

Our customer, Strictly Analog, is a music merchant that sells collectible vinyl, 8-tracks, and cassette tapes. We will create a web store for them which will allow customers to search and browse the shop's musical inventory. The landing page of the site will display a selection of items from the Strictly Analog inventory. The user will have the option of various search filters to retrieve matching items from the database, or to simply browse the store's collection. After browsing, a user can add items to a shopping cart, check out and receive a confirmation email. We will design the user interface using a clean, modern, and uncluttered aesthetic, and implement a third party payment solution.

Functional Requirements

1. Shopping Cart Functionality Requirements
 - It is a persistent collection of user selections
 - Add Products
 - Add multiples, if in stock
 - Add 1
 - Delete products from shopping cart
 - Clear contents
 - Delete 1 item
 - Modify quantity
 - Display Contents
 - Display selections
 - Links to full product details
2. Place orders
 - Review items
 - Link back to shopping cart view to edit items
 - Order form
 - User enters name, address, payment info
 - Third-Party payment integration with Swipe
 - Submit
 - Update database quantity
 - Confirmation emails to customer and company
3. Site Design
 - Landing page displays "hot" items
 - Navigation links to shop, about, contact, home
 - Thumbnail of album art on search result screen,
 - Click on thumbnail to view full breakdown of details
 - Display of products matching searches
4. Search Query
 - Offer search options:
 - Artist
 - Album title
 - Genre
 - Format

- Condition
- Year

5. Product Details to record:

- Genre
 - Rock
 - Pop
 - Alternative
 - Country
 - World
 - Hip-Hop
 - R&B
 - Classical
- Artist
- Album Name
- Condition
 - Poor, medium, good, immaculate
 - Display icons/logos and colours for UI search output
- Media Type
 - 8-track
 - Cassette
 - Vinyl
 - Wax press
- Photograph of each item
- Year produced

6. Search/Browse Result Interface

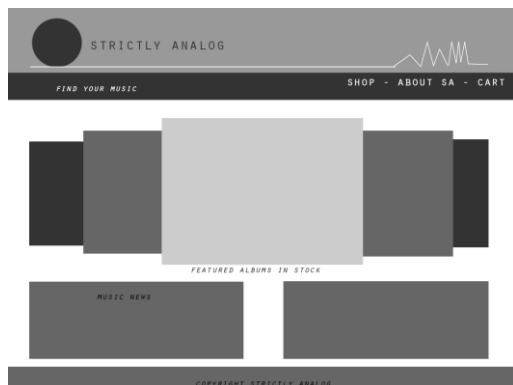
- Matching products returned in grid
 - Product represented with album art
 - Product details displayed with icons
- Click product for full information

7. Nice to have if time allows

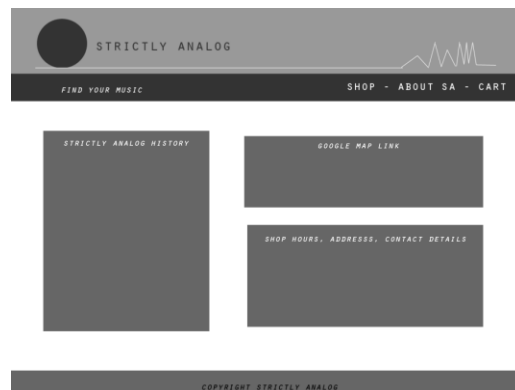
- Request albums
- Bounties on an album
 - Customer to customer connections
 - Customer to business connections
 - Buy record estates from folks.
- Swag store
- Suggested items
- Additional product detail of a sound sample
- Additional info about artist like bio, concerts

Non-Functional Requirements

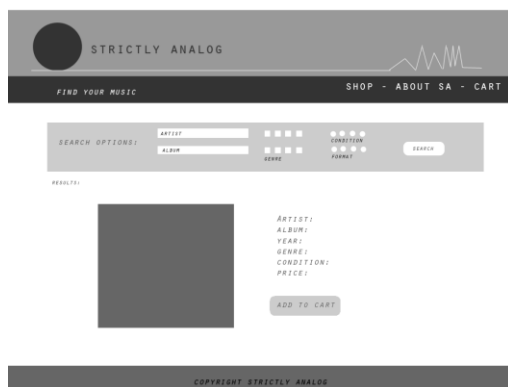
- Web Server - Docker Container
- Database – MySQL, MariaDB
- Middleware/Database Scripting – PHP
- Platform – Linux
- Front End – multiplatform, web-based, HTML, CSS, JS
- Third-party Payment - Stripe
- Response Time
 - No longer than 2 mississippi's
- User Interface
 - Design is simple, clean, and uncluttered
 - Choose a colour palette from an existing image using online color selector tool
 - Intuitive and easy to use layout
 - Typography is legible, and gives easy readability on both monitor and device
 - Strong typographic hierarchy enforced
 - Sample Wireframe options on following page:



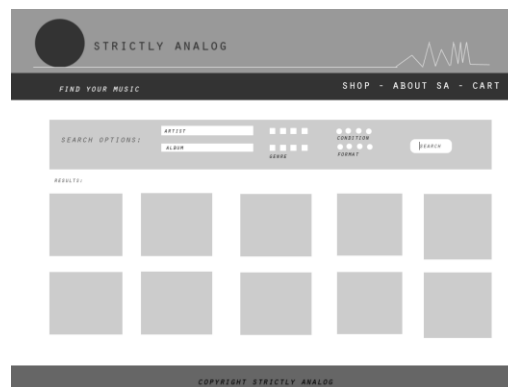
Landing Page



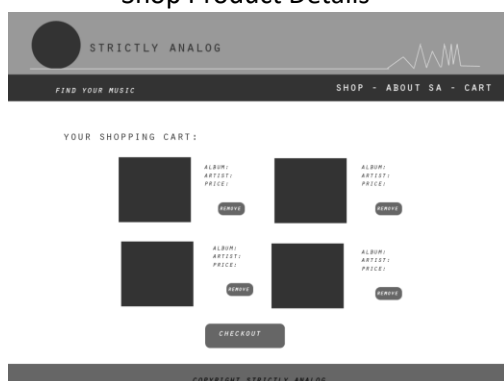
About Page



Shop Product Details



Shop Browse and Search Screen



Shopping Cart View