing





Software Testing Process

- ➡ The original plan was to conduct both unit and manual software testing at the end of each sprint or upon completion of new features.
- ➡ Due to scheduling conflicts, comprehensive software testing was postponed until Sprint 7.
- ➡ During development, James stepped in to help resolve bugs when Will or Victoria encountered issues that were time-consuming to fix (typically found through Manual testing)



SoundPalette Demonstration