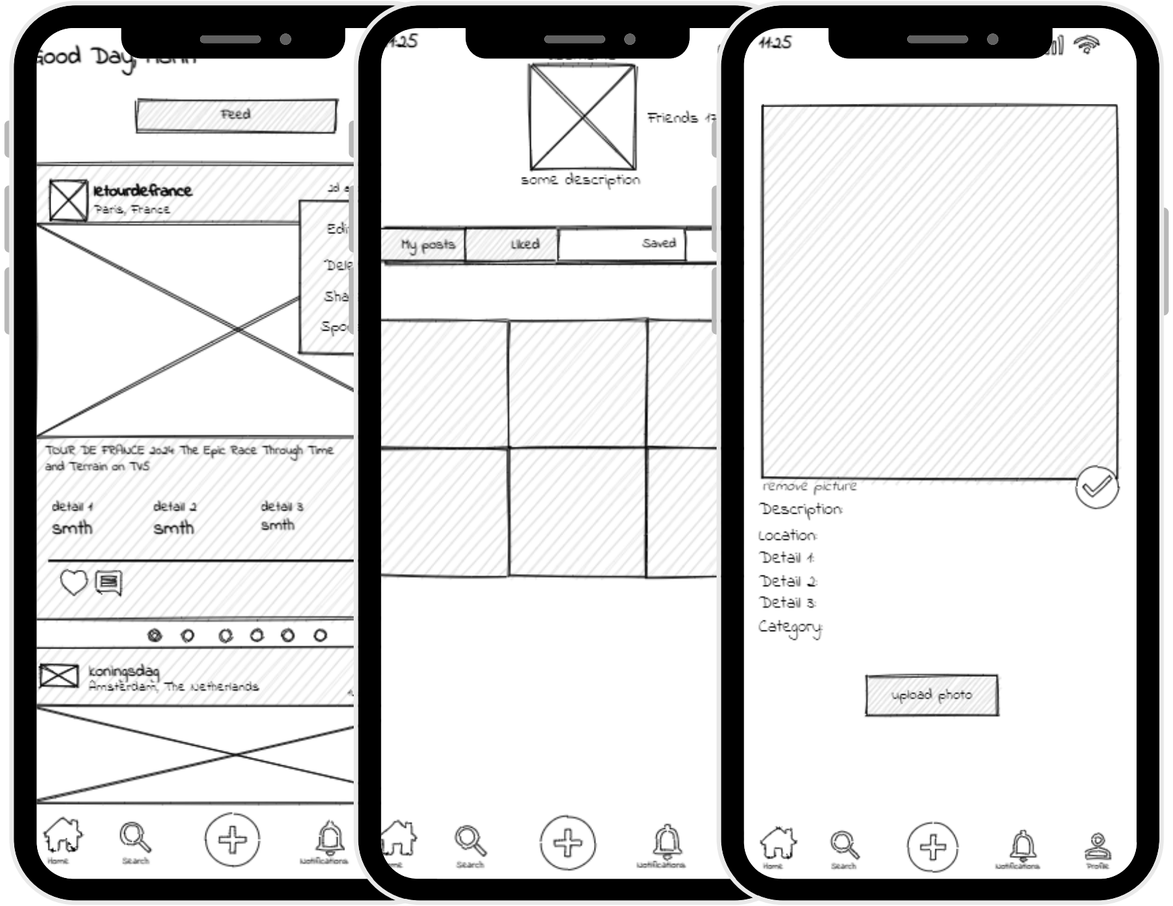
Prototype Report

Sprint 1

24-05-2024

Note-Bridge



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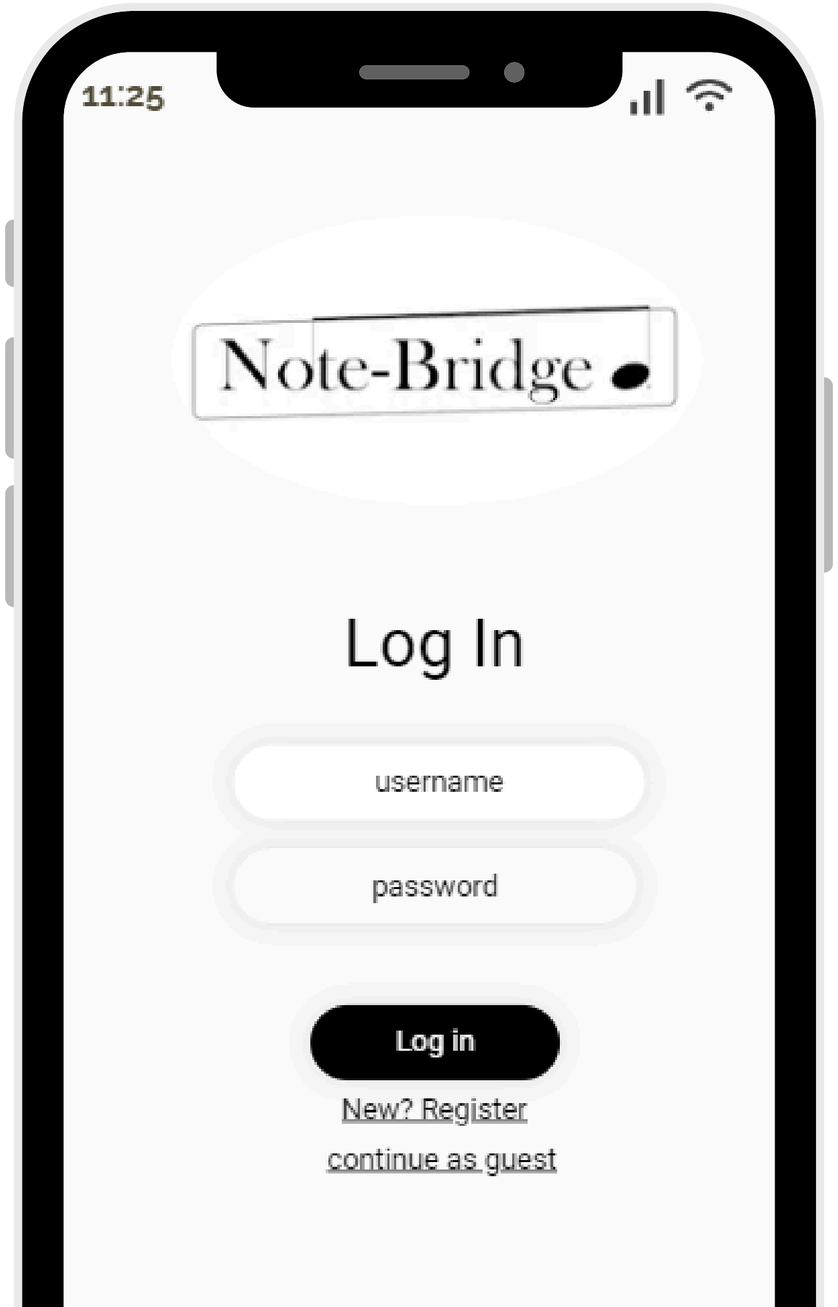
Log-in page

What is it?

The Log In page features a clean interface with input fields for username and password, and buttons for logging in, registering, or continuing as a guest. The logo at the top enhances brand recognition, while the buttons offer clear entry points for different users.

Technically...

Upon successful authentication, the application navigates the user to the main page, while new users can easily access the registration page. The option to continue as a guest provides flexibility, catering to users who may not wish to create an account immediately.



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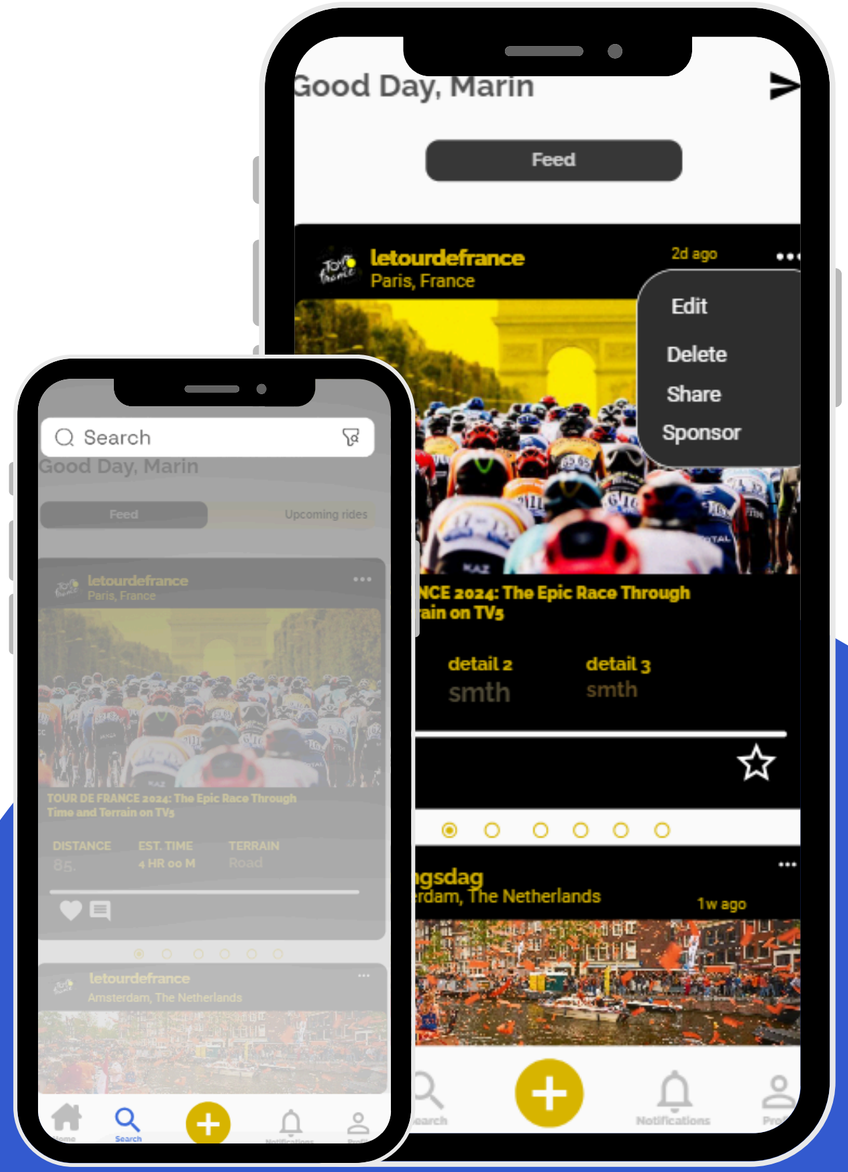
Main page



The Main Page is designed to serve as the primary interface where users interact with content posted by others. The layout follows a card-based design, displaying posts with various details such as the location and specific information provided by the user. Each card includes options to edit, delete, share, or sponsor the post, enhancing user engagement and interaction.

Technically, this page functions by retrieving data from the backend, where user posts are stored. The application utilizes RESTful APIs to perform CRUD (Create, Read, Update, Delete) operations on posts. This design ensures that users can dynamically interact with the content without needing to refresh the page.

Search bar

The Search Page is designed to help users find posts or other users efficiently. The search bar at the top of the page is the focal point, allowing users to input queries. The design also includes options for filtering search results based on the category of the post, which helps users narrow down their search to more relevant results.

From a technical standpoint, the search functionality relies on an indexed database to quickly retrieve relevant results based on user input. Elastic search or similar technologies can be employed to enhance search performance and accuracy. The filtering options are implemented through query parameters that modify the search criteria, ensuring that the backend returns only the most pertinent results.

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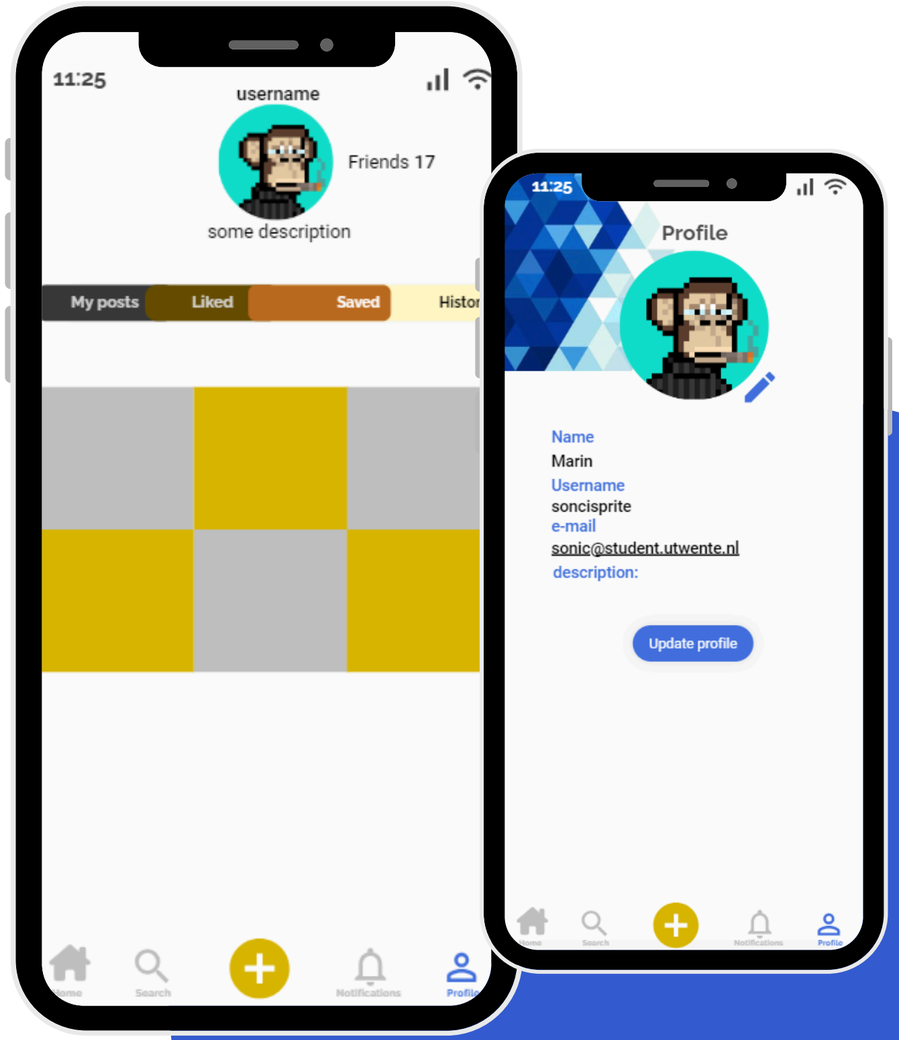
Profile page

The Profile Page offers users a comprehensive view of their activity within the application. It is divided into sections such as 'My Posts,' 'Saved,' 'History,' and 'Liked,' allowing users to easily navigate through their content. The design emphasizes a clear and organized layout, making it easy for users to manage their profile.

Technically, this page aggregates data from various parts of the application to provide a unified view of the user's activity. APIs fetch data related to the user's posts, saved items, browsing history, and liked content. The front end dynamically updates to reflect any changes, providing a seamless user experience. User-specific data is securely stored and retrieved, ensuring privacy and data integrity.



Profile settings page

The Profile Settings Page allows users to update their personal information, such as username, name, email, and description. It also provides options to change the profile picture, enhancing the customization aspect of the user experience.

Technically, updating user information involves making authenticated requests to the backend to modify user data. Validation mechanisms ensure that the new data meets the required standards before it is saved. Profile picture uploads involve handling file uploads securely and storing images in a way that they can be efficiently retrieved and displayed. The design ensures that changes are reflected immediately, providing feedback to the user that their updates have been successfully applied.

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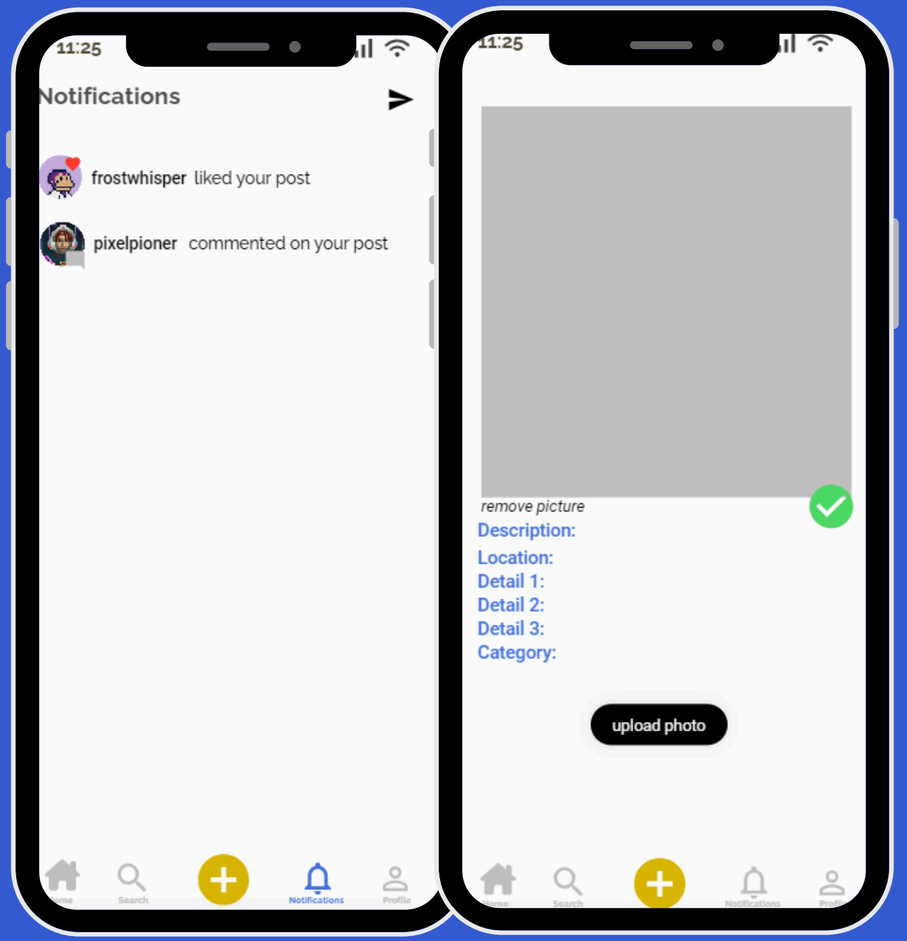

Notification page

The Notification Page keeps users informed about activities related to their posts, such as likes and comments. The design is straightforward, presenting notifications in a list format with relevant icons and user information to provide context for each notification.

In technical prespective, this page relies on real-time data updates to ensure users are promptly notified of new interactions. WebSockets or similar technologies are used to push notifications to the front end as they occur. The backend tracks user interactions and generates notifications, which are then delivered to the user's device.

Post Creation page

The Post Creation Page is where users can upload new content. The design includes a large area for uploading a picture and fields for entering details about the post. Once the user is satisfied with their input, they can click the green tick button to submit the post.

From a technical perspective, this page involves handling file uploads and data submission securely. The image file is uploaded to the server, where it is processed and stored. Associated metadata, such as the post description and location details, are saved in the database. The backend ensures that the data is validated and stored correctly, while the front end provides feedback to the user that their post has been successfully created.

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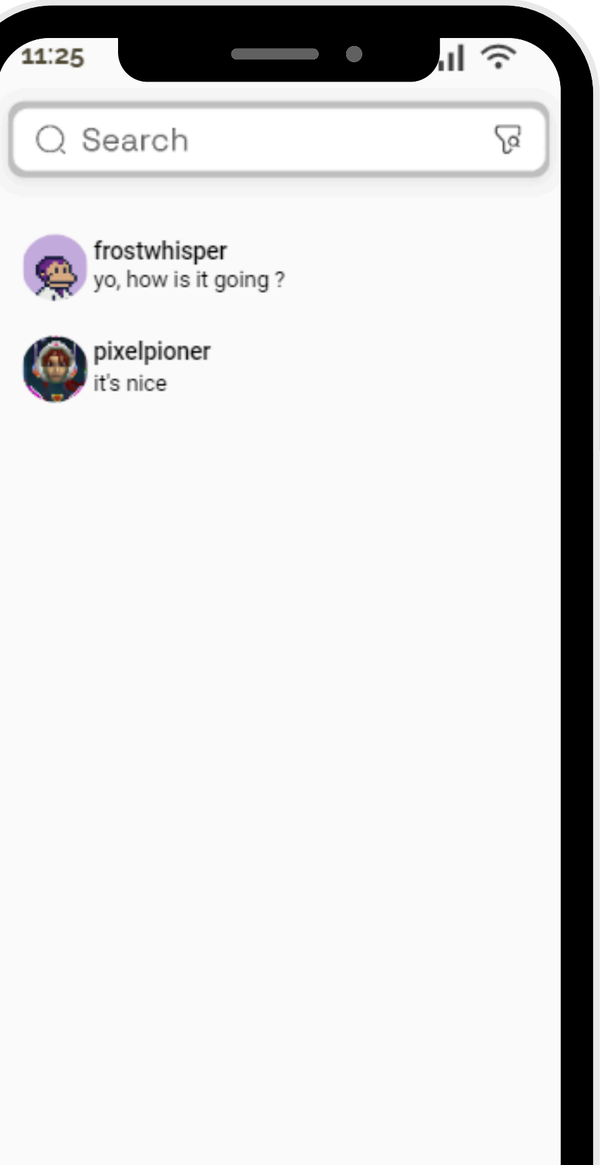

Direct Messages Page

The Direct Messages Page facilitates private communication between different musicians to communicate their experiences and ideas with each other. The design is similar to a typical messaging app, displaying conversations and allowing users to send and receive messages.

Technically, this feature relies on real-time communication technologies such as WebSockets to provide an instant messaging experience. Messages are stored in a database, ensuring they can be retrieved and displayed in the correct order. The design prioritizes ease of use, ensuring that users can quickly navigate their conversations and send messages efficiently. Security measures such as end-to-end encryption can be implemented to protect user privacy.