Android Project Record Store

Concepteur Développeur D'Applications

GRETA – Vannes

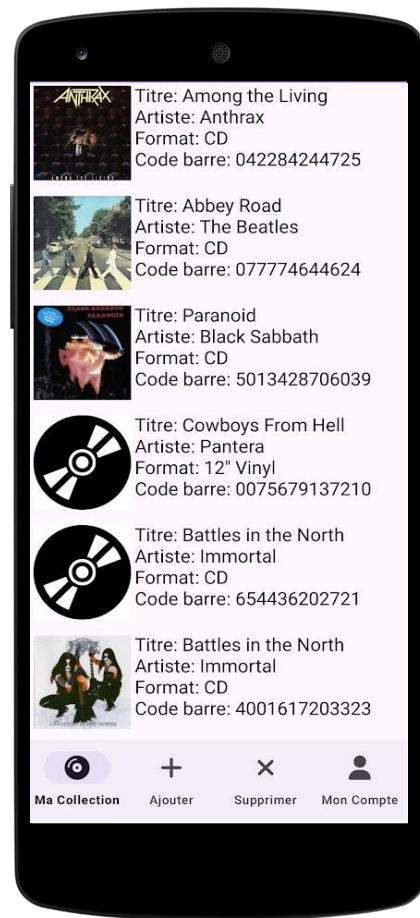Emmanuel Le Mouëllic

Record Store

How many CDs and vinyl records do you have on your bookshelves or in your CD cabinet? Record Store is an app designed to help you organize your music. Simply scan the barcode to add your favorite albums to your personal collection. No more hesitating before purchasing an album, with a quick look at your phone, you can check your manager to see if you already have that piece in your collection. It's simple.
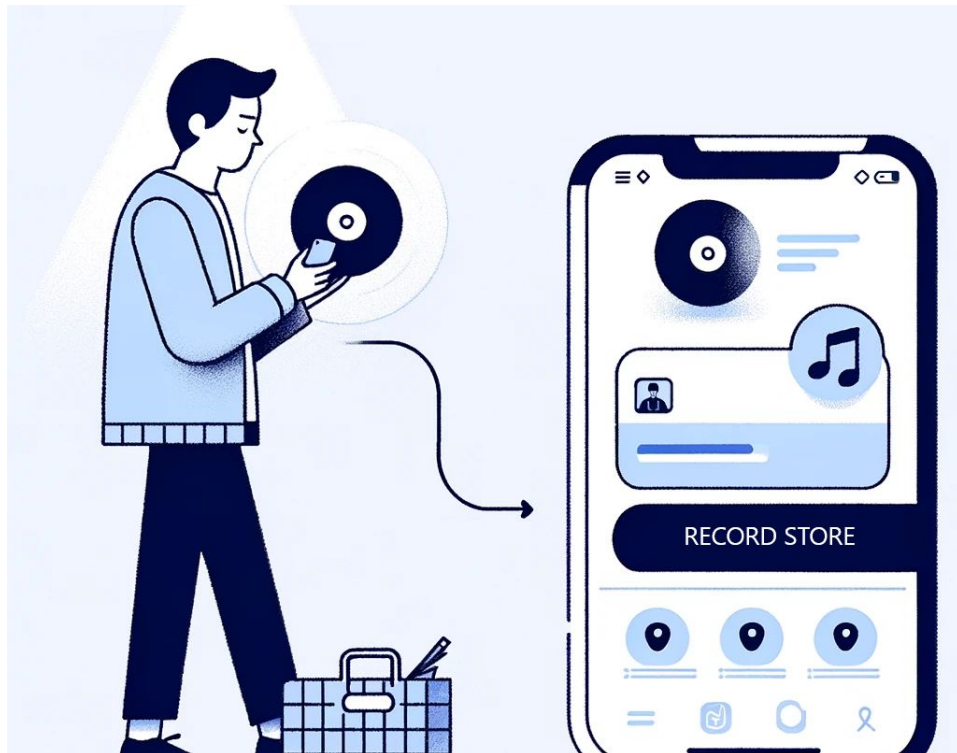
Processing

--- --- ---

Users can add an album by using the "Ajouter" button and referencing the barcode through scanning or manual input. The "Supprimer" button allows them to remove an album after clicking an alert popup to confirm the choice. The "Ma Collection" section retrieves data from the Firebase database to display it graphically to the user. The "Mon Compte" section is used to detach the Google account from the app.

Titre: Among the Living
Artiste: Anthrax
Format: CD
Code barre: 042284244725

Titre: Abbey Road
Artiste: The Beatles
Format: CD
Code barre: 077774644624

Titre: Paranoid
Artiste: Black Sabbath
Format: CD
Code barre: 5013428706039

Titre: Cowboys From Hell
Artiste: Pantera
Format: 12" Vinyl
Code barre: 0075679137210

Titre: Battles in the North
Artiste: Immortal
Format: CD
Code barre: 654436202721

Titre: Battles in the North
Artiste: Immortal
Format: CD
Code barre: 4001617203323
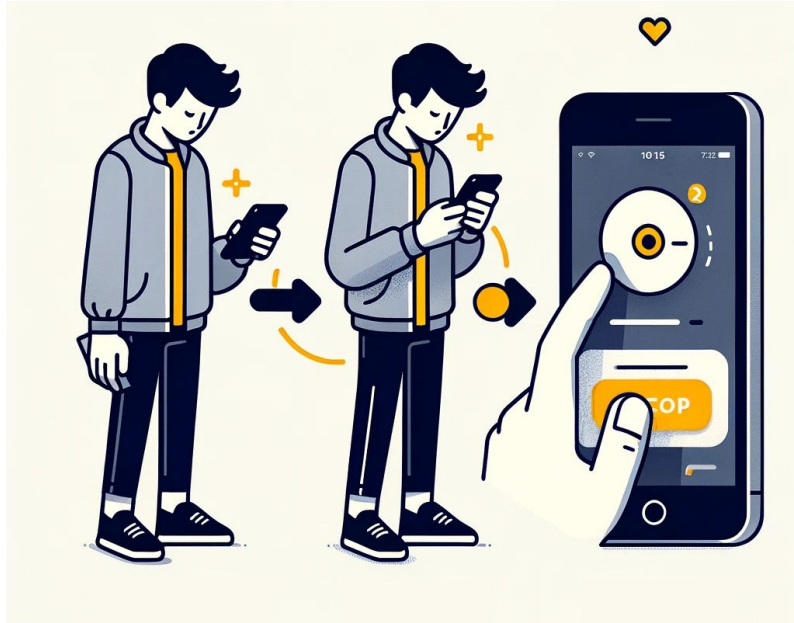
Ma Collection | Ajouter | Supprimer | Mon Compte
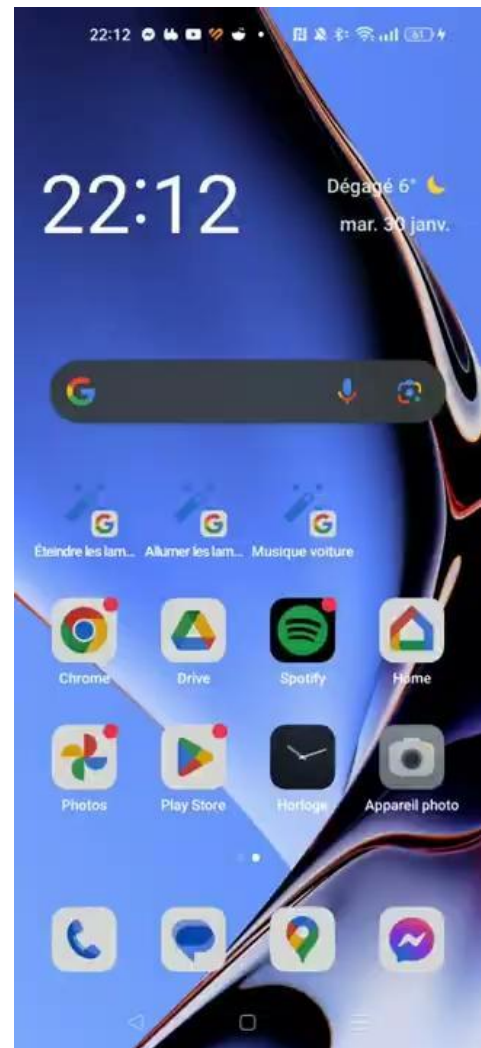
User Story

As a 28-year-old music enthusiast named Nicolas, I want to efficiently manage my music collection. I desire a system that allows me to easily identify the albums present in my CD cabinet. Additionally, when I visit the FNAC Store, I want assurance that I won't accidentally purchase an album I already own. This way, I can enhance my overall music management experience and avoid duplicates in my collection

Functional approach

In this video, you can see an album being scanned by the phone camera. The user adds it to his collection, and afterward, he can manage it by removing the album.

Technologies

I use Firebase API to authenticate user and stock their medias in the database. MusicBrainz API provides information about album (title, artist, format, cover picture and barcode).

Firebase API

Android IHM

MusicBrainz API