Live to Rock

Cassidy, Traigh, Jacob, Kc

Team member & client information

Traigh Scott

    Game dev. concentration

Cassidy Alcorn

    Cybersecurity concentration, French minor

Jacob

    General CS/Undetermined concentration

Kc

    Game dev. concentration, English minor

Client

    Michael

        Former Ball State Student, currently residing in Georgia. Music has always been a big part of his life. Got into pharmaceuticals, specifically relating to cancer patients. Started another non-profit before this.

DESIGN ITEMS

Business Requirements

BR1: Increase website interactivity to serve as the basis for musically-inclined or music-loving cancer patients to form a community.
- Explanation: This is for a non-profit, so the project isn't motivated by a desire to generate profit or a service/etc., but rather a desire to create a community for people who have been affected in similar ways as the client, to develop connections and to find support.

Use Cases

Actors

- Client

  The client is the owner and will have access to all aspects of the website.

- Admins

  The admins have access to administrator actions which include approving requests, etc., but not sensitive information.

- Users

  The user group includes anyone with a registered account who can interact with the website as intended.

- Guests

  Guests are unregistered viewers of the site who have minimal allowed interaction.

- Advertisers/Sponsors

  Includes adspace, sponsor logos, etc.

Use Cases (cont.)

Use Cases

BR(1) UC(1) Forums: Post in the discussion forum "groupies"

- There is a section on the site called "groupies" where the client wishes people to be able to discuss music-related topics in a discussion forum. Users should be able to make posts in this section.
- **Actors:** Users (Client, Admins)
- Open "Groupies" -> Navigate to "Create Post" -> Write Post -> Submit Post

BR(1) UC(1.5) Forums: Interact in the discussion forum

- Users should be able to comment under other users' forum posts and react to them.
- **Actors:** Users (Client, Admins)
- Open Forum Thread -> Read Post(s) -> (1) Write Comment -> Post Comment -> (2) Select Reaction Button

BR(1) UC(2) Calendar: Add events on site calendar

- Functionality needs to be re-added to the site's calendar so that the client can display events, which can be added by admins (in later iterations, sent for approval to be added by Users).
- **Actors**: Client, Admins (Users)
- Fill Out Calendar Form (-> Form is Sent for Approval -> Form is Approved) -> Form Details are Converted to Calendar Event

Use Cases (cont.)

Use Cases

BR(1) UC(3) Blog: Make blog posts

- Client wants to be able to maintain a blog on the website, so there should be functionality to create blog posts.
- **Actors:** Client, Admins
- "Create New Blog Post" -> Write Blog Post -> Submit Blog Post

BR(1) UC(4) Videos: Upload videos to site

- People should be able to embed YouTube videos to the site
- **Actors:** Users (Client, Admins)
- Acquire Video Link -> "Embed" -> Call YT API -> Video is Displayed

BR(1) UC(4.5) Videos: Comment on uploaded videos

- Users should be able to comment on site on the videos that other users upload
- **Actors:** Users (Client, Admins)
- User Views Video -> User Comments

BR(1) UC(5) Revenue: Generate revenue for website from ads/merch

- Client would like to support the website's hosting etc. with revenue from ads, merch, and sponsorships, which includes selling ad space, merch, and sponsor space.
- **Actors:** Advertisers/Sponsors
- (1) Ads Present -> Users See Ads When Loading Site
(2) Merch Advertised -> Users Follow Link to Merch Site -> Merch Bought
(3) Sponsors Pay for Logo Space

Use Cases (cont.)

Use Cases

BR(1) UC(6) Live Performance: View live streamed content

- Client would like site users to be able to view live streamed content from the website.
- **Actors:** Users (Client, Admin)
- Load Page -> Load Respective API -> Load Stream -> View Stream

BR(1) UC(7) Admin Functionality: Modify modules

- Client would like to be able to easily manage the website with a simple UI
- **Actors:** Client
- Open UI -> Presented with Options ->

BR(1) UC(8) Mobile Support: Viewable on mobile

- Client would like the mobile site to be improved to be more easily accessed on mobile devices and smaller screens.
- **Actors:** Users (Client, Admin), Guests
- Site is Opened on Mobile Browser -> Site Adjusts to Smaller Screen Size

BR(1) UC(9) Create Accounts: Create accounts

- Vital to implement a secure way to create new site accounts.
- **Actors:** Guests
- Create Account -> Go Through Account Creation Steps -> Security Check -> Account Created

Use Cases (cont.)

Use Cases

BR(1) UC(10) Comment Filtering: Filter comments before posted on site

- All comments anywhere on site should go through a filter before they posted successfully in order to prevent cross-site scripting, SQL injections, or use of derogatory language through a filter to disallow certain words and sequences
- **Actors:** Users
- Comment is Submitted -> Comment is Reviewed for Certain Phrases/Patterns -> (1) If passed, posted -> (2) If not, not posted

BR(1) UC(11) Usability: Navigate easily

- Site should be easy and simple to navigate so that people can spend more time fostering community instead of figuring out how the Internet works
- **Actors:** Users (Client, Users)
- Open Site -> Wow so Easy -> Interact

Functional Requirements Pt. 1

- UC9 F1: Any User can interact with website (high priority)
- UC4 F2: YouTube videos can be watched through the website (high priority
- UC10 F3: Spam/Scam bots are unable to interact with the website (high priority)
- UC9 F4: Users can verify via Plug In and account creation (high priority)
- UC7 F5: Admins can post to Tour Schedule (medium priority)
- UC7 F6: Admins can post to Backstage Pass (medium priority)
- UC7 F7: Admins can post to Jam Session (medium priority)
- UC7 F8: Admins can post to Liner Notes (medium priority)
- UC7 F9: Admins can approve or deny Verified User requests (medium priority)
- UC1.5 F10: Verified Users can post on Groupies (medium priority)

Functional Requirements Pt. 2

- UC1.5 F11: Verified Users can post on Life Performances (medium priority)
- UC1.5 F12: Verified Users can post comments (medium priority)
- UC1.5 F13: Verified Users can like and/or love posts on website (medium priority)
- UC10 F14: There is a filter for comments and Groupies (medium priority)
- UC5 F15: Print on demand merch page (medium priority)
- UC5 F16: Sponsor page / advertisements / fundraisers (low priority)
- UC5 F17: Filter ads (low priority)
- UC8 F18: Mobile Support (low priority)
- UC6 F19: Live Concert support (low priority)
- UC2 F20: Verified Users can request things to be put on the Tour Schedule, Liner Notes, Backstage Pass, and Jam Session (low priority)

Non-Functional Requirements

- UC7 NF1: Modifiability, able to easily maintain, change, enhance, and restructure.
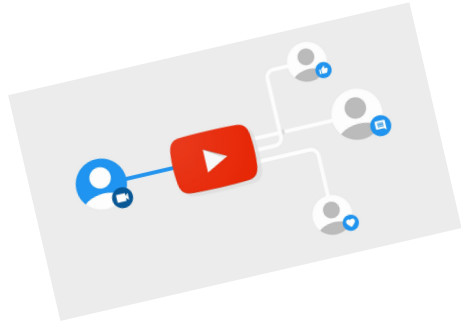   - High Priority
- UC10 NF2: Protection against scammers, spammers, and hackers.
    - High Priority
- UC11 NF3: User usability, easy to learn/use system.
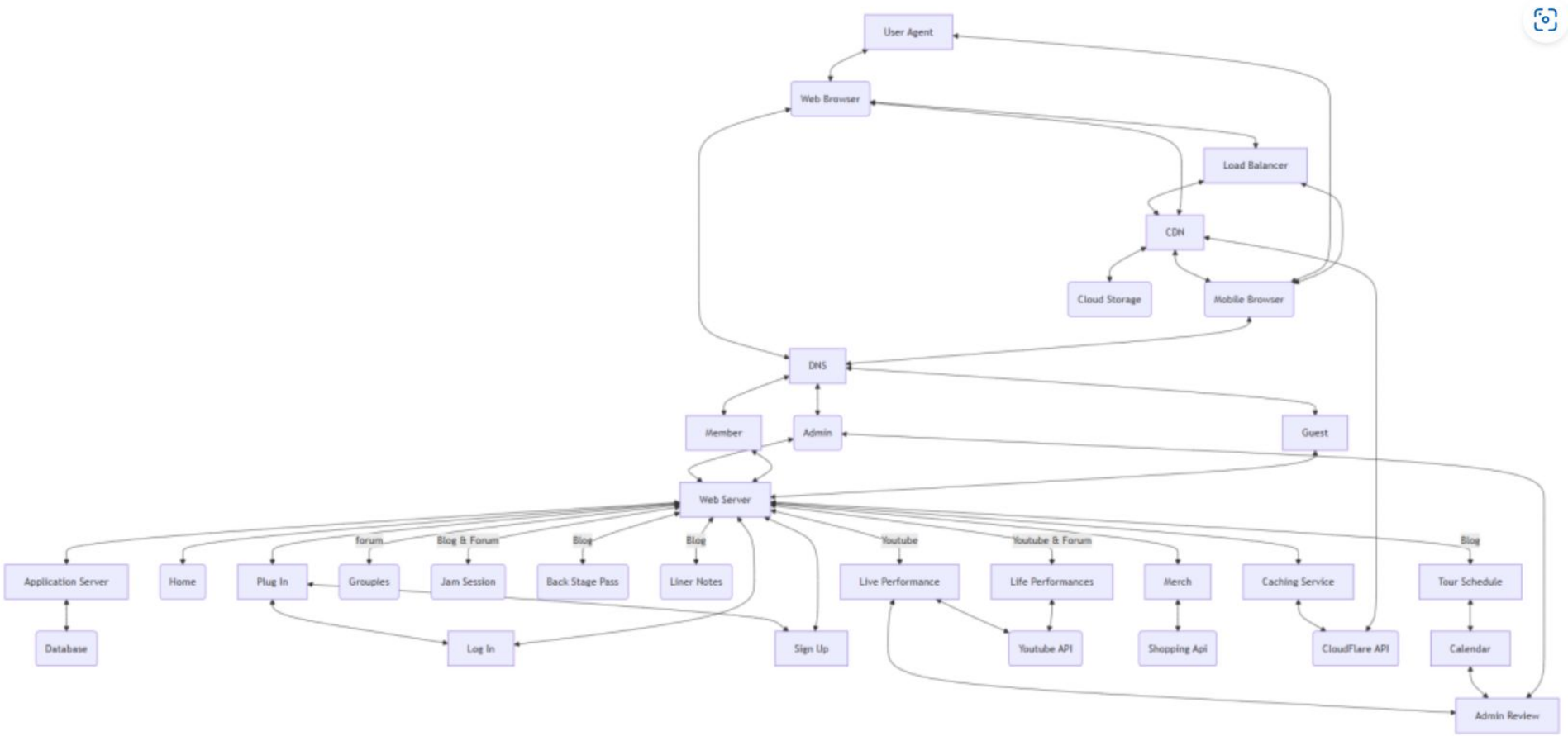   - Medium priority

Domain Model

TechStack

Html, CSS, Javascript, YT API, Some Soundcloud/Spotify API Database SQL, Node.js, JQuery
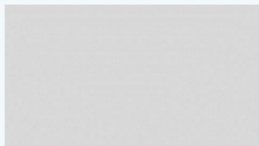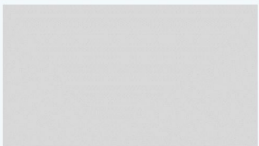
Architecture

Panel 1 — Home

"Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything" – Plato

Live To Rock!

Our purpose is to have a positive impact in patient's lives. We want to be a catalyst and inspiration for patients to live their passion. Our mission is to build a community of musicians and artists who are battling cancer and other life-threatening diseases and provide a platform to express themselves, share experiences, entertain, and connect with their love for music. Whether you are a patient who sings in the shower, plays an instrument for fun or are an accomplished musician, we invite you to join our community. If you are a music fan and/or care giver, we invite you to support these artists with your love and encouragement.

Patients can share their video or pictures of a live performances, on our "Life Performance" page. Heart your favorites! The "Groupies" section is a forum where everyone can read and share thoughts and ideas. Our blog page is called "Jam Session" where we cover a variety of topics. "Back Stage Pass" is a podcast with cool commentary and interviews. There are links to many resources and organizations on our "Liner Notes" page and a calendar of upcoming events on our "Tour Schedule" section. You can contact us by choosing "Fan Mail" from the menu or sign up to volunteer by choosing "Join the Band".

Panel 2 — Life Performances

Life Performances

Live your life out loud! Share your performance! Tune in, tune up and play!
We love all types of music, and no matter what level of talent you have,
YOU ARE GOOD ENOUGH TO POST!
Send us your video or youtube link.
Check out these amazing performances!

I AM A YT VIDEO — ♥ 10k 👍 410   ▽ Comments

I AM ANOTHER YT VIDEO — ♥ 20 👍 2m   ▽ Comments

I AM A YT VIDEO — ♥ 1k 👍 22   ▽ Comments

I AM ANOTHER YT VIDEO — ♥ 1m 👍 24k   ▽ Comments

Panel 3 — Groupies

Groupies

We all love music! Let's get together! We all have so much in common and so much that makes us unique. Come here to support each other. Let's keep topics and discussion related to Life, Love and Music.

Community Rules

○ **Be Respectful**
We're all in this together! Always be kind and show compassion. We won't always agree all the time, but we can disagree in a respectful way. Any form of harassment is not acceptable.

○ **Be Considerate**
We're all here to share our passion for music. Remember, words are powerful.

○ **Be Inclusive**
We welcome people of ALL backgrounds and identities. Bullying or exclusionary behavior will not be tolerated.

○ **No Promotions, Spam, or Affiliate Links**
Give more than you take. Self-promotion, spam, and affiliate links are not allowed.

Please Login or Register to create posts and topics.

Forum

① 1.4m **THIS IS A FORUM POST!!!!!!** 🔴 Announcement   ◉ An_epic_user
1 Comment
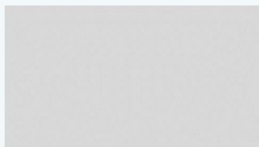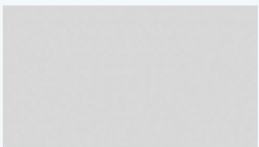♥ 5 **Meaningful Comment**   ◉ Another_user

<< < > >>

COMING SOON!
Stay Tuned!

Back Stage Pass

Lets' go Back Stage and hear from artists, patients, care givers, and other personalities on anything music related. We will cover a variety of topics. If you would like to request a topic or share your story, contact us here: **"Fan Mail"**

Tour Schedule

This is our page of upcoming events. Our goal is to share relevant events and happening in communities share relevant If you would like to share an event happening in your community, contact us here: **"Fan Mail"**

Calendar Not Found: The requested calendar URL was not found. Please contact the website owner.

Calendar

COMING SOON!
Stay Tuned!

Jam Session

This is our blog page where we will cover a variety of topics. If you would like to comment on a blog, register here: **"Plug In"**. If you would like to request a topic or post a story, contact us here: **"Fan Mail"**

Mar 1
Example Title of Blog Post Number One
By John Doe

There's something magical about live music that just can't be replicated. It's the electric energy that fills the air, the buzz of excitement as the lights dim, and that moment when the first note hits and you feel it in your bones. If you're looking for a way to kick off your weekend, why not immerse yourself in the vibrant world of live performances?

This weekend promises some fantastic shows that are bound to get your heart racing and your feet moving. Picture this: it's Friday night, and you're at The Downtown Theater, surrounded by fellow music lovers, as The Groove Collective takes the stage. The infectious beats of disco music fill the room, and before you know it, you're dancing like nobody's watching. It's all about that shared experience—feeling the rhythm together, losing yourself in the moment.

Then, there's Saturday, where you can dive into the indie scene at The Corner Club. Mia Rivers, a rising star, is set to captivate the audience with her soulful melodies. There's something special about watching an artist pour their heart into a performance, and you'll leave the show with a sense of connection that only live music can provide.

And don't forget to unwind on Sunday at The Riverfront Park, where a free acoustic set by The Soundwaves awaits. Imagine lounging on a blanket by the water, soaking in the soothing tunes as the sun sets. It's the perfect way to wrap up the weekend, leaving you refreshed and inspired for the week ahead.

Example Picture

Apr 14
Example Title of Blog Post Number Two
By John Doe

There's something truly enchanting about experiencing live music outdoors. Imagine a warm evening, the sun setting on the horizon, and your favorite band taking the stage against a backdrop of swaying trees and twinkling stars. Listening to music in the fresh air adds a layer of magic that indoor venues just can't replicate.

This weekend, local parks and outdoor venues are bursting with musical energy, offering the perfect excuse to gather your friends and soak in the sounds of summer. Picture yourself sprawled out on a picnic blanket, the laughter of friends around you, as the first chords of a familiar tune fill the air. It's not just a concert; it's a celebration of community and good vibes.

One of the best parts about outdoor concerts is the atmosphere. The sounds of nature blend seamlessly with the music, creating a unique ambiance. Whether it's the rustling leaves or the gentle breeze, every note feels enhanced by the environment. Plus, there's plenty of space to dance, mingle, and enjoy some delicious food from local vendors.

As you sip your favorite drink and watch the sun dip below the skyline, you might find yourself lost in the moment, singing along with the crowd. There's an undeniable sense of connection—both to the music and to those around you. It's a reminder that music has the power to bring people together, creating shared memories that last long after the final note fades.

Example Picture

May 23rd
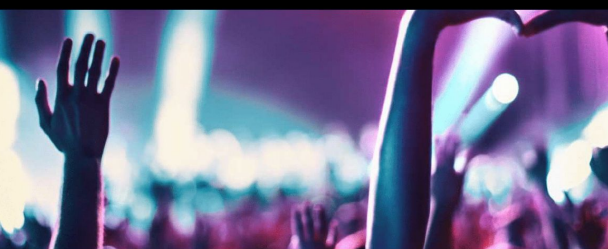### Example Title of Blog Post Number Three
By John Doe

Hey everyone! If you're looking for something fun to do this weekend, you won't want to miss the annual Local Music Fest at River Park. It's happening on Saturday from 3 PM to 9 PM, and it promises to be a fantastic day filled with great music and good vibes.

This year's lineup features a mix of local bands and solo artists, so there's something for everyone. Whether you're into rock, folk, or pop, you're bound to discover a new favorite. Plus, the park setting makes it a perfect spot to relax and enjoy the tunes.

Bring your friends, pack a picnic, and find a cozy spot on the grass. There will also be food trucks serving up delicious bites, so you can grab a snack while you soak up the atmosphere. And don't forget your sunscreen and a blanket!
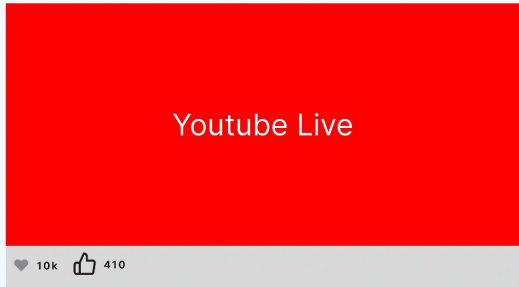
Live music has a special way of bringing people together, and this fest is a great opportunity to connect with your community. So, gather your crew and head down to River Park for a day of fun and fantastic music. We can't wait to see you there!

Example Picture

<<   <   >   >>

Join The Band   Fan Mail   My Account   Registration   Privacy Policy
Terms of Service

Copyright © 2024 Live To Rock   Designed By Robert

Live Performance

Nothing to show for now...

Youtube Live

♡ 10k   👍 410

Merch Page

This is where you can buy merch!

Example Listing (32 Pcs)
32.99$

Elevate your outdoor adventures with our high-crested safety whistle. Crafted from durable, lightweight materials, this whistle delivers a piercing sound that can be heard over long distances, making it perfect for hiking, camping, or emergency situations. Its compact design easily fits in your pocket or on a key chain, ensuring you're always prepared. Whether you're signaling for help or gathering a group, it's essential for combines functionality with reliability. Don't venture out without it.

Buy Now!

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First Iteration Features
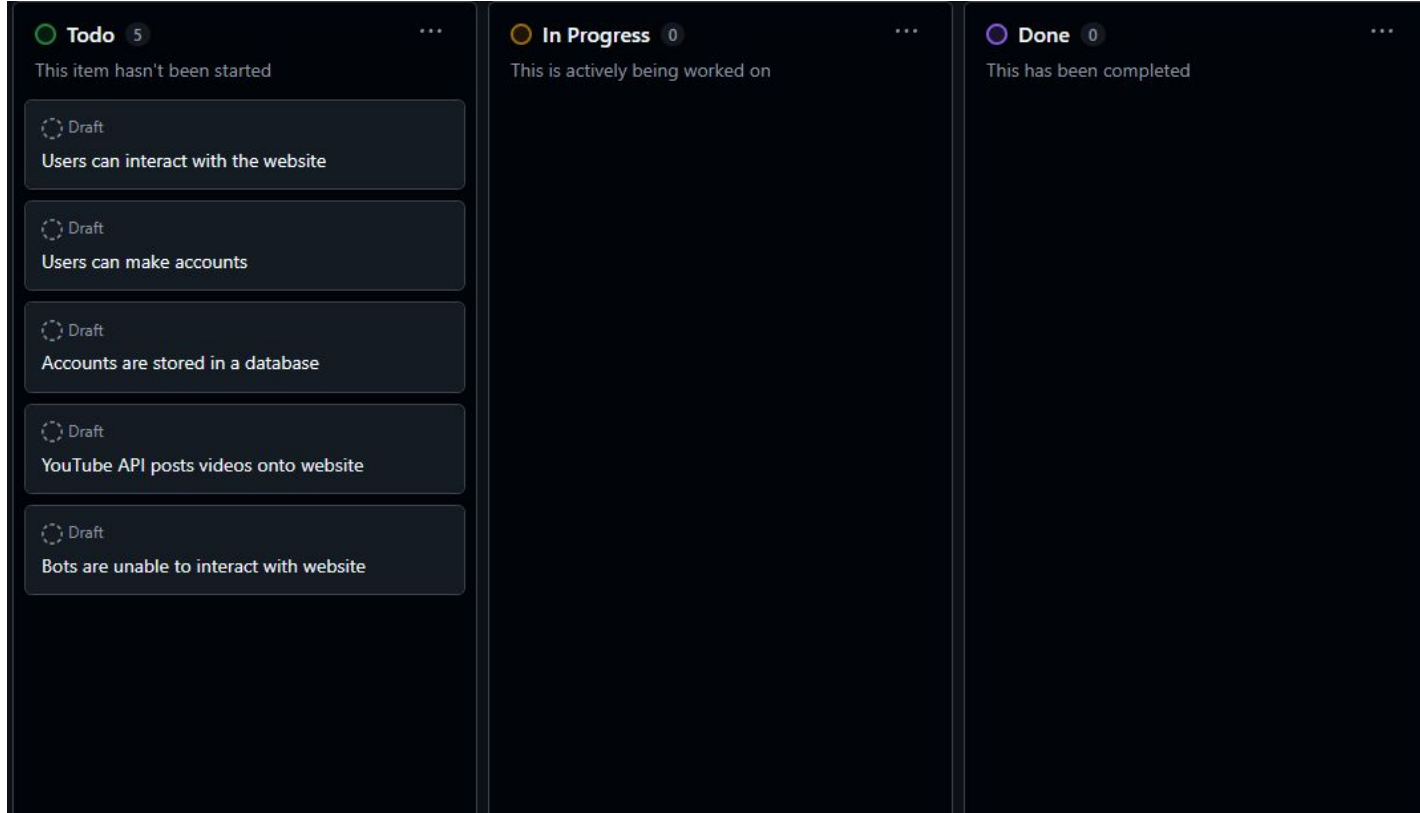
FEEDBACK

Mentor & Client Feedback

Mentor:

- Having a lot is a blessing and a curse
  - Have a lot to work on but probably won't be able to do all of it.
- Consider building our own API to host the live streams on the website

Client:

- He emphasized that we distilled the project very well.
  - Broke it down into understandable pieces.
- Feel free to let him know if there is anything we can substitute with.
  - Such as instead of building an API to host the live streams on, he will pay for one.
- Let him know what would be easiest in regards to merch and he will run with it.