Gigseek

The ultimate performer-to-venue connection

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Project Abstract

- Design and build a web application that focuses on connecting performers and venues for live events. Equally serves both venues and performers to organize and streamline the booking process.
- The goal of this application is to facilitate a space for communication for both parties on an event-by-event basis. This application will provide every aspect of the current booking process used by small venues/artists under one umbrella.
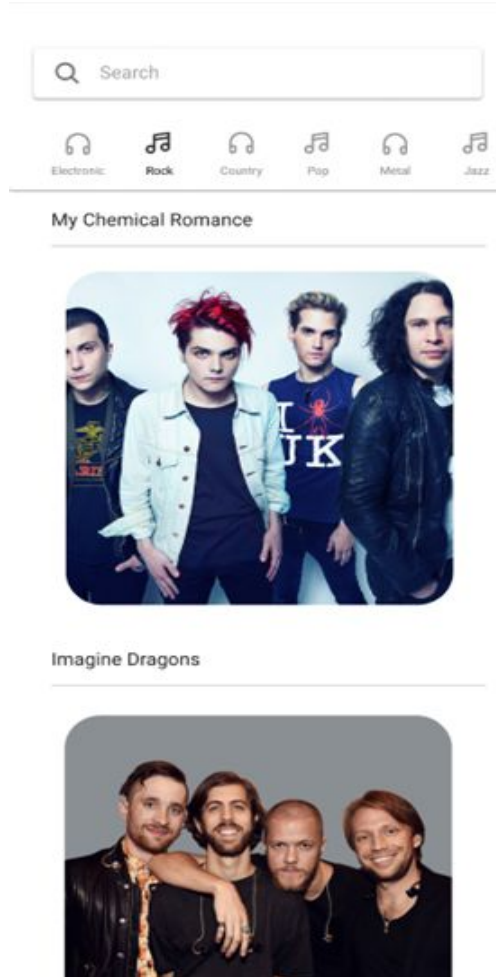
User Stories

1. As a booking agent for a small local venue, I want to filter and sort bands by genre, so that I can easily find potential bookings for my venue.
2. As a small band, I want to be able to look up a city and see what venues are available in that city on a specific date.
3. As a local band, I want to be able to connect with local venues and communicate with them to plan out a date and time for us to perform.
4. As a traveling band, I want to filter potential venues based off of capacity so that we are able to maximize the efficiency of our ticket sales.
5. As a photography manager for a local venue/band, I want a place where I can post my pictures and display them to potential performers/venues.

Design Diagrams
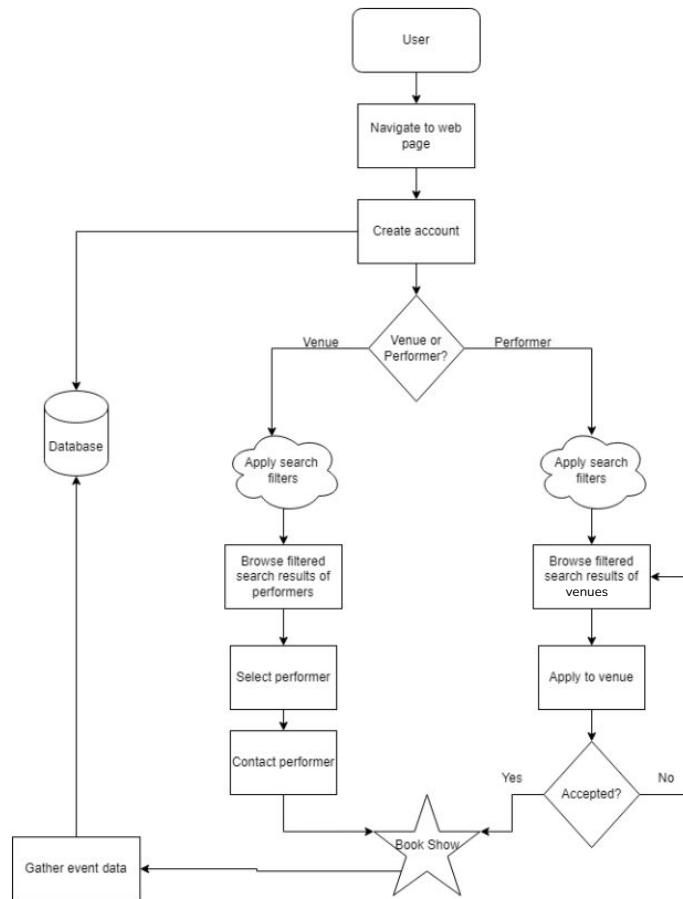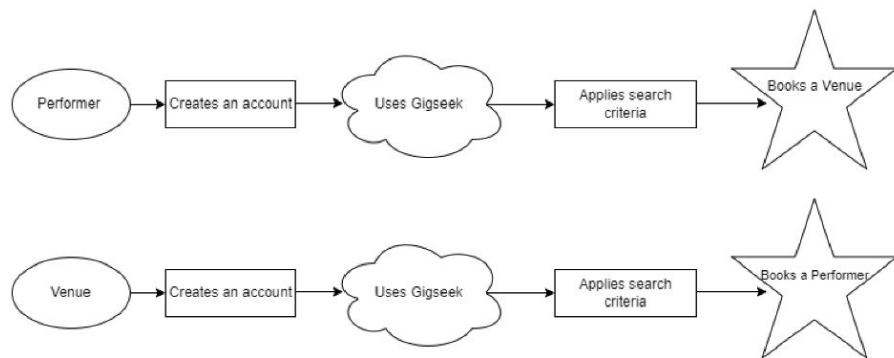
Major Project Constraints

- **Professional:** It is well known in the small-scale performer/venue community that the booking process is often complicated and confusing. It is necessary to understand how performers and venues currently book shows. Because members of our team have experience booking shows in local Cincinnati venues, we understand the necessary elements of the booking process that must be improved. This includes, determining a final date/time for a show, agreeing on a target capacity for a venue, finding a band/venue that fits the target genre for a show, etc. By providing these features to our users, Gigseek will minimize the current disconnect and confusion between performers and venues.

- **Social:** Many small scale venues/performers are unable to afford booking agents to take charge of their booking responsibilities. This means that performers are often tasked with booking their own show dates and must set aside time to organize events.

Major Project Constraints cont.

- **Social cont.:** With Gigseek, these performers and venues can apply criteria filters when trying to book an event and will be able directly reach out to the other party to book a show. This will ultimately benefit both sides by saving time and providing them with multiple options for multiple dates. Additionally, Gigseek has the potential to serve as a social media platform for these performers and venues. Through Gigseek profiles, bands and performers will be able to browse content from live shows and music libraries(Spotify/Apple Music).

- **Security:** Since Gigseek would host multiple venues' and performers' information, there could be sensitive information that is to only be shared in between the venue that the performer has booked, or other important information that we would need to protect, whether that was for our own benefit or for the benefit of the bands and venues. It is an important aspect to remember to keep that information encrypted and secure. We could get into serious legal issues if information about these bands or venues is leaked, released, or if the information is compromised by a vulnerability or by someone hacking into our database.

Current Project Progress

Below is an updated version of our project timeline. Status boxes indicatie the following:

- Green - Task has been completed
- Yellow - Task has been started
- Red - Task has not been started

Task	Start	End	Status
Document desired user pathways through the application	10/17/2022	10/24/2022	
Contact actual venues/performers for opinions/experiences with booking	10/17/2022	10/31/2022	
Document stack structure	10/17/2022	3/31/2023	
Design and implement file structure	10/17/2022	10/31/2022	
Develop and finalize mockups in Figma	10/24/2022	10/31/2022	
Document thought process and inspiration behind page designs	10/24/2022	10/31/2022	
Determine necessary properties associated to a band or venue (location, genre, capacity, etc.)	10/31/2022	11/7/2022	
Construct flat files for each database element (account profiles, show info, pictures)	10/31/2022	11/7/2022	
Populate flat files with test data	10/31/2022	11/7/2022	
Implement React/Ionic environment	11/7/2022	12/5/2022	
Export Figma Mockups to project repository	11/7/2022	3/31/2023	
Implement JavaScript to the Figma Components (includes HTML and CSS)	12/5/2022	3/31/2023	
Implement JavaScript/React for page funtionality	12/5/2022	3/31/2023	
Provide unit tests in JavaScript and add code coverage	12/5/2022	3/31/2023	
Implement 3rd party connections (Spotify, Apple Music, Maps, etc.)	12/5/2022	3/31/2023	

Expected Accomplishments
(End of Fall Term)

The below timeline indicates where we expect to be by the end of the 2022 Fall semester

- All backend tasks will be completed
- All documentation tasks will have been either completed or in-progress
- All necessary project components required to begin frontend development will be completed
- Front-end development will begin immediately after the end of the term

Task Timeline - End of Fall Term (12/09/2022)	Start	End	Status
Document desired user pathways through the application	10/17/2022	10/24/2022	
Contact actual venues/performers for opinions/experiences with booking	10/17/2022	10/31/2022	
Document stack structure	10/17/2022	3/31/2023	
Design and implement file structure	10/17/2022	10/31/2022	
Develop and finalize mockups in Figma	10/24/2022	10/31/2022	
Document thought process and inspiration behind page designs	10/24/2022	10/31/2022	
Determine necessary properties associated to a band or venue (location, genre, capacity, etc.)	10/31/2022	11/7/2022	
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Division of Work

Below is our Effort matrix and how we are going to divide up the tasks based on our expertise and what we would like to learn:

Task	Aaron	Ryan	Ilias
Document desired user pathways through the application - Ilias	10%	10%	80%
Contact actual venues/performers for opinions/experiences with booking - Ilias	0%	0%	100%
Document stack structure - Aaron	60%	20%	20%
Design and implement file structure - Aaron	80%	10%	10%
Develop and finalize mockups in Figma - Ilias	15%	15%	70%
Document thought process and inspiration behind page designs - Ryan	10%	80%	10%
Determine necessary properties associated to a band or venue (location, genre, capacity, etc.) - Aaron	80%	10%	10%
Construct flat files for each database element (account profiles, show info, pictures) - Aaron	80%	20%	0%
Populate flat files with test data - Aaron	80%	20%	0%
Implement React/Ionic environment - Ilias	10%	40%	50%
Export Figma Mockups to project repository - Ilias	0%	20%	80%
Implement JavaScript to the Figma Components (includes HTML and CSS) - Ryan	15%	70%	15%
Implement JavaScript/React for page funtionality - Ryan	10%	70%	20%
Provide unit tests in JavaScript and add code coverage - Ryan	10%	80%	10%
Implement 3rd party connections (Spotify, Apple Music, Maps, etc.) - Ryan	25%	50%	25%

Our Expected Demo at Expo

- At the time of the demo, we will have successfully tied the frontend to the backend. Although all features might not be ready for release, this first iteration will provide us with a foundation to build upon prior to release. By reaching this goal, we will be able to effectively test and get feedback on our application and move towards the final stages of development. A goal of ours is to have our application working on a full-stack level.
- At the demo, we intend to demo the full process of booking a venue/performer through Gigseek. This demo will demonstrate the primary functionality of Gigseek if it were fully released to the general public.
- Furthermore, we plan on showcasing samples of additional features such as 3rd party connections and performer/venue content (photos and videos) on account profiles.