

Proposal - Local Event Finder

1. Participant Details:

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2. Problem Statement:

Local Event Finder

3. Solution Overview:

Description -


There will be two contact points for the solution to be implemented

1. Event Organizer side - Anyone who wants to organize an event can update a form to register their events on the DB(Firebase) with fields as
 - a. Event name
 - b. Event location link on map
 - c. Event Category - Poetry , gaming , comedy , meetup , tech etc.
 - d. State - In which state the event is taking place
 - e. District
 - f. Age restriction
 - g. Event Start Date Event End Date
2. User side - User needs to enter his / her district and state then accordingly a list will be made from the data base of all events in that state and district for which a g map list link will be generated clicking on which the user can look at all the events in his own gmap as well and can also have and option to add the lists on their maps
 - a. Future update - A chrome extension can be made that picks up backend data from firebase and updates the gmap by adding pins to your gmap

Visualization -

Step 1 : Event Organiser Registers the Event on the website -

Event Organizer End prototype

 Joshua

Welcome to the Local Event Finder

Add EventView EventLogout

Enter Name of The Event	Event Entry Fees ?	Enter Event Type	Enter the Event Category
<input type="text" value="Poetry Night"/>	<input type="text" value="0"/>	<input type="text" value="Community"/>	<input type="text" value="Bhandara"/>
Start date & Time	End Date & Time		
<input type="text" value="Value"/>	<input type="text" value="Value"/>		
Share Gmap Location Pin	Add Event Address in words	Add District	Add pincode
<input type="text" value="Value"/>	<input type="text"/>	<input type="text" value="Delhi"/>	<input type="text" value="Delhi"/>
Event Organizer Name	Event Organizer Contact		
<input type="text"/>	<input type="text"/>		
Min Age to Attend			
<input type="text"/>			

Save Event

Step 2 : Saving the data received into firebase

Step 3 : When a person views event by selecting say state , district , location and event type filters they can see the following interface with the result in list format but

that would be boring that is how everyone is doing it hence it would give a button to add all the events to the maps directly in a form of a list

Step 4 :

Event Organizer End prototype

Selmon Bhai

Welcome to the Local Event Finder

Location Access

Add Event

View Event

Logout

Select state

Delhi

Enter Event Type

Community

Enter the Event Category

Poetry

Date of Event

8 Dec 24

Select District

Delhi

Showing Results

Show List on my Gmap

Clear Filter

Stand up Poetry

Open Mic - Comedy & Poetry.

Comedy Shows | English, Hindi, Punjabi | 16yrs + | 1hr

Sun 08 Dec 2024 - Sun 30 Mar 2025

Buddy On Stage: Delhi

₹ 49 onwards

Delhi NCS

Buddy On Stage: Delhi

Roommark L11, Vasant Vihar, Delhi, NCR

110017 India

Show larger map

Delhi NCS

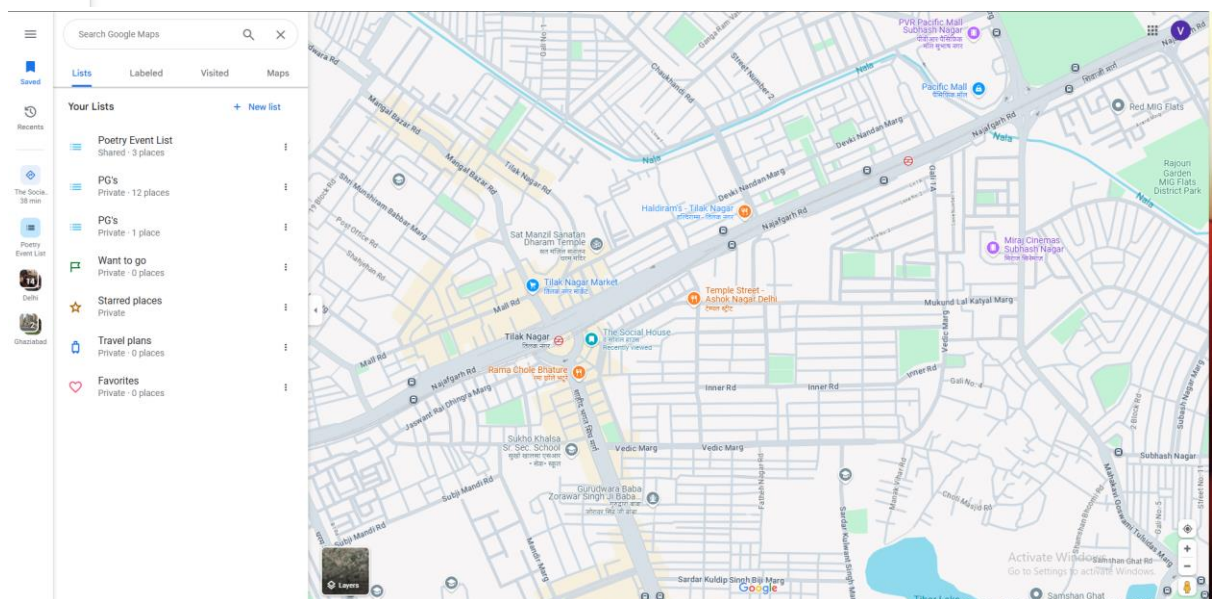
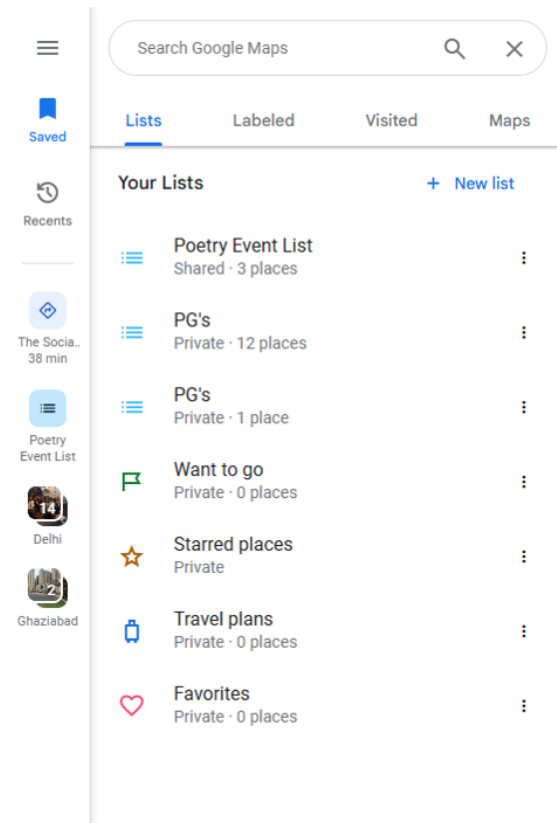
Buddy On Stage: Delhi

Roommark L11, Vasant Vihar, Delhi, NCR

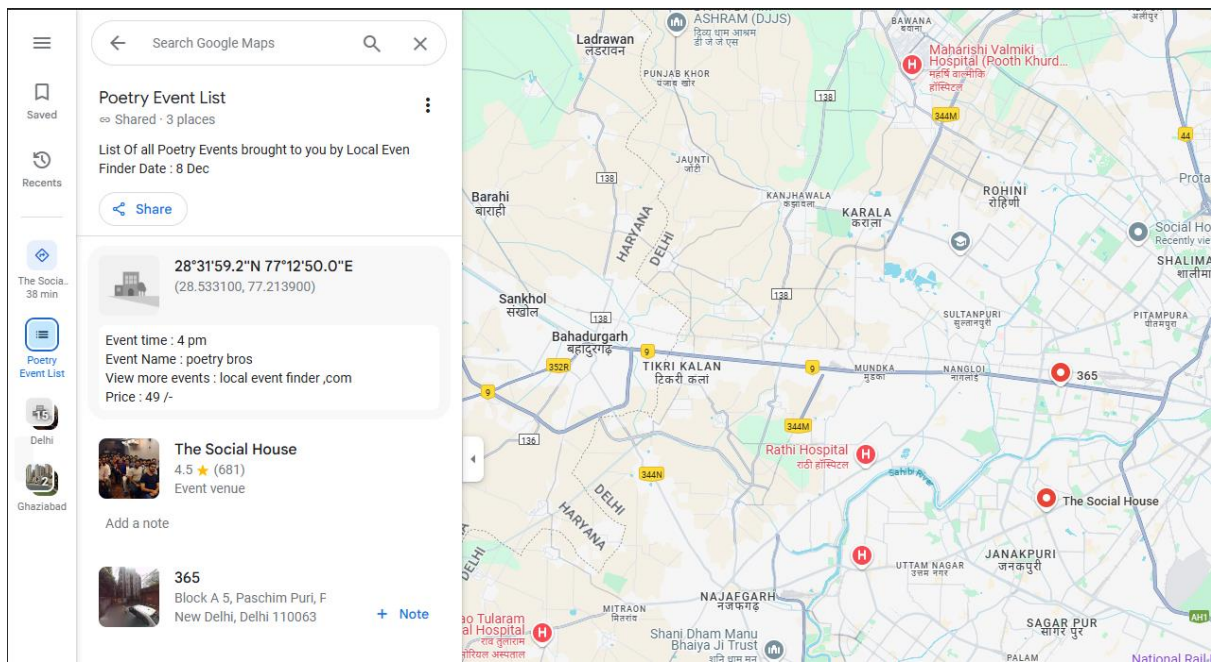
110017 India

Book

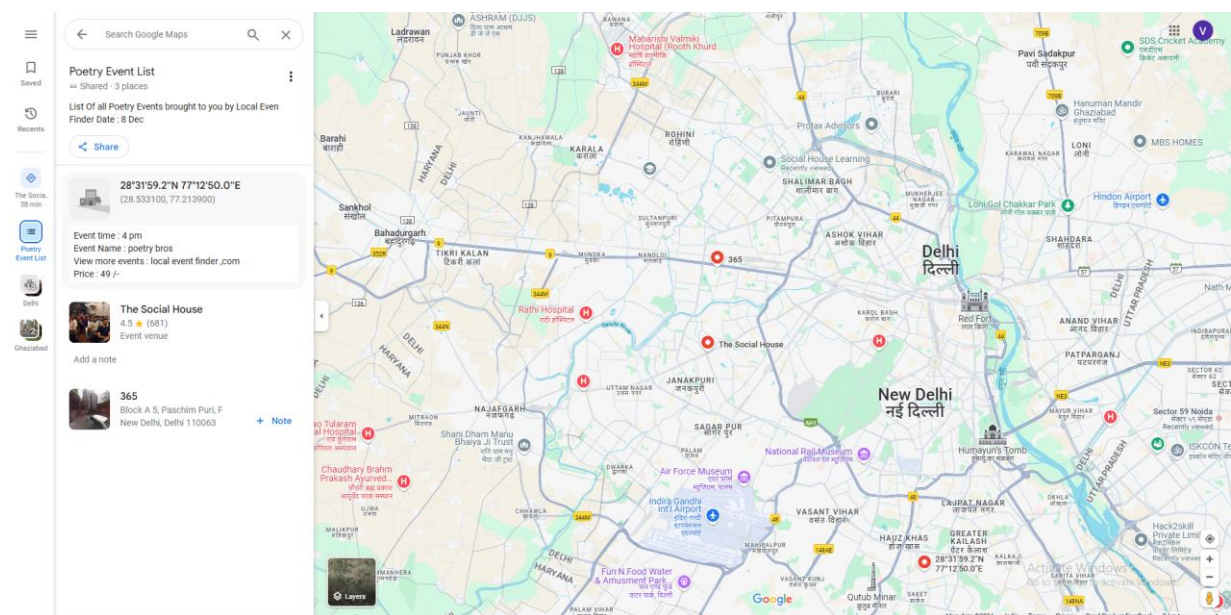
Once clicked on Show List on Gmap it will take the list data and formulate into a Gmap readable list which can be viewed in gmap



Step 5 : It will mark all the event locations in the map with the details

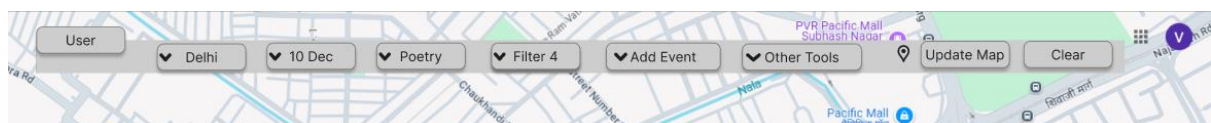


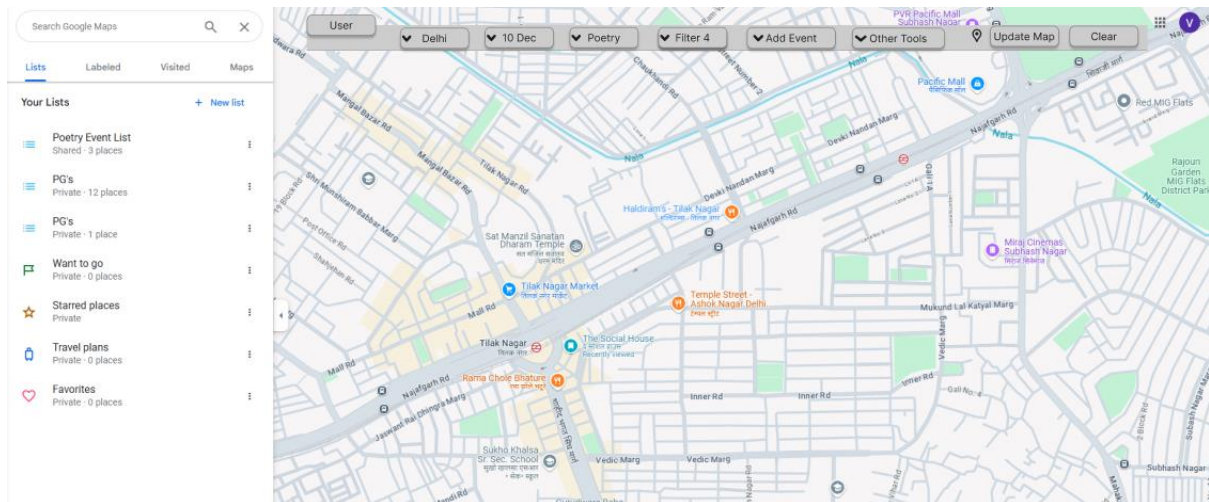
*Shows the list if events on users gmap



Step 6 : Future Scope

Will convert it to a google chrome extension with a toolbar to add events , delete events and most of all find events shown in the image as -





Also in future scope : add verification for the events created that the events are authentic and not fraud

High-level architecture Approach & Feasibility Analysis -

1. HTML in sync with CSS will be used to create a form for the vent organizers
2. JS will be used to store the data to the firebase
3. When the User searches for the events near them they will select various filters like their location pincode event type being a few mandatory ones and search and in accordance to that search a query will be written and send to firebase
4. Once the response is received the UI will use some kind of recycler view to populate and show the lists on the go
5. The button “show List on my Gmap” will ping on the gmap API to create a List then once the List is made will share it with the user . If the user gives access to his Gmap then the List will be added directly to their gmaps .
6. The user can view the event list on map with the geolocation tags in one go all visualized.

Tools and libraries to be used -

1. HTML
2. CSS
3. JS
4. Google Map API
5. Firebase

Expected challenges and how you plan to address them -

The expected challenges are

1. The authenticity of events like the events can be fraud and endanger the safety of people for that something must be done to verify that the event creator is authentic.
Solution : A KYC verification of the event manager
2. Retrieval of data from firebase at a satisfiable latency
3. Figuring out Gmaps API

Innovation and Creativity:

The visualization feature that allows the user to see the list of all events on their map is unique because of it its easy to compare and also see all events on map in one go which also feels natural that the events markers are added on the map directly using the Map API that allows for list creation .