

The Curly Bois Present

Record Collector

An App for Vinyl lovers.

Record Collector's Mission & Features

Mission: Record Collector aims to empower vinyl aficionados by providing an app that lets them track, grow, & appraise their collection.

Features



Search for Albums

Search for albums and find relevant info (ie. artist, songs, prices) and feel old when you see the release year.



Track the Collection

Track and rank your expanding album library collecting dust by selecting "Add to Collection."



Maintain a Wishist

Maintain a robust wishlist to let your loved ones know what to get you instead of socks and underwear.



Appraise Collection

Estimate the value of a record or the collection so you can decide when to sell and switch to Spotify.

MVP I: The Birth of a Giant

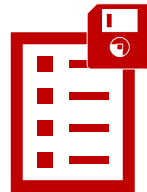
Rome wasn't built in a day and neither was the greatest vinyl app in existence. The Curly Bois have developed the following MVP features:

MVP Features



Find One Record

Find a single vinyl album and related info based on a limited search criteria.



Create a Collection

Create a simple list of the records that you own without the ability to rank your favorites.



Appraise a Record

Estimate the value of a single record while using pen and paper to figure out a collection's value.

Slack - The fourth Team Member

Collaboration over Slack proved critical with team members having to attend remotely 3 out of the 4 days.

Approach & Responsibilities

The team used a divide and conquer approach when delegating the work by first identifying the major components and then assigning them to team members based on expertise.

Zach “Hardcore Hardin”

- **Discogs’ Search API**
- **Collection Page**
- **Add to Collection Function**
 - **Firebase**

Aaron “The Vinylist”

- **Wikipedia API**
- **Artist Description**
- **Album Description**
- **File Formatting**

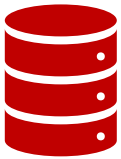
Emil “El Pablo”

- **Discog’s OAuth**
- **Front-end**
- **Search Function**
- **Suggested Price API**

The Tech Magic Behind the Scenes

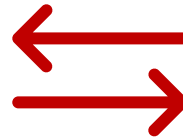
The team leveraged immense tech knowledge (~2 months) to bring Record Collector to life (none of the 3 APIs were hurt in the making).

Technical Challenges



Data Quality Issue

Discogs' API returned inconsistent data forcing the team to limit the app's search parameters.



API Issues

The Ebay & Amazon APIs refused to work so the team had to dynamically create code to use Discog's suggested price API.



OAuth Trouble

The team had to figure out how to pass a key & a secret as Discogs API requires developers to use OAuth.

Bug? You mean feature!

The Curly Bois have identified improvements for MVPs 2 through 100. Immediate improvements will include the following:

Future Improvements



Dynamically Add Artist

Search function requires title & artist due to Discogs' API not returning an "Artist" value. Team will find a way to add the artist.



Include the Wishlist

The team will work on developing the wishlist capability for the app so users can keep a list of their most desired albums.



Display Collection's Value

Create a function that calculates & displays cumulative prices of all albums so vinyl collectors can track the market value.