Product Requirements Specification

Version 1.0 approved

Prepared by the staticDev team

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CECS 491A

Cal State Long Beach

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Product Description (Elevator Pitch):

Intro:

- Hello, we are a static development team.
    - We are a group of software developers that strive to create apps that provide inclusivity and improve social lives.
    - We are experienced in Mobile Development in Node.js and React Native, making us a perfect fit for this product. We also have experience working in collaborative team environments.

Pain:

- Have you ever had trouble finding local entertainment without having to scour the internet?

Promoting:

- Our product brings local entertainment such as performing arts, fairs, and artist showcases in one place, where the main focus is local entertainment details and promotion for people to easily find on a single platform.

Market (User):

- Our market focuses on the general public and entertainers.

Competition:

- Our competition are companies like
    - Ticketmaster
        - A company that promotes concerts or theatrical events with the option to purchase tickets.
    - Songkick
        - A concert locating service that allows users to track concerts events and artists.
    - Seatgeek
        - A platform that lets users purchase tickets for events such as concerts, theater showings, and more.
    - Stubhub
        - A ticket exchange company that authorizes purchases and selling of tickets for entertainment events.
    - Eventbrite
        - An event management website to promote local events, includes an optional ticketing service if needed.

How are We Different:

- We are different as our main focus is inclusivity for all local shows and entertainers. Our main focus is information for the public on local entertainment.

Summary of the current situation:

- Before: Today, users search through multiple social media platforms to find possible concerts around the area that they are interested in. In hopes of finding a certain genre that they enjoy.
- After: Users will be able to find concerts from local musicians and/or artists that are performing near the local area without searching through multiple sites, simply using a single app.

User Description and Persona:

PERSONA 1:
Name: Joshua   **Age:** 22   **Occupation:** College Student   **School:** CSULB
GOALS:
● Find entertainment by attending events of various artists. As a student, Joshua is unable to travel far to find such occasions to visit.
MOTIVATIONS:
● Local around the area   ● Comfortable navigation through app
FRUSTRATIONS:
● Few and far events in between areas

PERSONA 2:

Name: Alexander **Age:** 28 **Occupation:** Independent Artist (Musician)

GOALS:
● To be able to promote his events as an independent artist and to be able to search events that interest Alex.

MOTIVATIONS:
● Network with other local artists/vendors ● Self Promotion

FRUSTRATIONS:
● Attracting people to attend his events ● Finding events that interest Alex

PERSONA 3:

	Name: Adam **Age:** 31 **Occupation:** Music Manager

GOALS:
● To discover talent of local musicians that they believe are able to make it to fame and fortune under proper supervision and training

MOTIVATIONS:
● Variety of voices and genres to explore ● Doesn't require long distance travel to experience

FRUSTRATIONS:
● Difficult to judge a musician given only description (No demo of voice)   ○ Has to attend a concert in order to listen.

Use Cases:

Use Case 1	Register Account
Actors	Advertiser, User
Pre-Conditions	No Advertiser/User is logged in New User's information is present Must Have Network Connection
Flow on Control	- Clicks Register - Display input fields for user - Fill out of the registration form - Can use email or Google Sign-In - Click Submit - Validate user input - Update database accordingly
Post-Conditions	The system now displays the new user information and grants them user privilege. Saves data.
Error-Condition	User input is not valid - Empty username or email, password - Character count exceeds limit (20)
Non-Functional Requirements	Data-should be processed and updated within 5 seconds.

Use Case 2	Delete Account
Actors	Advertiser, User
Pre-Conditions	Advertiser/User must be logged in Must be on account settings page Must have network connection
Flow on Control	● Clicks disable account 　○ Prompt for confirmation ● User clicks confirm button 　○ System shows account is deleted 　○ Data is wiped from database
Post-Conditions	Account is deleted. Database is changed and updated
Error-Condition	Network Connection is Lost
Non-Functional Requirements	Data should be processed and

Use Case 3	Create a Event
Actors	Advertiser
Pre-Conditions	Advertiser/user must be logged in Must be on main events page Must have network connection

Flow on Control	• Clicks create event
	  ○ Prompts for event title
	  ○ Prompt for date
	  ○ Prompts for time
	  ○ Prompts for location
	  ○ Prompts for tags (for searchability/filtering)
	• User clicks confirm button
	  ○ Event is created with the info provided.
	  ○ Visible to all users depending on their search criteria

Post-Conditions	Event is created. Database is updated with the event and the association between it and the creator.
Error-Condition	• Network Connection is Lost • All fields not filled
Non-Functional Requirements	Event creation must be complete within 30 seconds.

Use Case 4	Delete an event
Actors	Advertiser
Pre-Conditions	Advertiser/user must be logged in Must be on that specific event's page Must have network connection
Flow on Control	- Clicks delete event - Prompts for confirmation that all data will be deleted, proceed? - User clicks confirm button - Event is deleted and no longer visible to users.
Post-Conditions	Event is deleted. Database is updated to remove the event and the association between it and the Advertiser.
Error-Condition	Network Connection is Lost
Non-Functional Requirements	Event deletion must be complete within 30 seconds.

Use Case 5	Share an event
Actors	Advertiser
Pre-Conditions	Advertiser/user must be logged in Must be on that specific event's page Must have network connection
Flow on Control	- Click share event - Connects with Android Share Sheet to allow sharing to all supported apps - User clicks desired app button - Event is shared with that app/user
Post-Conditions	Event is shared with the selected app. No changes made to the database.
Error-Condition	Network Connection is Lost during share
Non-Functional Requirements	Event details must be shared with Android share sheet within 15 seconds maximum

Use Case 6	Search for an event
Actors	Advertiser, User
Pre-Conditions	Advertiser/user must be logged in Can be anywhere in the app (home page/event page) Must have network connection
Flow on Control	- Click search bar - Type a date or event title - User clicks search - List of events occurs
Post-Conditions	Event is shared with the selected app. No changes made to the database.
Error-Condition	Network Connection is Lost during share
Non-Functional Requirements	Event details must be shared with Android share sheet within 15 seconds maximum

Use Case 7	Add event to a calendar
Actors	Advertiser, User
Pre-Conditions	Must have network connection Advertiser/user must be logged in Must be in an event page
Flow on Control	● Click Add event bar ● Event is added to calendar
Post-Conditions	Event is shared with the selected app. No changes made to the database.
Error-Condition	● Network Connection is Lost during share
Non-Functional Requirements	Event details must be shared with Android share sheet within 15 seconds maximum

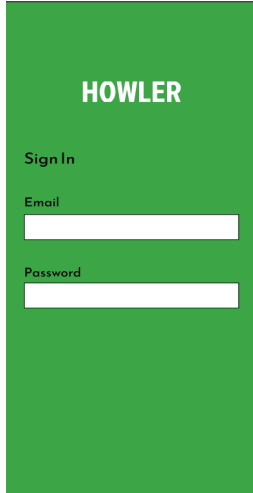| Use Case 8	User subscribing to an advertiser
Actors	Advertiser, User
Pre-Conditions	Must have network connection Advertiser/user must be logged in Must be on an advertiser page (view account)
Flow on Control	● Tap subscribe ● Advertiser is added to subscription list and their events now appear at the top of user's event page. ● Confirmation of addition.
Post-Conditions	Advertiser is added to user's list of subscriptions in DB.
Error-Condition	● Network Connection is Lost during subscribe ● Unable to add advertiser to user's

	subscription list in DB.
Non-Functional Requirements	Advertiser details must be added to user's DB within 15 seconds maximum.

Use Case 9	Login
Actors	Advertiser, User
Pre-Conditions	Must have network connection Must be in the login page of application
Flow on Control	- Click Login - Application User must enter verified email and password. - Database must return a success message.
Post-Conditions	User is logged in to the application and will be able to browse, and view events.
Error-Condition	- Network Connection is Lost during subscribe - Unable to log into application
Non-Functional Requirements	Users must be able to access application perks.

Non-Goals:

- Our app is not a vending app where folks can buy tickets or merchandise.
- Only applies to the local area of Long beach, California.
- Languages in languages other than English may not be supported.

UI/UX:

Exhibit a. This is the main page of the application. In order to access the howler application, a user must have registered an account with an email, and password, or the user is an existing user, then they must input their verified email and password.
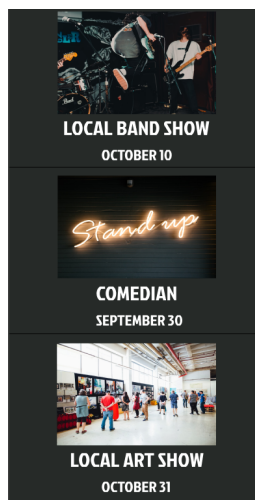

Exhibit B. This page is the Events List page. This page will hold all local entertainment such as performing arts, fairs, and artist showcases in one place.
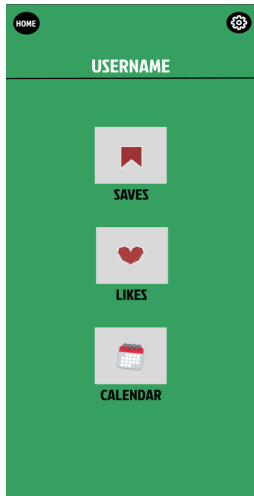
Exhibit C. This page is where an account holder can access their likes, saves, and calandar.

Exhibit D. This page is the registration page where a new user can create an account.

Exhibit E. This page is the Event Page. This Event Page will hold all the details of an promoted event. With the actions to like an event, and to move onto the next event.

Non-functional System and Environment Requirements:

- Non-functional System Requirements:
    - User should have basic knowledge of navigating through mobile devices and its applications
    - Able to run on Android 8.0 and above
    - Require a response time from user to host of at maximum 15 seconds
        - Includes update to server
- Environment Requirements:
    - Must have a stable internet connection

Timeline:

Link:
https://csulb-my.sharepoint.com/:x:/g/personal/jafet_oidorortega_student_csulb_edu/EfHCne2GehNKodp4uEDCt6YBYJJYbP9SZWCm1R5qt_IRnw?e=Lj3h0v

ENTER START DATE: 9/1/2022

ACTIVITY	START	END	NOTES
Project Start	9/1/2022		Beginning Senior Project…
Milestone 1	9/2/2022	9/6/2022	Complete Request for Proposal (RFP)
Milestone 2	9/7/2022	9/10/2022	Complete Basic Product Requirement Documentation (PRD)
Milestone 3	9/30/2022		Revise and Complete PRD and Design Doc Chapters
Milestone 4	10/1/2022	10/3/2022	TBD
Milestone 5	10/11/2022	10/13/2022	TBD
Milestone 6	10/14/2022	1/18/2022	TBD
Milestone 7	1/19/2022		Begin Creating Application
Milestone 8	1/29/2022	2/28/2022	Design UI/UX
Milestone 9	2/8/2022	3/10/2022	Create database to store user information
Milestone 10	3/11/2022	4/20/2022	Test and Debug
Project End	5/1/2023		Final product complete. (Usable and Functioning)