Bar Hopper Requirements

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## Mission Statement

The Bar Hopper app will maximize users’ nightlife and increase nightlife establishment’s patronage in the wake of the Covid-19 pandemic.

## Key Stakeholders

* Bar Hoppers
  + Maximize nightlife by finding bars/clubs that best fit mood
* Establishments
  + Gain customers, increase notoriety, promote positive reputation, increase profit

## Key Drivers

After over a year and a half of a global pandemic and as covid-19 social restrictions begin to lift, people are eager to socialize and reenter the night scene. Bar Hopper will not only assist in the transition back to nightlife, but will improve upon the process by:

* Conveying current bar/club line wait times
* Conveying covid-19 regulations/restrictions (vaccinations, masks, etc.)
* Conveying characteristics like atmosphere, crowd level, etc.
* Conveying a bar/club’s rating
* Allowing users to give real-time updates of the above info
* Allowing users to conduct a filtered search to select a bar that fits their mood, time, and safety concerns

By addressing these issues, Bar Hopper will reduce frustration and increase satisfaction. Bar Hopper will empower users to make choices that are right for them at a bar that is right for them!

## Key Constraints

1. The system must be fully functional and compatible on modern smart phones (IOS, Android).
2. The first release of the system shall be released December 2nd, 2021.
3. The system shall require internet connection for users to search bars/clubs and submit real-time updates.
4. Phone number and/or email and/or third party (Facebook, Instagram, etc.) shall be required for user registration.

## Key Requirements

1. Business Requirements
   1. The app shall attract 10,000 customers per quarter.
   2. The app shall attract customers aged 21-40 in the first

quarter.

* 1. The app shall operate in major cities.
  2. The app shall increase bar/club patronage by 25% in the first quarter.

1. User Requirements
   1. The system shall allow users to create a profile and login through either google or creation of a custom username and password
   2. The system shall display a map centered on the user's location and display bars within 5 miles of their current location
      1. The system shall allow users to search an area or filter by establishment attribute
      2. The system shall display key tags for bars on the map. These tags are: ‘long line’, ‘short line’, ‘no line’, ‘hot bar’, ‘crowded’, ‘empty’, ‘live music’, ‘vaccine required’, ‘masks required’, ‘dancing’, ‘lounge’, ‘food’, ‘dive bar’, ‘games’, ‘boho’
      3. Tags shall be valid for 2 hours and then clear
      4. If tags are conflicting e.g. ‘long long’ and ‘no line’, the most frequent active tag (<2 hours old) shall be displayed. If the frequency is tied the most recent is displayed.
   3. The system shall display a table view of nearby or searched for bars
   4. When a user selects a bar, it shall display the bar’s name, hours, phone number, vaccination protocols, top photos, and tags
      1. The system shall allow customers the option to tag bars with the following attributes: ‘long line’, ‘short line’, ‘no line’, ‘hot bar’, ‘crowded’, ‘empty’, ‘live music’, ‘vaccine required’, ‘masks required’, ‘dancing’, ‘lounge’, ‘food’, ‘dive bar’, ‘games’, ‘boho’
      2. The system shall allow customers to identify the ‘vibe’ of the bar.
      3. The system shall allow customers to add a photo
2. System Requirements
   1. The system shall be available to access as a WebApp optimized for mobile layouts and Mobile App.
   2. If the system is accessed as a WebApp, it shall render in Chrome, Safari, and Firefox.
   3. The system shall be available for download on iOS and Android devices and render on all screen sizes.
   4. The application shall render the map and all locations meeting search criteria in under 5 seconds.
   5. The system shall support 1,000 users concurrently accessing the application.
3. Security Requirements
   1. Customer profiles shall only be logged into through federated AuthN services.
   2. Infrastructure shall only be accessed by system administrators.
4. Quality Requirements
   1. The system shall support 1,000 concurrent users.
   2. The system shall maintain four 9s of availability
   3. The system shall retain data for at least one year