



**Jiaji
Sun**

PORTFOLIO DESIGN

Sound stacked

SEP. 2018-JUN. 2019

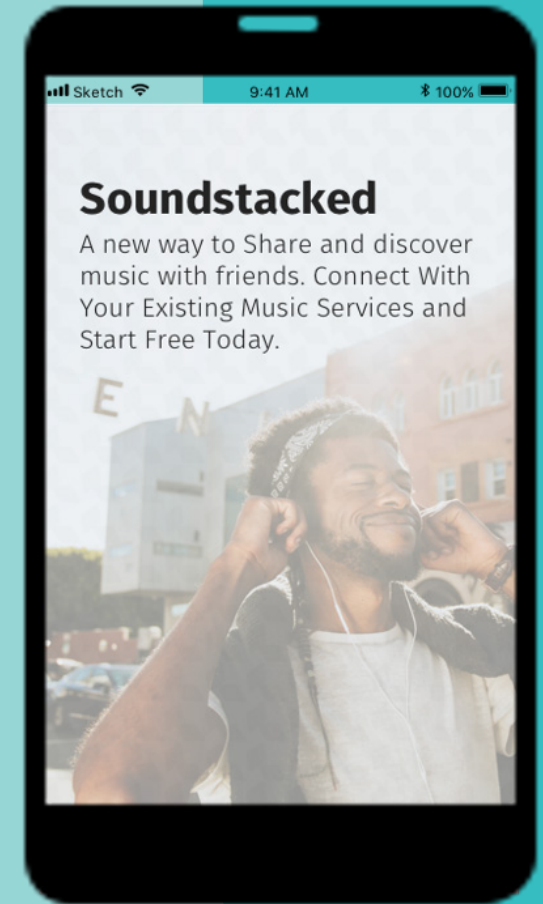
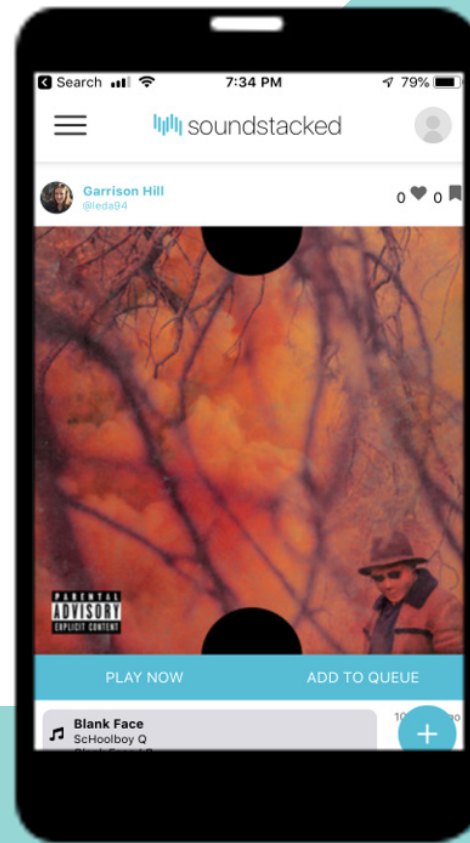
GROUP MEMBER:

Qibang Liu

Kyle Andrews

Jiaji Sun

Jonathan Harvey

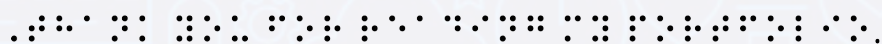
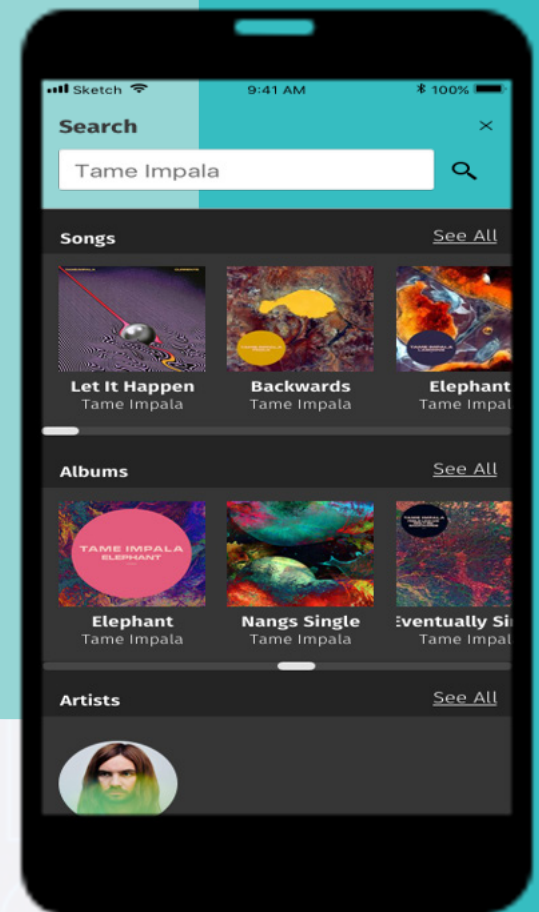
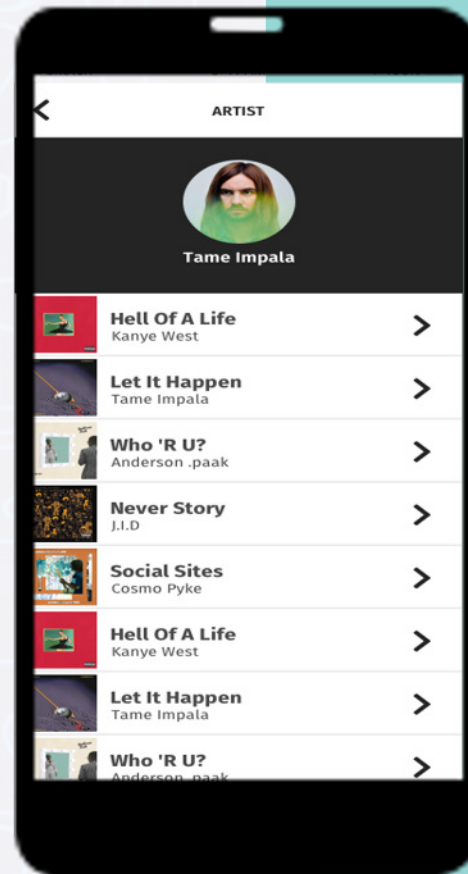


- The project was inspired by the lack of good music sharing and recommendation services as well as lack of social capabilities on existing music platforms.
- Soundstacked aims to create a full-featured social media platform for music sharing and discovery.
- It evolved from a prototype built for a class project.
- Soundstacked creates value for streaming service providers as they receive streams through the application.
- Users gain social interaction in their music discovery process.
- Our target audience is music streaming service subscribers who are also active on social networks.



WHAT

- Soundstacked is a free to use mobile application that links to your existing Spotify account. It will be available for both iOS and Android and was built using React Native.
- The fundamental concept of the application is to bring a social aspect to the music discovery process and to create a platform where users can integrate their existing music streaming service, allowing them to play all of the new music that they discover.
- This project is meant to be a minimum viable product prototype that will act as the basis for more iterations and feature development at a later time.



HOW

Front-End

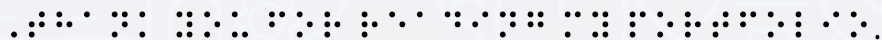
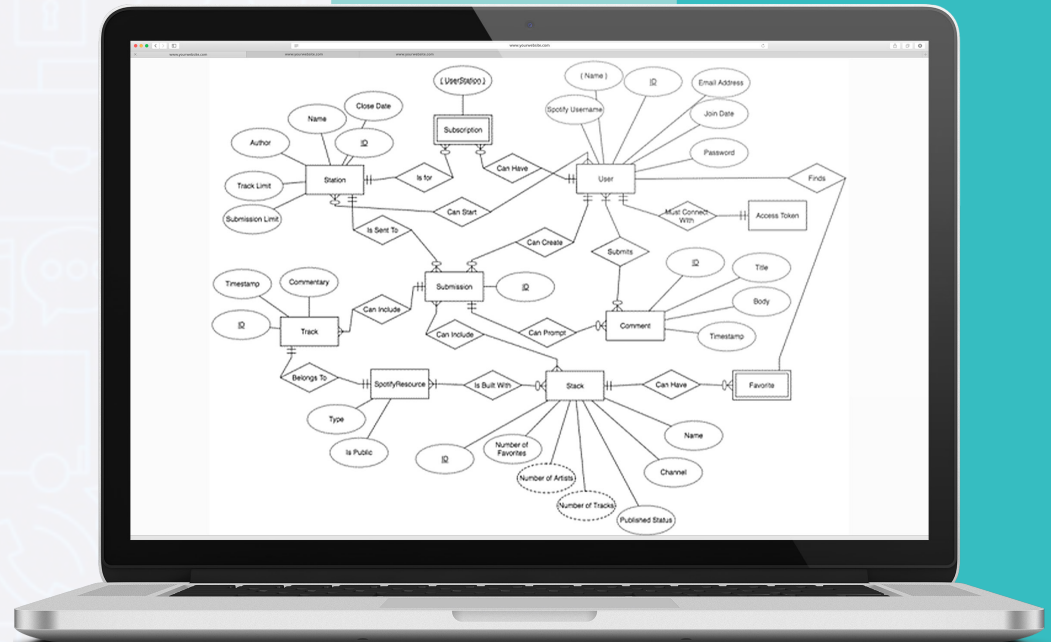
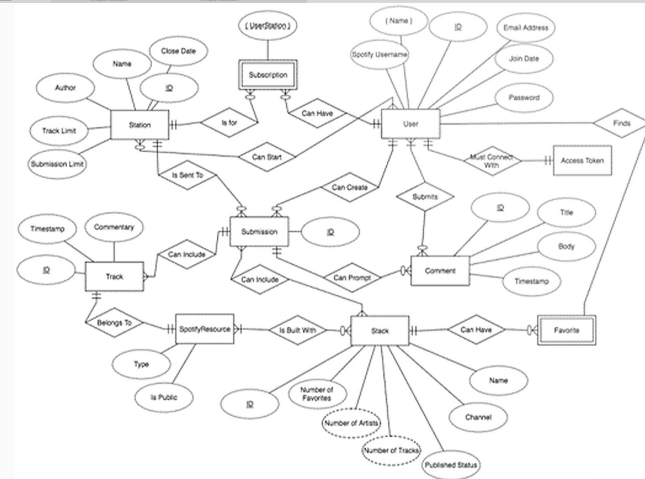
- The client application was built in React Native, a framework meant for building cross-platform mobile applications that work on both Android and iOS. The front-end makes API requests to the back-end and uses the API to handle interfacing with connected music services.

Back-End

- The API is built using Laravel, an API framework written in PHP. The codebase we built that underlies the API interfaces with connected music services and the database to handle actions that users take on the front-end and to act as a layer in between our front-end and persistence layers.

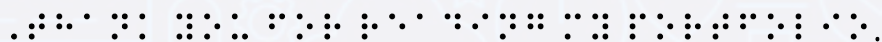
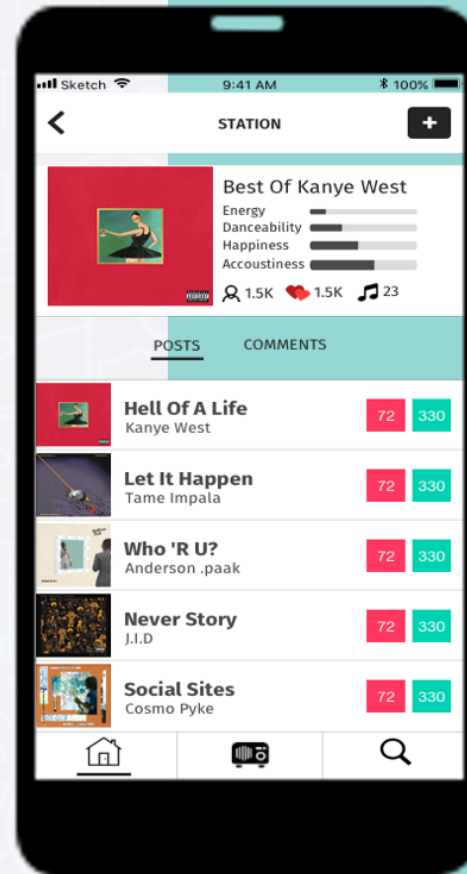
Docker

- Containerization with Docker was used for both the development process as well as to deploy the API and database.



WHY

- **Sponsored Content:** Paid promotions such as sponsored stations. Soundstacked would earn revenue by promoting these posts more heavily in search results.
- **Increased User Privileges:** Purchase premium user privileges, enabling cosmetic differences and voting on social posts to have increased influence.
- **Advertisements:** In post form throughout user feeds.
- **Selling Product To Music Services:** Streaming services like Spotify may be interested in having the platform as a proprietary offering, making a buyout possible.



HEALTH INSURANCE WEBSITE

SEP. 2018-DEC. 2019

GROUP MEMBER:

Katherine Jeffrey

Jiaji Sun

Dominic Wasko

Adam Puckette

People who suffer from ADHD have a much harder time keeping focus than others. They are very easily distracted, and can forget what they were doing when they become distracted sometimes. Many websites are not designed very well, and most of the important links are hidden under various submenus. A confusing or disorganized website would be much harder for a person with ADHD to navigate without getting lost or distracted, and a health insurance website is a perfect example. Many websites redirect you through a number of pages advertising the company while you are trying to sign up as well.



WHAT

For this project, we have chosen to design a website. We are going to be designing a health insurance website. Many people who have ADHD need to get medication and most people will need to sign up for their own health insurance plan at some point and if websites are not designed with usability in mind, they can be confusing for people to navigate even if they do not have ADHD.

Our group is using people with ADHD (Attention Deficit Hyperactivity Disorder) as our underrepresented population. Signing up for health insurance is something that almost everyone will need to do at some point, and many insurance websites are confusing to use with multiple links leading to the same place on every page. This is designed to keep redirecting you to sign up links to keep you on the website. Unfortunately this process can be very confusing to use, and usability can be improved a lot. These types of problems are made significantly more confusing and distracting for people with ADHD.



WHO

Based on the trait of people with ADHD. We created two personas for two different groups of people.

Underserved Persona



- Andrew is a 20 year old white male college student who lives alone.
- He has been diagnosed with ADHD as a child, but is not currently taking medication. Since he has recently become an adult, he is now ready to sign up for his own health insurance plan to help his parents save money.

Mainstream Persona



- Lydia is a 29 year old female.
- She works full time as a marketing and sales representative for an office supply store.
- Lydia has managed her own health insurance plan for several years, with the same insurance provider.

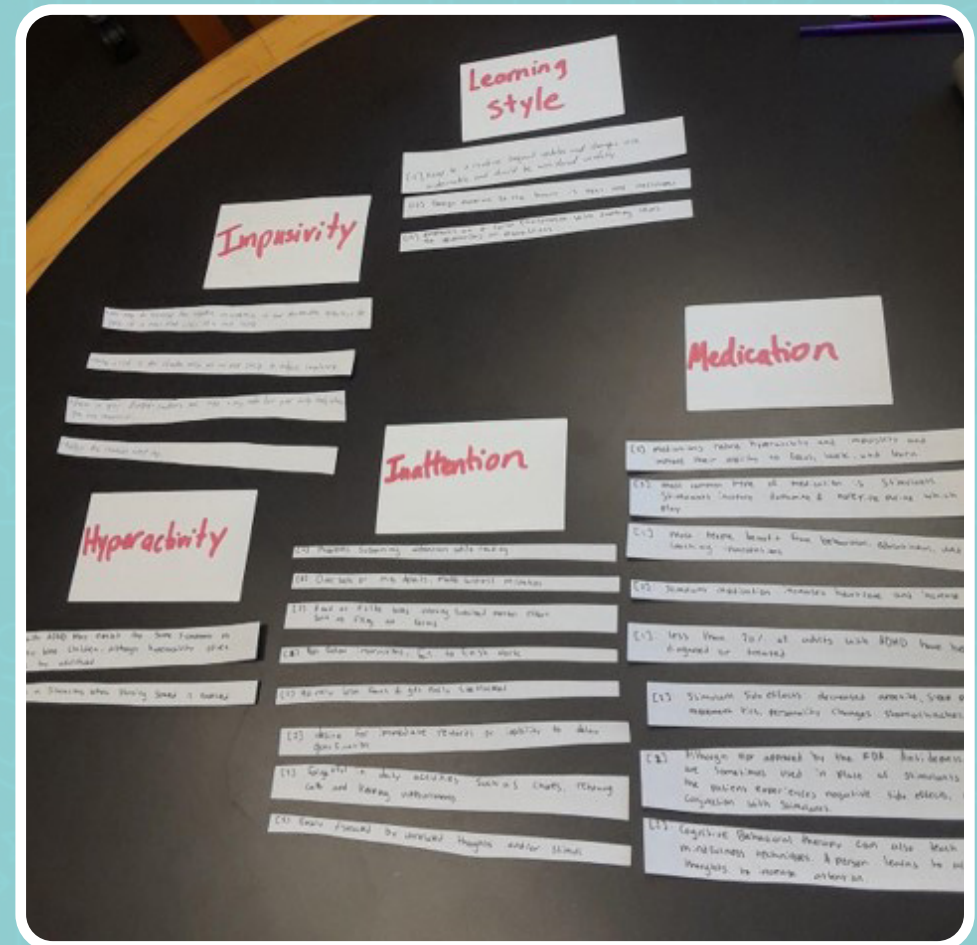
USER CASE

Underserved Persona Use Case

- Andrew is a 20 year old white male college student who lives alone.
- He has been diagnosed with ADHD as a child, but is not currently taking medication. Since he has recently become an adult, he is now ready to sign up for his own health insurance plan to help his parents save money.

Mainstreamer Use Case

- Lydia wants to change her health insurance plan, keeping the same provider, but switching to a plan that more closely fits her current needs.
- She is familiar with the company, but has not used the website in several years so she is not familiar with it.

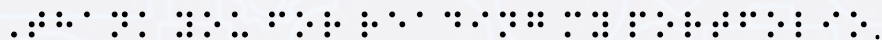
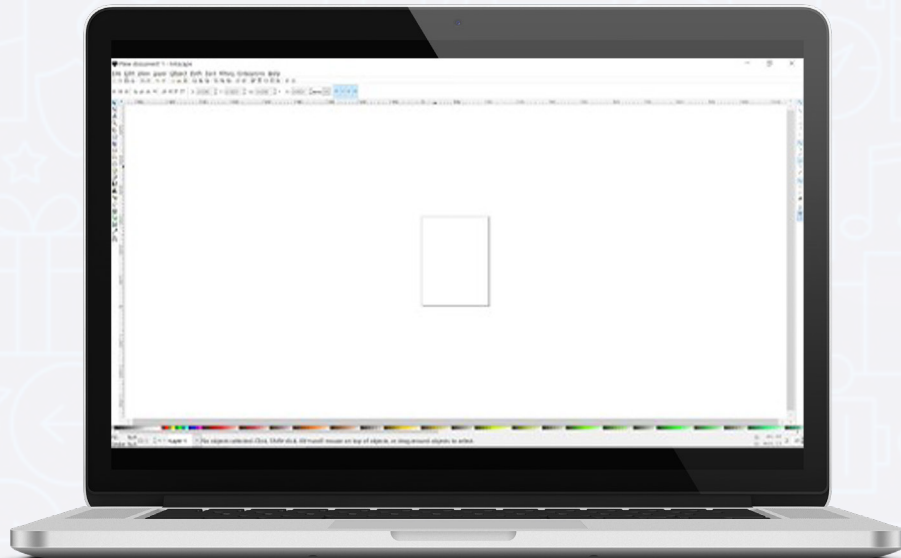


PROTOTYPE



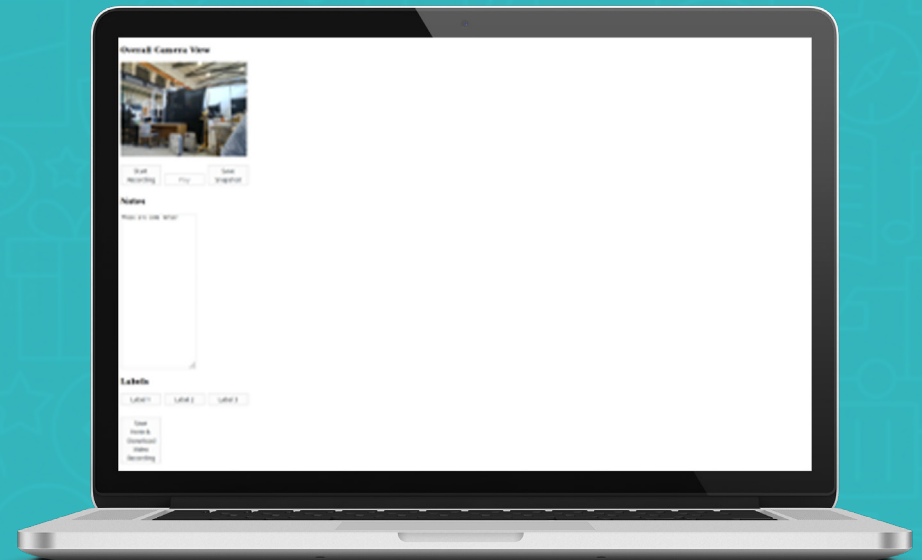
INKSCAPE INTERFACE DESIGN

Redesign the interface of Inkscape by used Balsamiq within a 4-people group



SOCIAL ROBOT ANNOTATION SYSTEM

Build a web system help making annotations for social robot research



SKILLS

Research

2 years of experience with User Research, Contextual Inquiry and Usability Evaluation.

Design

2 years of experience in Visual Design, primarily focusing on User Interface Design. Skilled at design and prototyping tools.

Develop

High fidelity prototyping experience with HTML, CSS, Javascript & MySQL. Programming experience with Python, Java and C/C++. Basic familiarity with Android development.

WORKING EXPERIENCE

Lab Assistance

*Charisma Lab, Oregon State University
August 2019 - April 2020*

