INSTITUTE FOR ADVANCED COMPUTING ANDSOFTWARE DEVELOPMENT (IACSD), AKURDI, PUNE

Documentation On

Passion Pursuit

PG-DAC March 2023

Submitted By:

Group No: 58

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Project Guide

Mr. Rohit Puranik
Centre Coordinator

ABSTRACT

A service-oriented platform focuses on establishing and maintaining connections between consumers and small businesses in the Arts, Entertainment, Music, Cooking, Fitness, Sports, and Recreation sectors. Small businesses can use the app to showcase their products or services and create highlight videos from photos of their personal projects. Users can create themed collections within the app to categorize their projects. These collections can be based on different hobbies such as gardening, cooking, arts and crafts, fitness, decoration, and more. The application leverages the Spring Framework to achieve robustness, flexibility, and scalability.

This project deals with developing a service-oriented website for follow passion and pursuit it. It provides list of Hobbies and details of hobbies and their business owner information to the users. It also provides first ten calls free make a make contact to business owners after that user can make a choice for recharge plan. The user can also view their recharge history in user section.

ACKNOWLEDGEMENT

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, Mrs. Geeta Darunte for providing me with the right guidance and advice at the crucial juncture sand for showing me the right way. I extend my sincere thanks to our respected Centre Co-Ordinator Mr. Rohit Puranik, for allowing us to use the facilities available. I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

Aniket Govind Gadage (223130)

Rohit Ankush Narahare (223171)

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INTRODUCTION

In a rapidly evolving world where technology has become a cornerstone of daily life, the "Passion Pursuit" project emerges as a dynamic and innovative solution. This project is dedicated to creating a service-oriented platform that facilitates meaningful connections between consumers and small businesses operating in diverse sectors such as Arts, Entertainment, Music, Cooking, Fitness, Sports, and Recreation. By harnessing the power of digital connectivity, the Passion Pursuit platform aims to bridge the gap between individuals seeking unique experiences and services, and the creative entrepreneurs who passionately craft and provide them.

The modern landscape of commerce and creativity is marked by the rise of small businesses and individual artisans who bring a personal touch and authentic expertise to their products and services. The Passion Pursuit platform recognizes this shift and embraces the idea that everyone, from the seasoned artist to the novice gardener, has a passion to share and explore.

As we dive into the details of Passion Pursuit, the Spring Framework stands as the pillar of its strength. With its modular architecture, comprehensive tools, and Java-based foundation, Spring empowers Passion Pursuit to deliver a secure, scalable, and efficient platform for managing business and users' hobbies.

1 FEATURES

1.1 PROJECT OBJECTIVE

The primary objective of the Passion Pursuit Explorer App is to provide users with a convenient, user-friendly platform for follow their hobby, small business gives platform, and availing various services. This app aims to follow passion, making it efficient, secure, and accessible to a wide range of users.

1.2 PROJECT OVERVIEW

The purpose of the "Passion Pursuit" project is to create a service-oriented platform that fulfills a range of interconnected goals and objectives, each contributing to the overall vision of fostering connections and supporting creativity within the Arts, Entertainment, Music, Cooking, Fitness, Sports, and Recreation sectors.

The primary purpose of the Passion Pursuit platform is to provide a digital space where individuals with shared interests can connect and engage. By bringing together consumers and small businesses, the platform aims to create a thriving community where passions are celebrated, expertise is shared, and relationships are nurtured.

1.3 PROJECT SCOPE

The scope of this project encompasses the comprehensive development and implementation of a passion pursuit explore app that offers a wide array of features to enhance user convenience and digital engagement. The app will cover the entire user journey, beginning with user registration and authentication, allowing users to create secure accounts and log in seamlessly. It will take a small quiz on hobby and based on that it will give show the user hobby related business near user location and provide a well-organized catalog of diverse prepaid plans from various hobby venders, empowering users to select and customize plans based on their specific requirements.

1.4 STUDY OF THE SYSTEM

A passion management system is **a software product that manages all components of your business and their services**. Typically, they are integrated with Arts, Entertainment, Music, Cooking, Fitness, Sports, and Recreation sectors.

1.4.1 MODULES:

The system after careful analysis has been identified to be presented with the following modules and roles.

The modules involved are:

- Business Owner: -

  The Business owner can register with opt verification and can add his business details images, contact details, address. different categories like Arts, Entertainment, Music, Cooking, Fitness, Sports.

- Users: -

  The user can register and login. Saves his/her hobbies based on that user can see nearby

  hobby related business. User can enroll any service provide by venders.

2 SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problems, and using the information to recommend improvements on the system. System analysis is a problem-solving activity that requires intensive communication between the system users and venders.

System analysis or study is an important phase of any system development process. The system is viewed as a whole, the inputs are identified, and the system is subjected to close study to identify the problem areas. The solutions are given as a proposal. The proposal is reviewed on user request and suitable changes are made. This loop ends as soon as the user is satisfied with the proposal.

2.1 PROPOSED SYSTEM

The proposed web application provides following functionalities in order to attract more customers for follow.

- ✓ The whole web application is hassle-free and provided best GUI.
- ✓ Security of the data is maintained properly by using in built Spring Security.
- ✓ Conditional Rendering is also used in order to achieve selective response generation.
- ✓ As it's an online web application and available for 24 x 7, customers may enjoy the shopping without any time constraints.

2.2 SYSTEM REQUIREMENT SPECIFICATION

2.2.1 FUNCTIONAL REQUIREMENTS

Following are the functional requirements fulfilled by our project:

User Functionality:

Registration:

Users should be able to register by providing their email, username, and password.

Login Credentials:

Users should be able to log in using their registered email and password.

Password Reset:

Users should have the option to reset their password through a secure process involving email verification.

Profile Access:

After logging in, users should be directed to their personalized dashboard, displaying their hobbies, events, and other relevant information. User can select multiple hobbies and can save hobbies.

Hobby Quiz:

User can give quiz on hobby related questions. Based on quiz result we can show case their passion related category.

Business Owner Functionality:

Business Registration:

Business owners should be able to register their businesses, providing necessary details.

Business Login:

Registered business owners should be able to log in using their email and password.

Business Profile:

After logging in, business owners should have access to their business profile page where they can manage information, events, and offerings.

Event Management:

Business owners should be able to create, edit, and manage events related to their business.

Communication:

Business owners should have the ability to communicate with users who are interested in their business or events.

Photo Upload and Arrangement:

Business owners can upload photos of their projects and arrange them in the desired order.

2.2.2 NON - FUNCTIONAL REQUIREMENTS

Passion Pursuit web Application provide the following non –functional requirements:-

i. Interface :-

~ Passion Pursuit web Application must provide userinteractive interface in order to attract more users.
~ The application should use best available attractive color shade combinations.

ii. Performance:-

~ Number of Concurrent Users: - The application must handle maximum number of requests.

iii. Security:-

~ The online Passion Pursuit web Application must provide maximum level of security regarding data.
~ The data of the users, product details, valuable feedbacks, login credentials must be protected in order to maintain high customer satisfaction.
~ The application must provide separation via Authorization & Authentication.

iv. Availability:-

~ Passion Pursuit web Application must be available 24 X7 i.e. throughout the day & night, so that users can enjoy shopping all the time.

v. Reliability:-

~ The specified application must be reliable, especially at the time of weekend, festival days, year endings etc.
~ The application must be reliable in the perspective of login / payment failures also.

vi. Safety:-

~ The online application must be saved against session fixations / SQL injection etc. malicious attacks.
~ The whole software must use firewall configurations in order to safeguard the application.

vii. Maintainability:-

~ Passion Pursuit web Application should be able tomaintain with as less efforts & changes as possible.

viii. Portability:-

~ The specified application must provide portability in order to change components of architecture in case of emergencies.
~ It should hazel – free facility to replace the databases to enhance the efficiency in needed in future. Like replacement from MYSQL to Oracle or MYSQL to MongoDB.

ix. Accessibility:-

~ The online website must be accessible via desktops, laptops, smart devices including mobile phones, tablets etc.
~ The UI – UX must not hamper in case of above options. It should remain uniform throughout all the devices.

x. Durability:-

~ The overall application should be durable, especially in the terms of data, product availability, and uniform performance over time.

xi. Other Requirements:-

- Hardware: - The application is expected to function on Dell G3 – 15 with 1100 MHz Pre Processor Equivalent Or Above, 4 GB RAM, 512 GB HDD.

- Software: - Passion Pursuit web Application shall work on Microsoft Windows operating systems family (MS Windows XP & Above). It configures to work withMYSQL database. This System works on Apache Tomcat server. It uses browser Google Chrome Browser.

3 DIAGRAMS

3.1 USE CASE DIAGRAM: -

A use case diagram is used to represent the dynamic behavior of a system. It encapsulates the system's functionality by incorporating use cases, actors, and their relationships. It models the tasks, services, and functions required by a system / subsystem of an application. It depicts the high-level functionality of a system and also tells how the user handles a system.

Here are all the basic terms used in the Use Case Diagram:-

1. Use cases: Horizontally shaped ovals that represent the different uses that a user might have.
2. Actors: Stick figures that represent the people actually employing the use cases.
3. Associations: A line between actors and use cases. In complex diagrams, it is important to know which actors are associated with which use cases. In this, Usually two keywords are used to denote the tight coupling & loose coupling i.e. include & extends respectively.
2. System boundary boxes: A box that sets a system scope to use cases. All use cases outside the box would be considered outside the scope of that system.

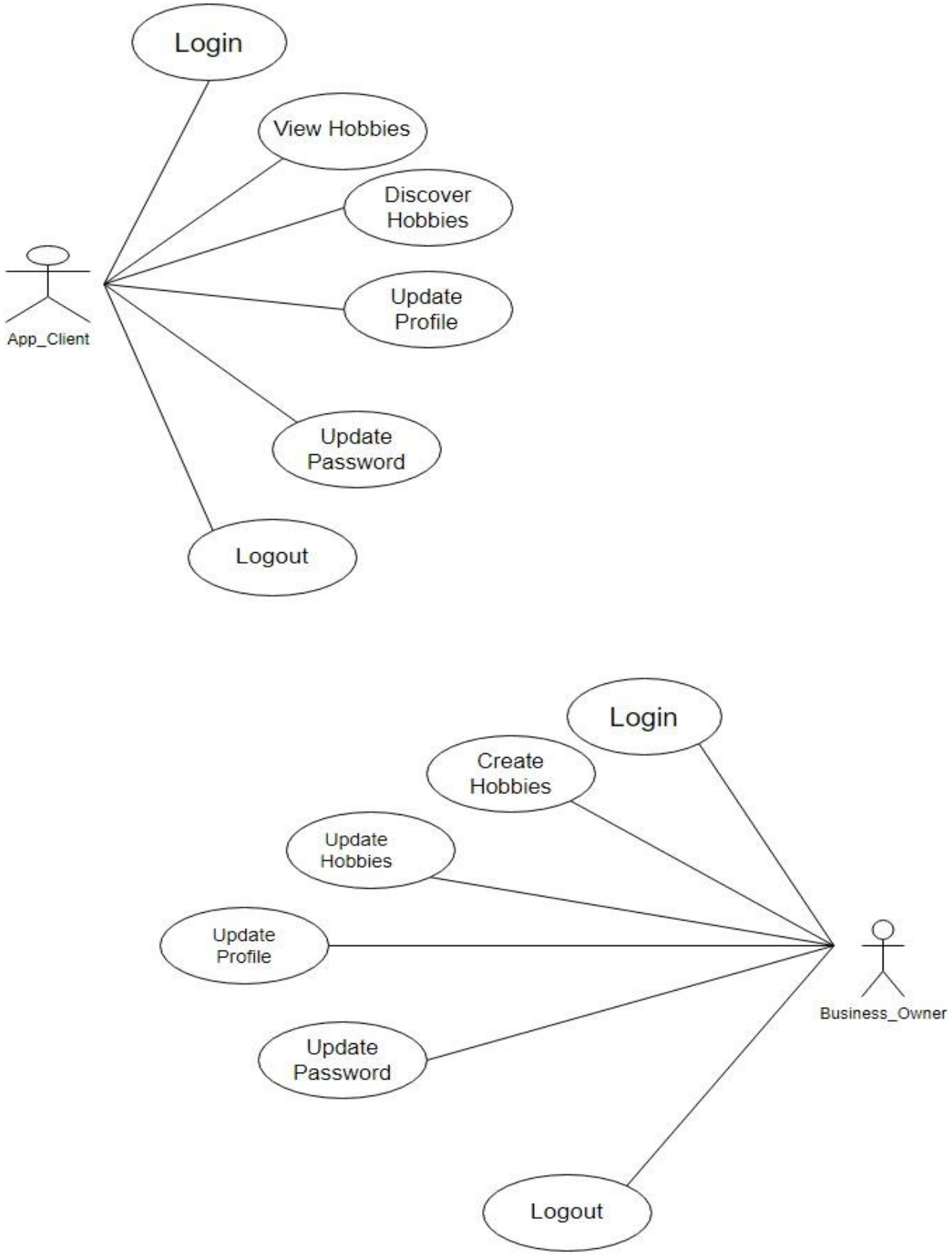

Fig. 1 : UML Use Case Diagram

3.2. E-R DIAGRAM:-

Entity Relationship Diagram is used to define the data elements and relationship for a specified application. It develops a conceptual design for the database. It also develops a very simple and easy to design view of the data.

In Entity Relationship Diagram, the data is represented by using various components including entities, attributes, relationships (One To Many / Many To Many etc.)

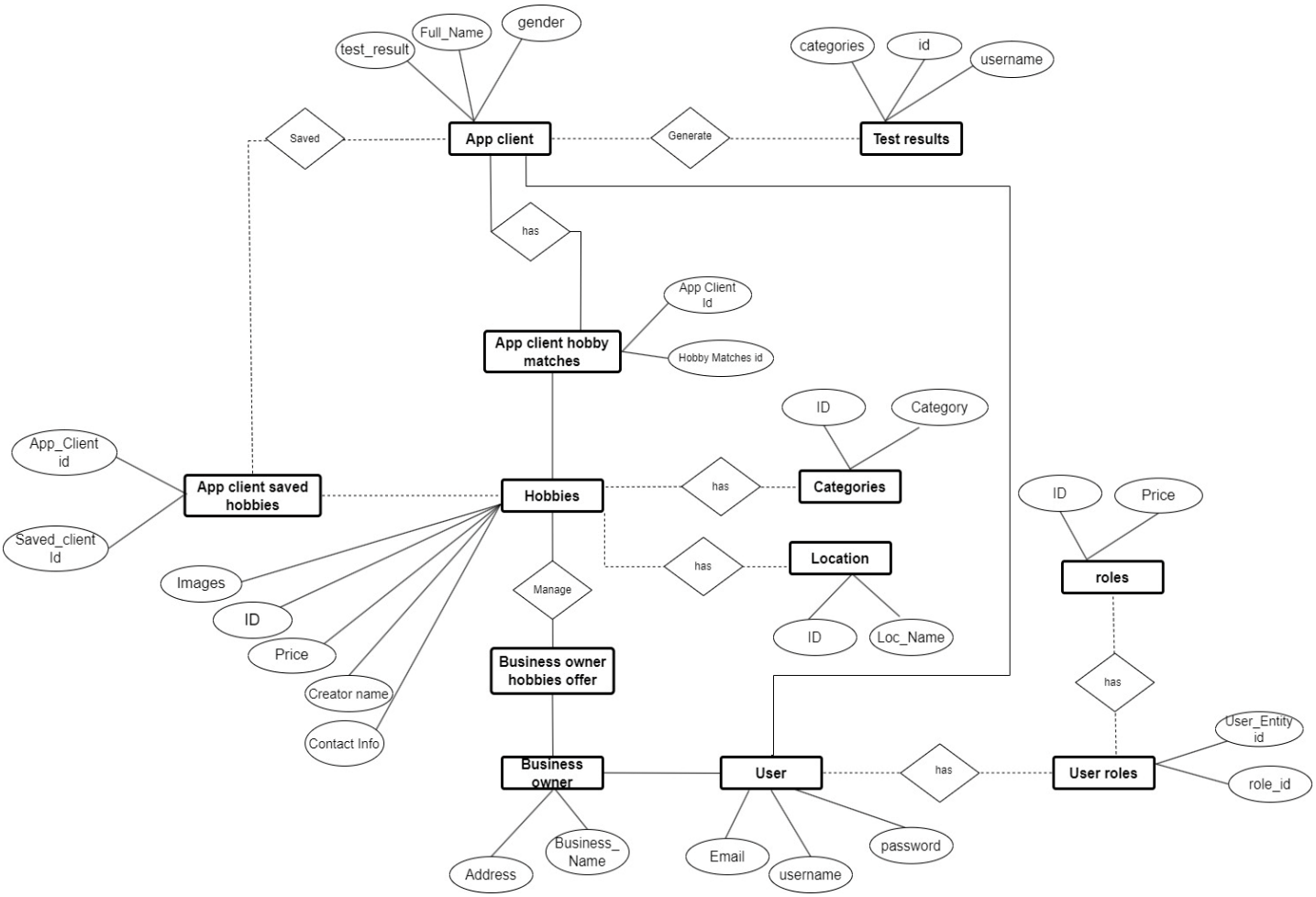

Fig. 2 : ER Diagram

3.3. CLASS DIAGRAM:-

Class diagram is a static diagram. It represents the static view of an application. Class diagram is not only used for visualizing, describing, and documenting different aspects of a system but also for constructing executable code of the software application. Class diagram describes the attributes and operations of a class and also the constraints imposed on the system. The class diagrams are widely used in the modeling of object oriented systems because they are the only UML diagrams, which can be mapped directly with object-oriented languages.

Class diagram shows a collection of classes, interfaces, associations, collaborations, and constraints. It is also known as a structural diagram. The purpose of the class diagram can be summarized as:-

A. Analysis and design of the static view of an application.
B. Describe responsibilities of a system.
C. Base for component and deployment diagrams.
D. Forward and reverse engineering.

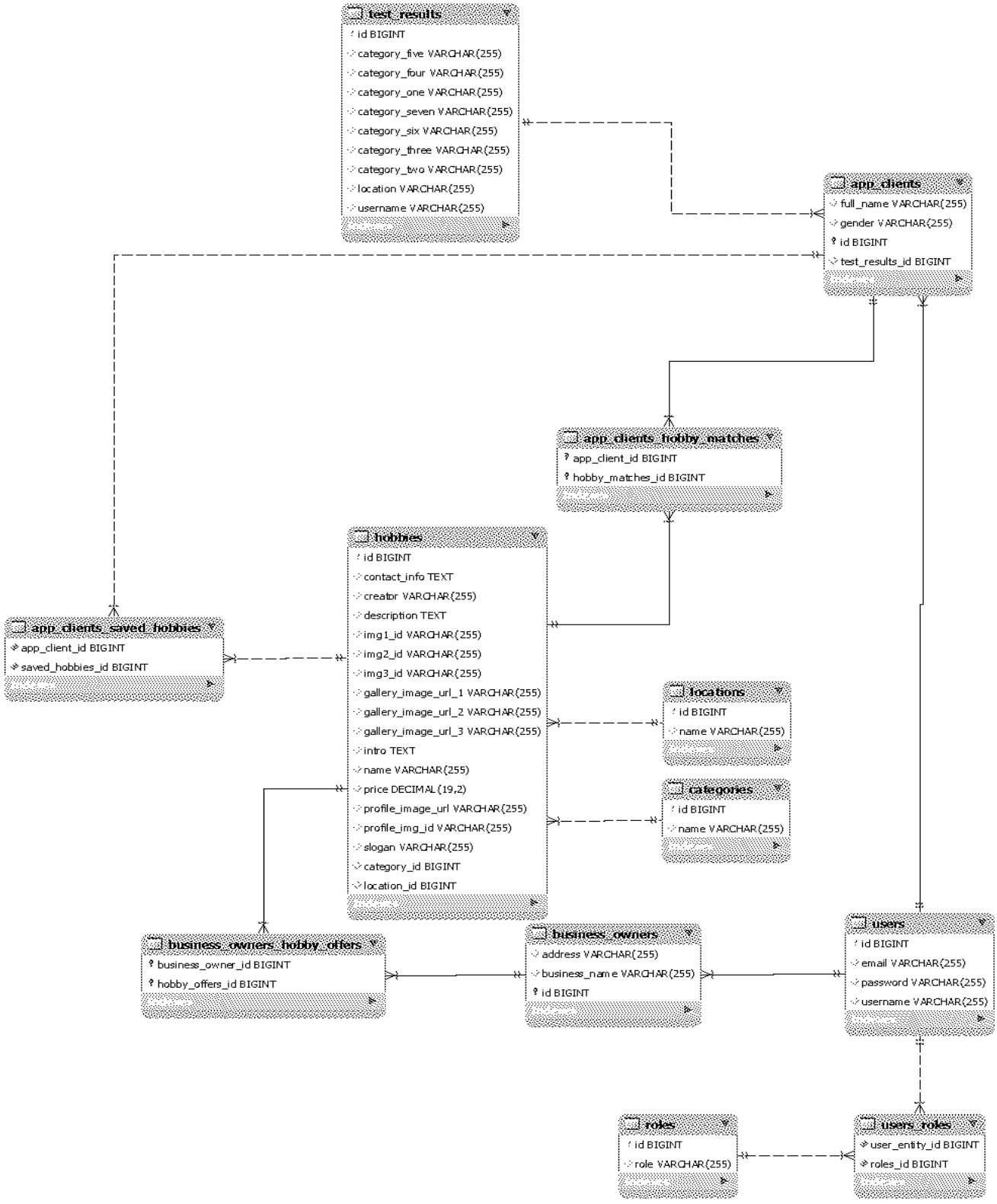

Fig. 3 : Class Diagram

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3.4. ACTIVITY DIAGRAM:-

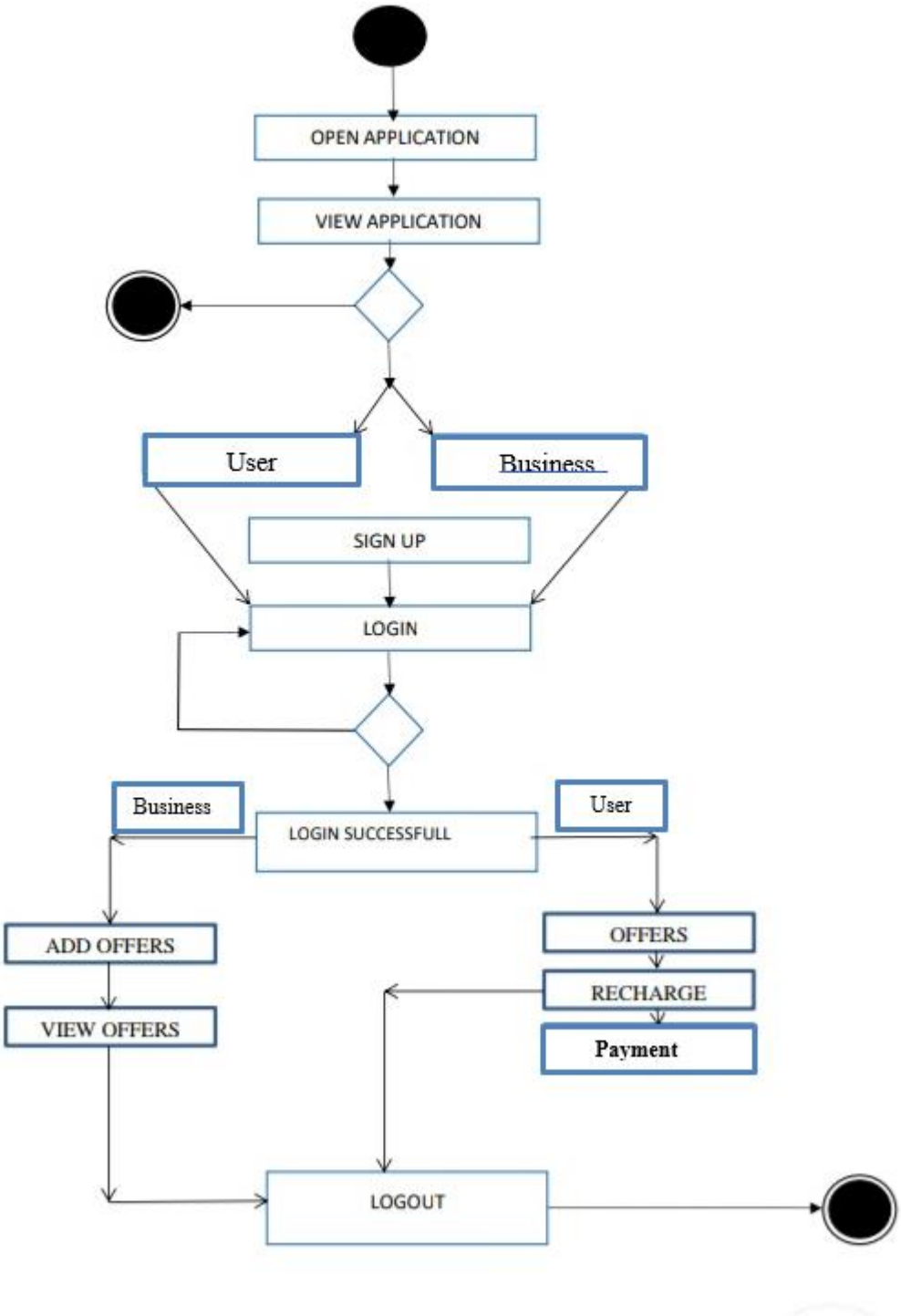


Fig. 4 : Activity Diagram

3.5. DATA FLOW DIAGRAMS:-

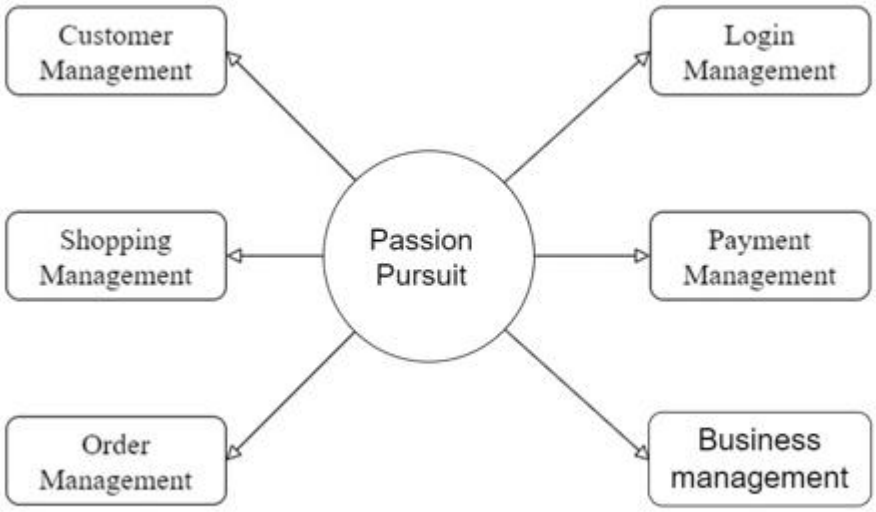


Fig. 5: Zero Level Data Flow Diagram

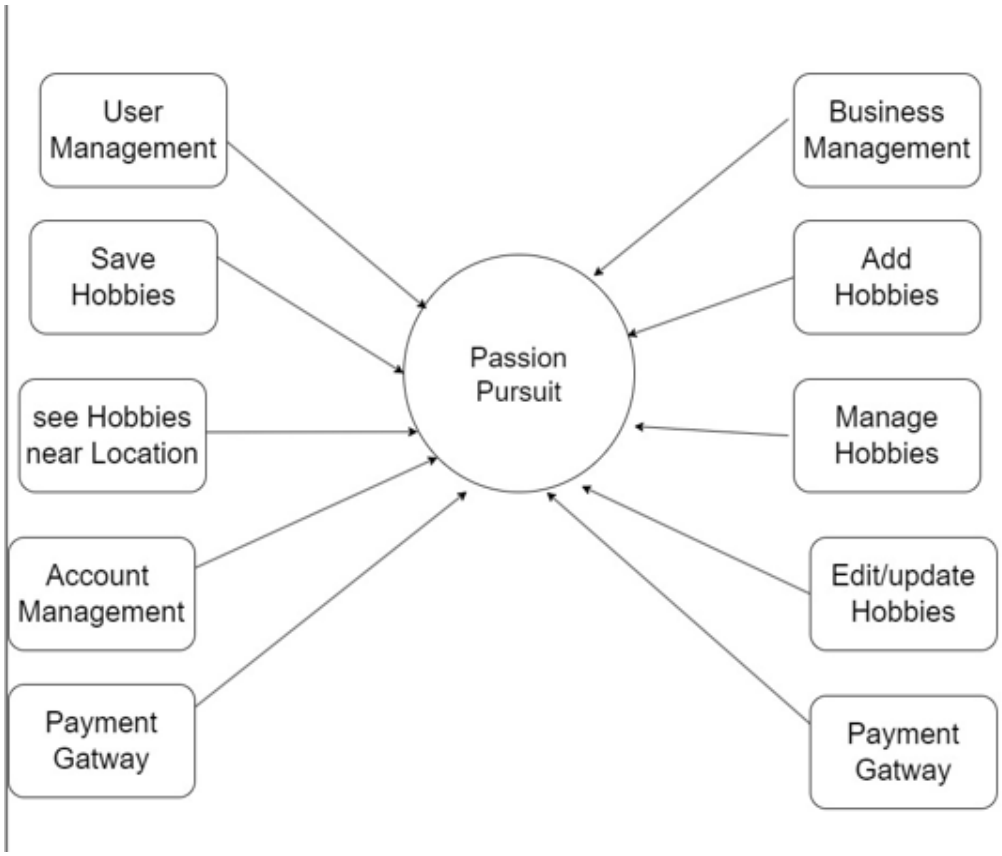


Fig. 6: First Level Data Flow Diagram

3.5. DEPLOYMENT DIAGRAM:-

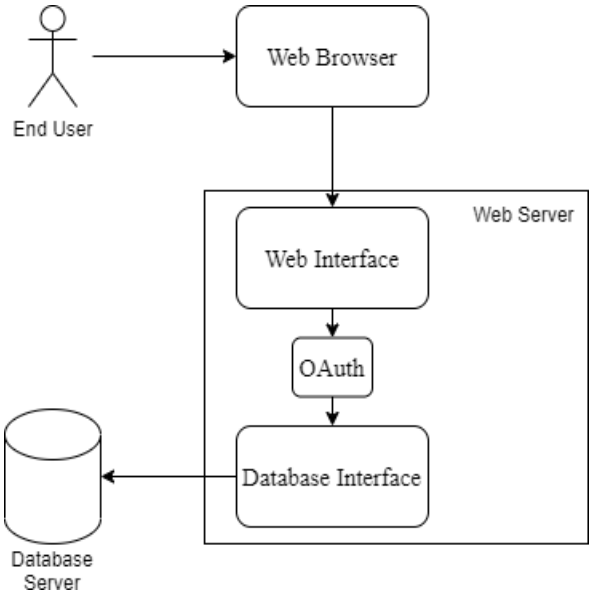


Fig. 7: Deployment Diagram

3.5. SEQUENCE DIAGRAM:

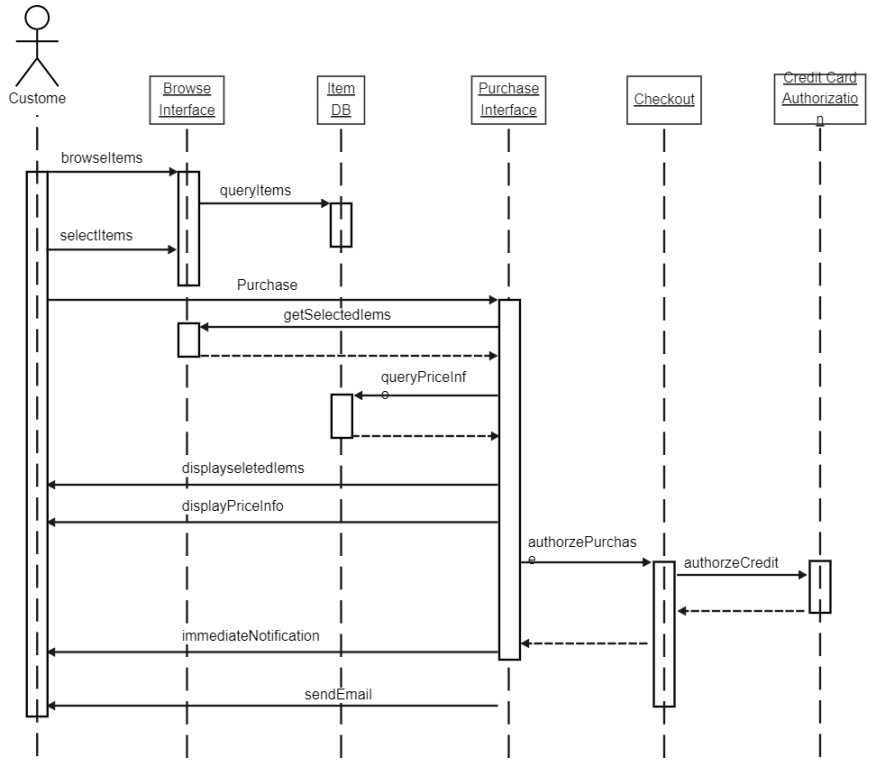


Fig. 8: Sequence Diagram

4 TABLE STRUCTURES

Passion Pursuit web application generate following tables in thedatabase:-

```
mysql> use passionpursuit;
Database changed
mysql> show tables;
+------------------------------+
| Tables_in_passionpursuit     |
+------------------------------+
| app_clients                  |
| app_clients_hobby_matches    |
| app_clients_saved_hobbies    |
| business_owners              |
| business_owners_hobby_offers |
| categories                   |
| hobbies                      |
| locations                    |
| roles                        |
| test_results                 |
| users                        |
| users_roles                  |
+------------------------------+
12 rows in set (1.01 sec)
```

```
mysql> desc app_clients;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| full_name       | varchar(255) | NO   |     | NULL    |       |
| gender          | varchar(255) | NO   |     | NULL    |       |
| id              | bigint      | NO   | PRI | NULL    |       |
| test_results_id | bigint      | YES  | MUL | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
4 rows in set (0.24 sec)
```

```
mysql> desc app_clients_hobby_matches;
+------------------+--------+------+-----+---------+-------+
| Field            | Type   | Null | Key | Default | Extra |
+------------------+--------+------+-----+---------+-------+
| app_client_id    | bigint | NO   | PRI | NULL    |       |
| hobby_matches_id | bigint | NO   | PRI | NULL    |       |
+------------------+--------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

```
2 rows in set (0.00 sec)

mysql> desc app_clients_saved_hobbies;
+------------------+--------+------+-----+---------+-------+
| Field            | Type   | Null | Key | Default | Extra |
+------------------+--------+------+-----+---------+-------+
| app_client_id    | bigint | NO   | MUL | NULL    |       |
| saved_hobbies_id | bigint | NO   | MUL | NULL    |       |
+------------------+--------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

```
mysql> desc business_owners;
+---------------+--------------+------+-----+---------+-------+
| Field         | Type         | Null | Key | Default | Extra |
+---------------+--------------+------+-----+---------+-------+
| address       | varchar(255) | NO   |     | NULL    |       |
| business_name | varchar(255) | NO   |     | NULL    |       |
| id            | bigint       | NO   | PRI | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

```
3 rows in set (0.00 sec)

mysql> desc  business_owners_hobby_offers;
+-------------------+--------+------+-----+---------+-------+
| Field             | Type   | Null | Key | Default | Extra |
+-------------------+--------+------+-----+---------+-------+
| business_owner_id | bigint | NO   | PRI | NULL    |       |
| hobby_offers_id   | bigint | NO   | PRI | NULL    |       |
+-------------------+--------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

```
mysql> desc categories;
+-------+--------------+------+-----+---------+----------------+
| Field | Type         | Null | Key | Default | Extra          |
+-------+--------------+------+-----+---------+----------------+
| id    | bigint       | NO   | PRI | NULL    | auto_increment |
| name  | varchar(255) | YES  | UNI | NULL    |                |
+-------+--------------+------+-----+---------+----------------+
2 rows in set (0.02 sec)
```

```
mysql> desc hobbies;
+--------------------+--------------+------+-----+---------+----------------+
| Field              | Type         | Null | Key | Default | Extra          |
+--------------------+--------------+------+-----+---------+----------------+
| id                 | bigint       | NO   | PRI | NULL    | auto_increment |
| contact_info       | text         | YES  |     | NULL    |                |
| creator            | varchar(255) | YES  |     | NULL    |                |
| description        | text         | YES  |     | NULL    |                |
| img1_id            | varchar(255) | YES  |     | NULL    |                |
| img2_id            | varchar(255) | YES  |     | NULL    |                |
| img3_id            | varchar(255) | YES  |     | NULL    |                |
| gallery_image_url_1 | varchar(255) | YES  |     | NULL    |                |
| gallery_image_url_2 | varchar(255) | YES  |     | NULL    |                |
| gallery_image_url_3 | varchar(255) | YES  |     | NULL    |                |
| intro              | text         | YES  |     | NULL    |                |
| name               | varchar(255) | NO   |     | NULL    |                |
| price              | decimal(19,2) | NO   |     | NULL    |                |
| profile_image_url  | varchar(255) | YES  |     | NULL    |                |
| profile_img_id     | varchar(255) | YES  |     | NULL    |                |
| slogan             | varchar(255) | YES  |     | NULL    |                |
| category_id        | bigint       | YES  | MUL | NULL    |                |
| location_id        | bigint       | YES  | MUL | NULL    |                |
+--------------------+--------------+------+-----+---------+----------------+
18 rows in set (0.00 sec)
```

```
mysql> desc locations;
+-------+--------------+------+-----+---------+----------------+
| Field | Type         | Null | Key | Default | Extra          |
+-------+--------------+------+-----+---------+----------------+
| id    | bigint       | NO   | PRI | NULL    | auto_increment |
| name  | varchar(255) | YES  | UNI | NULL    |                |
+-------+--------------+------+-----+---------+----------------+
2 rows in set (0.00 sec)
```

```
mysql> ^C
mysql> desc roles;
+-------+--------------+------+-----+---------+----------------+
| Field | Type         | Null | Key | Default | Extra          |
+-------+--------------+------+-----+---------+----------------+
| id    | bigint       | NO   | PRI | NULL    | auto_increment |
| role  | varchar(255) | YES  |     | NULL    |                |
+-------+--------------+------+-----+---------+----------------+
2 rows in set (0.00 sec)
```

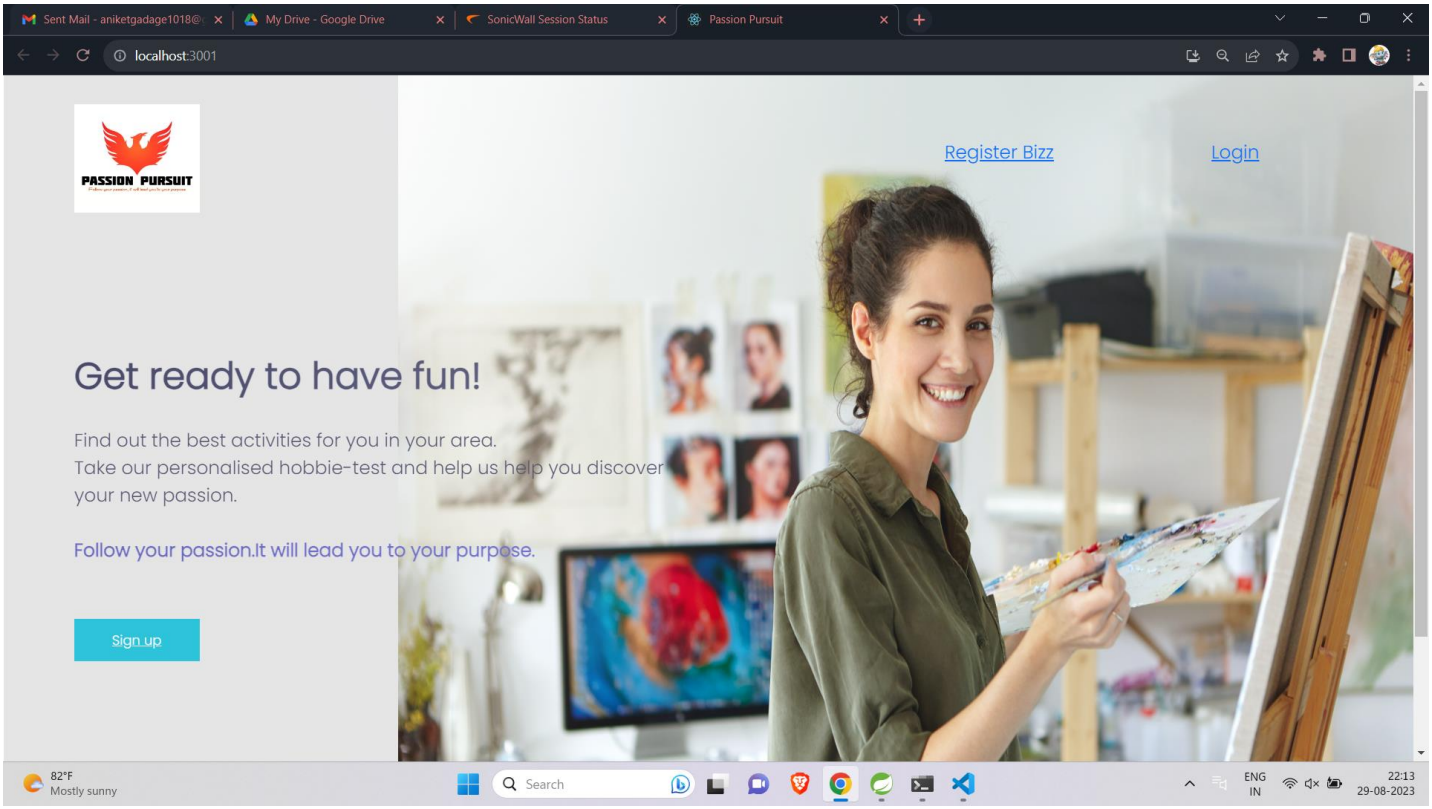
```
mysql> desc test_results;
+----------------+--------------+------+-----+---------+----------------+
| Field          | Type         | Null | Key | Default | Extra          |
+----------------+--------------+------+-----+---------+----------------+
| id             | bigint       | NO   | PRI | NULL    | auto_increment |
| category_five  | varchar(255) | YES  |     | NULL    |                |
| category_four  | varchar(255) | YES  |     | NULL    |                |
| category_one   | varchar(255) | YES  |     | NULL    |                |
| category_seven | varchar(255) | YES  |     | NULL    |                |
| category_six   | varchar(255) | YES  |     | NULL    |                |
| category_three | varchar(255) | YES  |     | NULL    |                |
| category_two   | varchar(255) | YES  |     | NULL    |                |
| location       | varchar(255) | YES  |     | NULL    |                |
| username       | varchar(255) | YES  |     | NULL    |                |
+----------------+--------------+------+-----+---------+----------------+
10 rows in set (0.05 sec)
```

```
mysql> desc users;
+----------+--------------+------+-----+---------+----------------+
| Field    | Type         | Null | Key | Default | Extra          |
+----------+--------------+------+-----+---------+----------------+
| id       | bigint       | NO   | PRI | NULL    | auto_increment |
| email    | varchar(255) | NO   | UNI | NULL    |                |
| password | varchar(255) | NO   |     | NULL    |                |
| username | varchar(255) | NO   | UNI | NULL    |                |
+----------+--------------+------+-----+---------+----------------+
4 rows in set (0.00 sec)
```

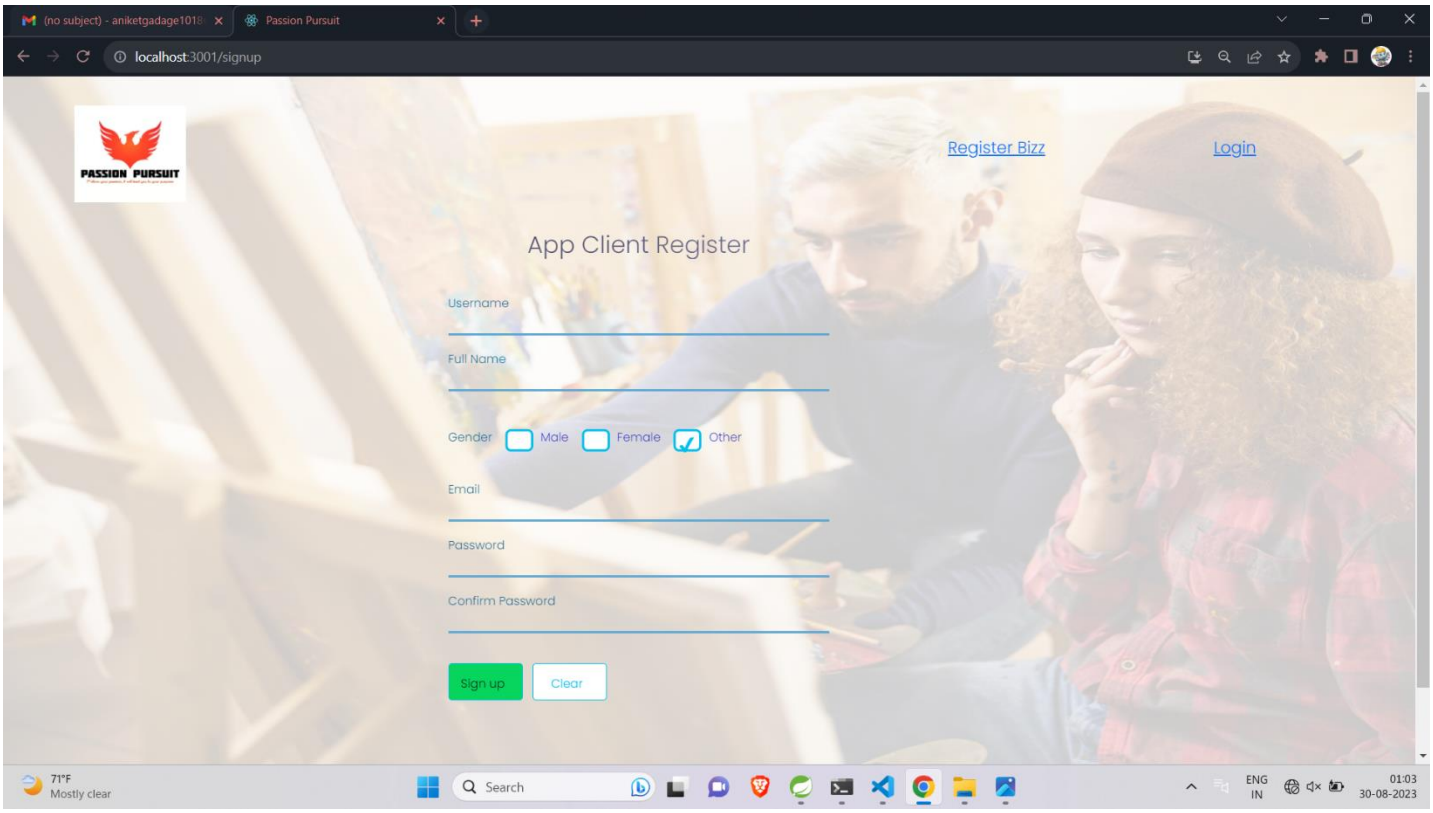
```
mysql> desc users_roles;
+----------------+--------+------+-----+---------+-------+
| Field          | Type   | Null | Key | Default | Extra |
+----------------+--------+------+-----+---------+-------+
| user_entity_id | bigint | NO   | MUL | NULL    |       |
| roles_id       | bigint | NO   | MUL | NULL    |       |
+----------------+--------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

5 PROJECT DIAGRAMS

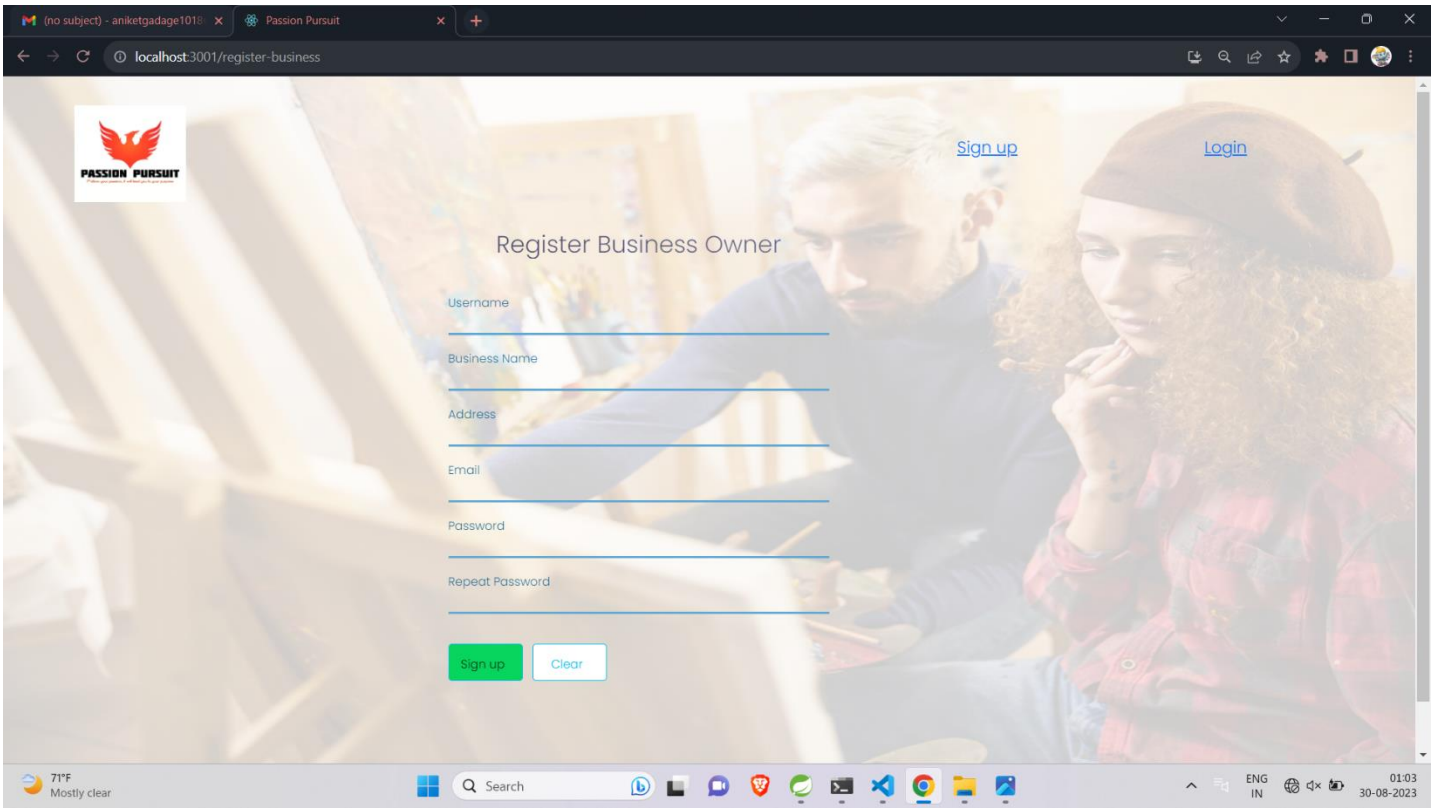
- Welcome page :-



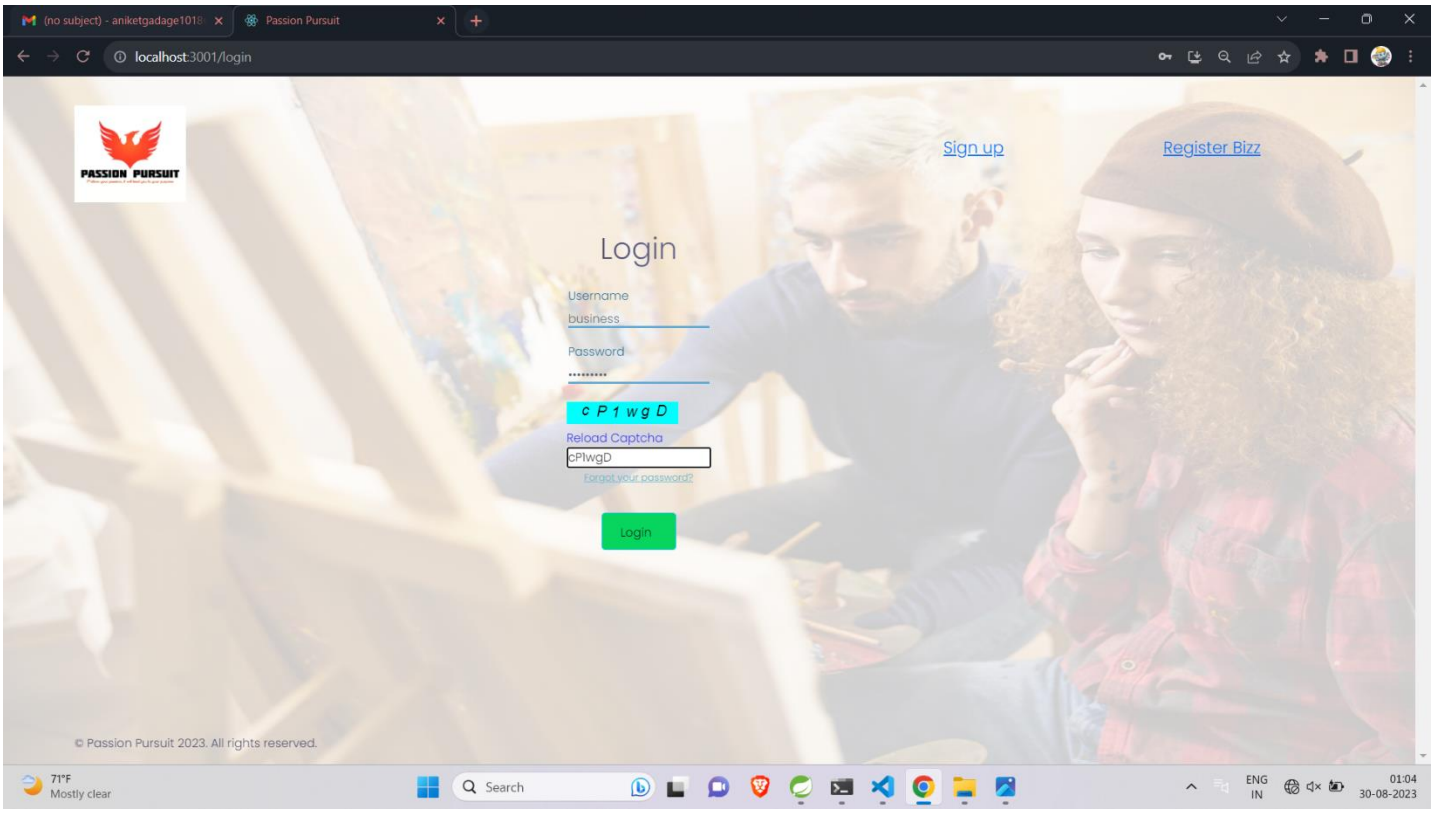
- User Register: -



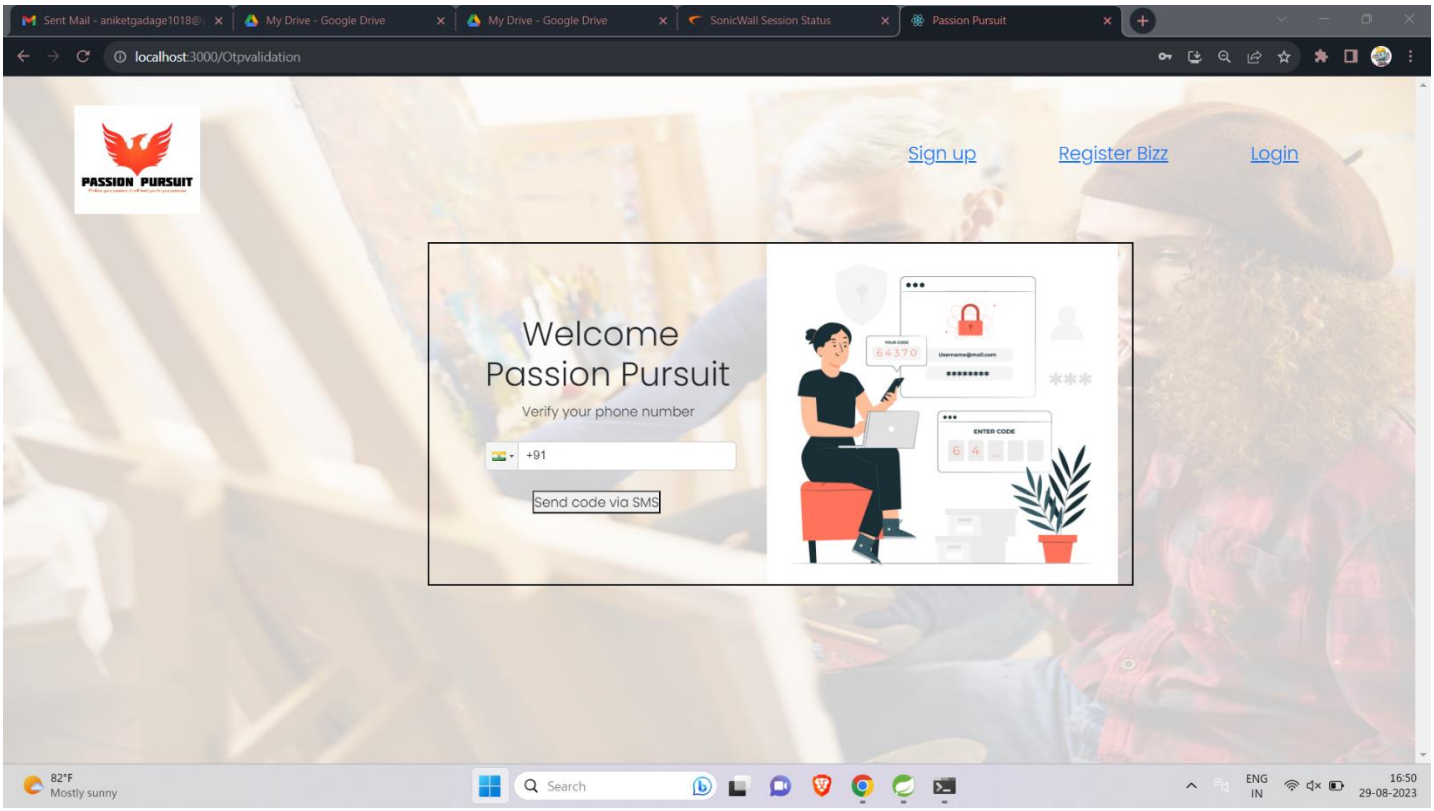
- Business Register :-



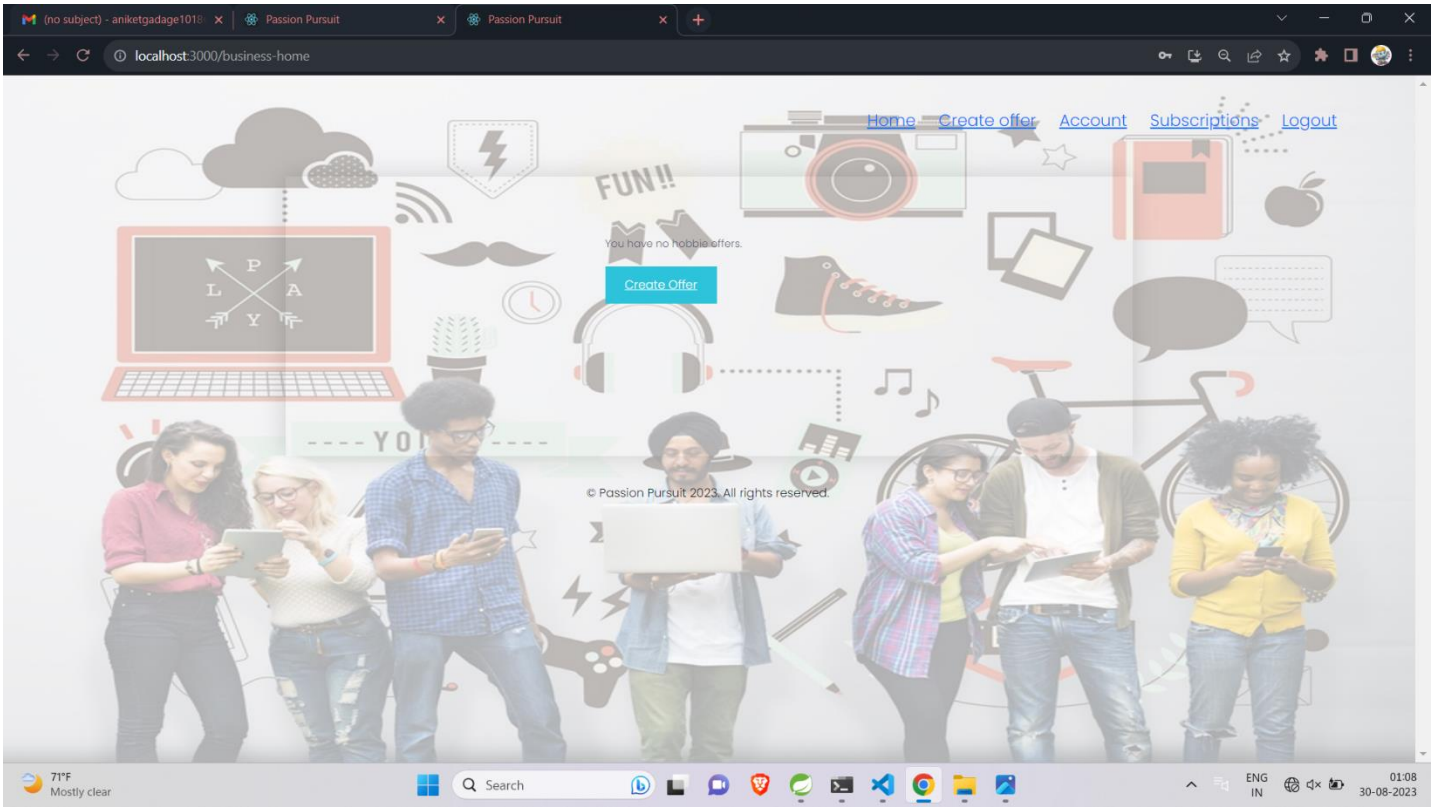
- User And Business Login:-

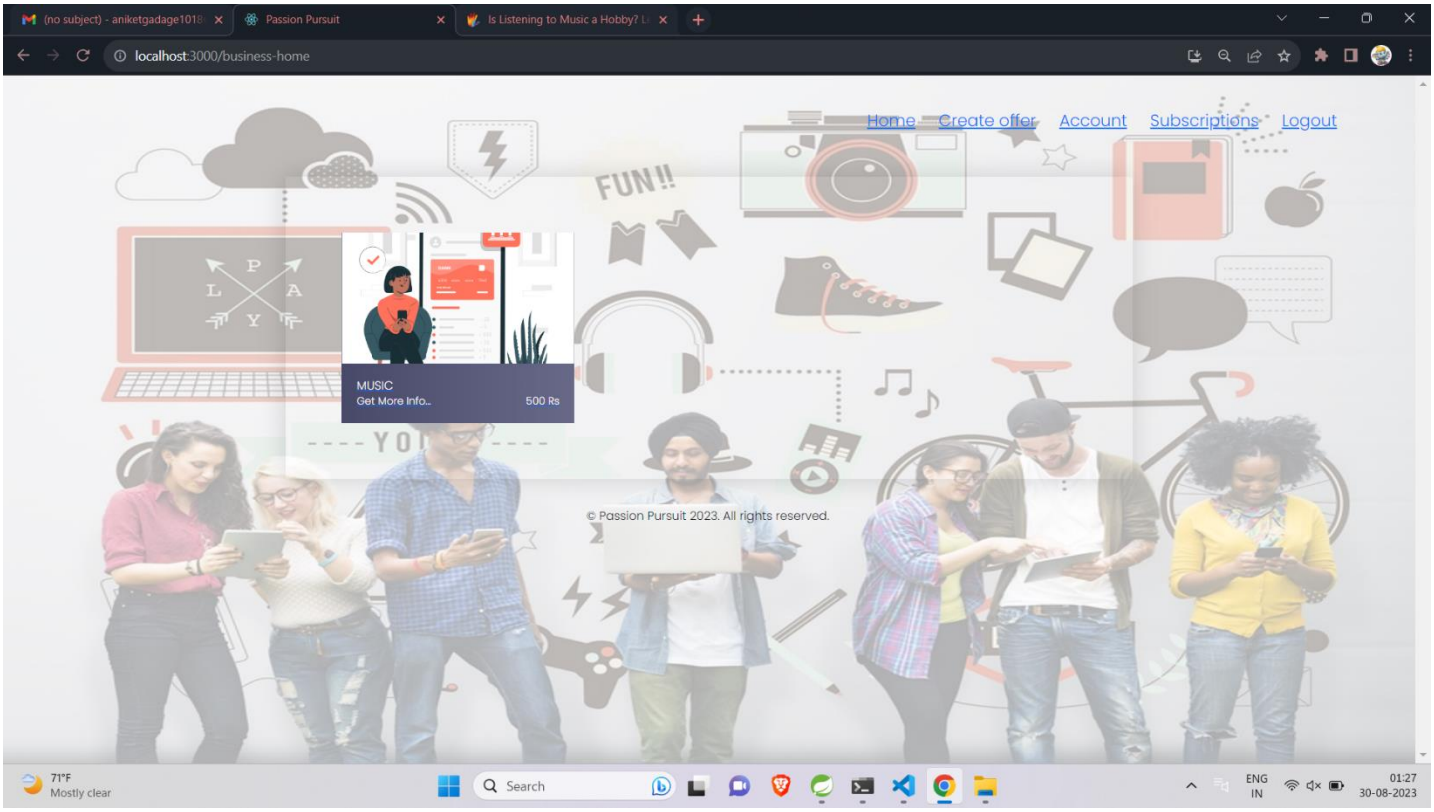


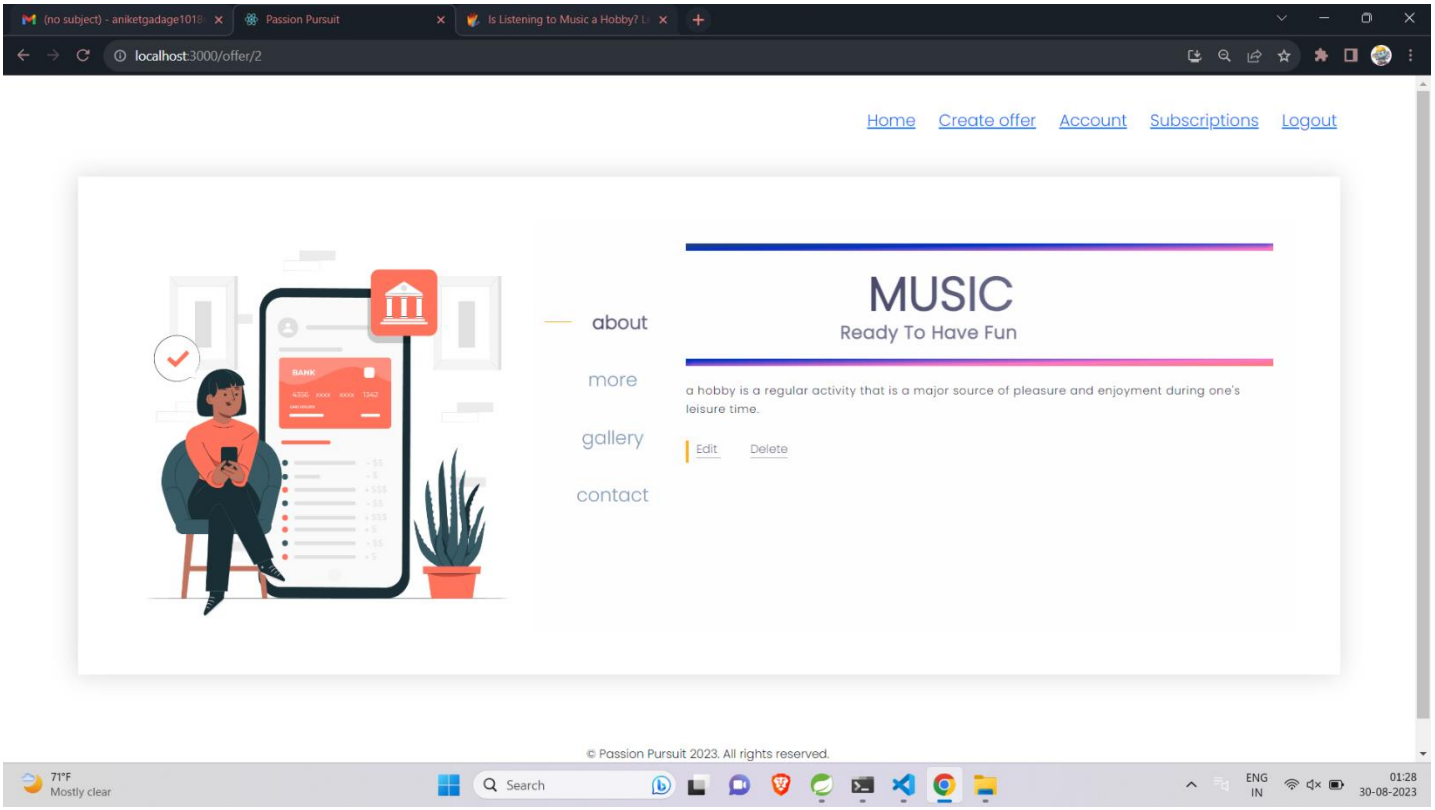
- opt verification:-



- Business Owner View: -






Passion Pursuit
localhost:3000/offer/2
Home
Create offer
Account
Subscriptions
Logout
about
more
gallery
contact
MUSIC
Ready To Have Fun
a hobby is a regular activity that is a major source of pleasure and enjoyment during one's leisure time.
Edit
Delete
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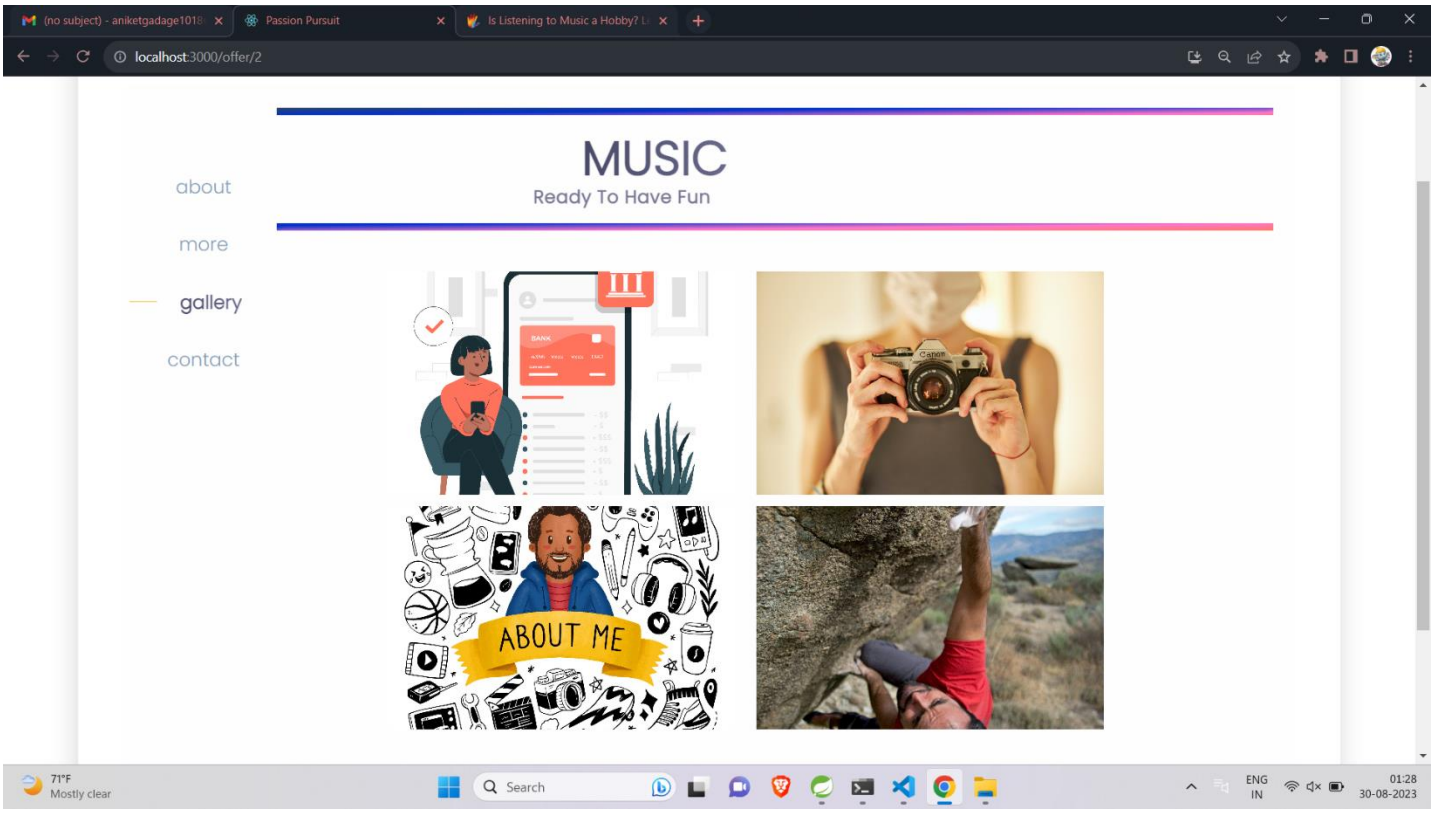
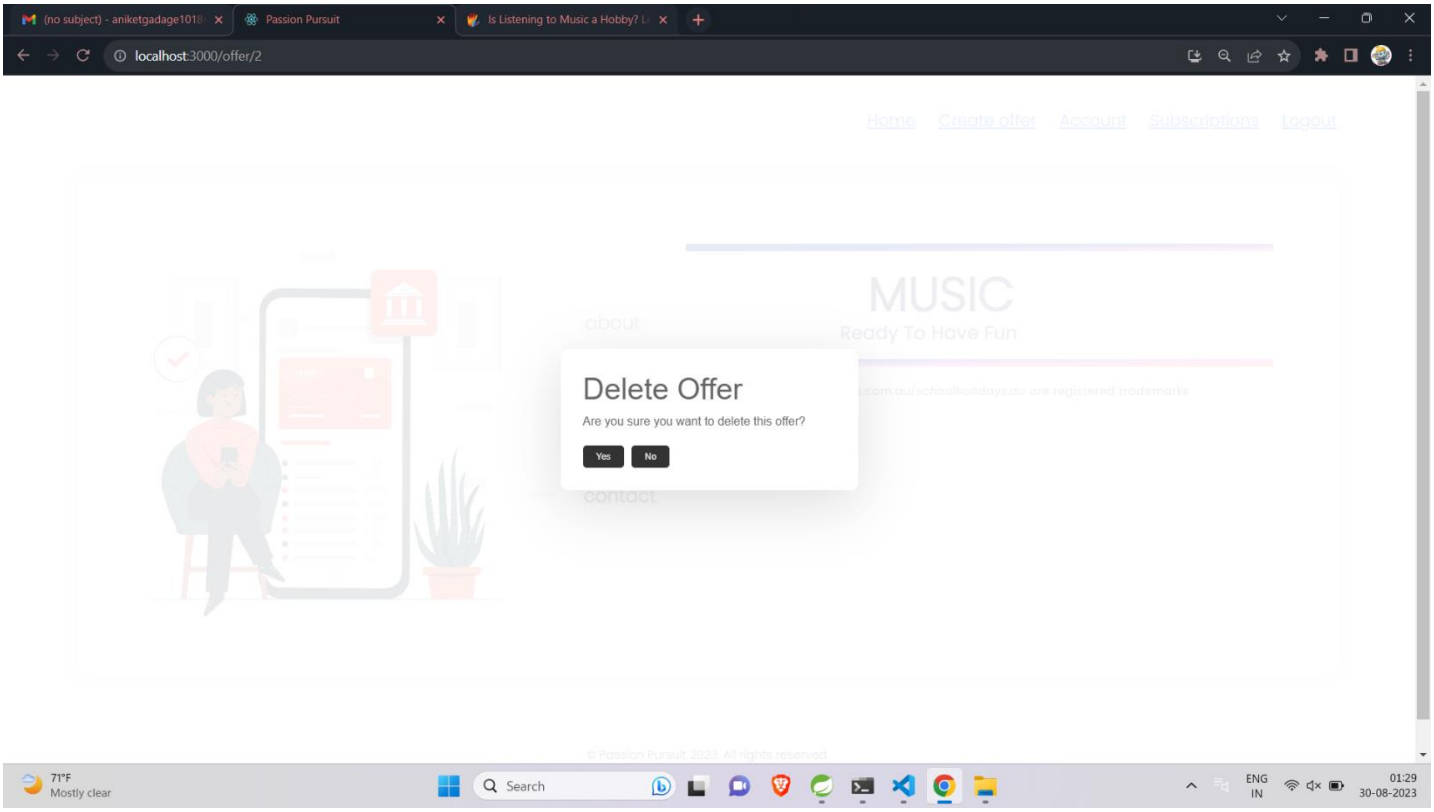

Passion Pursuit
localhost:3000/offer/2
about
more
gallery
contact
MUSIC
Ready To Have Fun
ABOUT ME


Passion Pursuit
localhost:3000/offer/2
Home
Create offer
Account
Subscriptions
logout
MUSIC
Ready To Have Fun
about
contact
Delete Offer
Are you sure you want to delete this offer?
Yes
No
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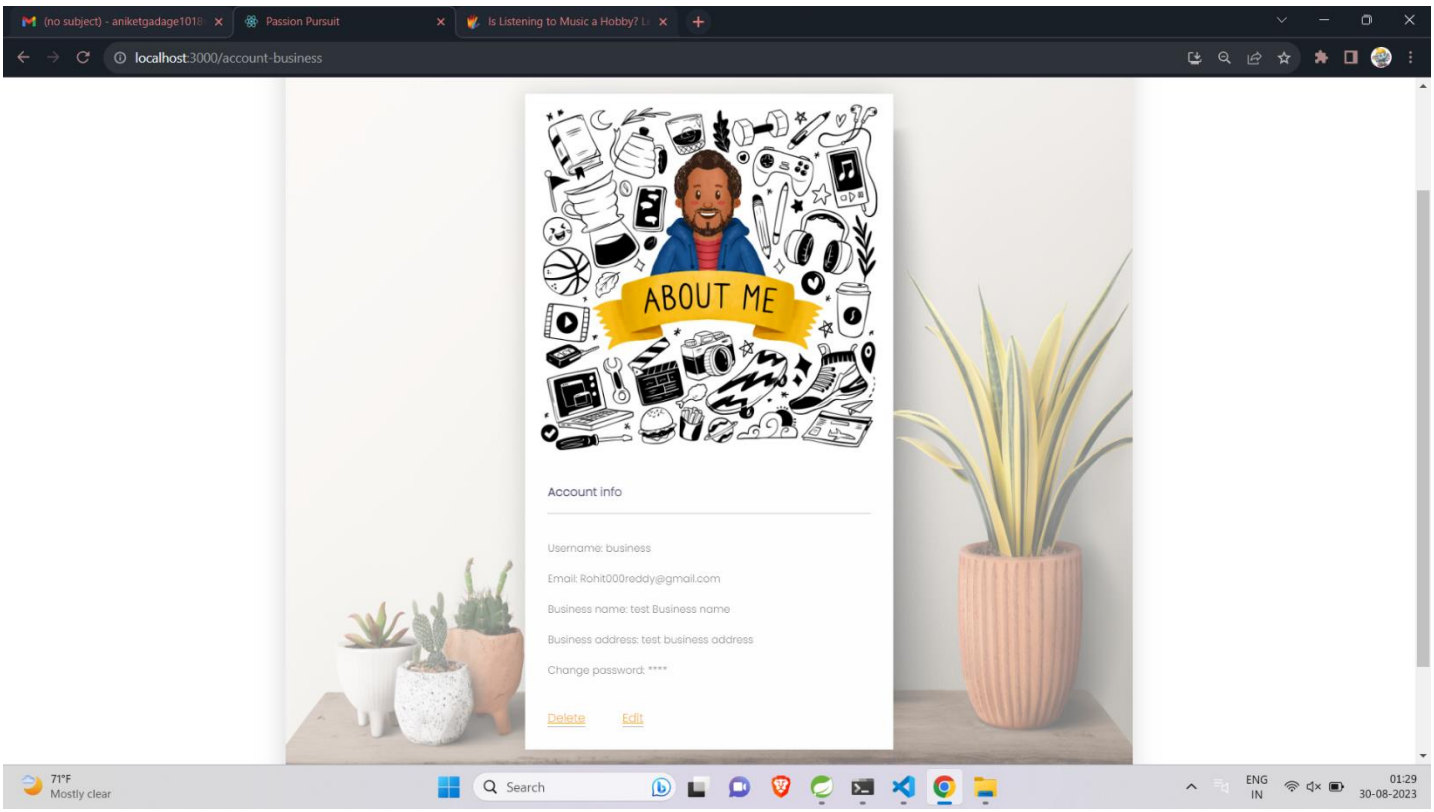
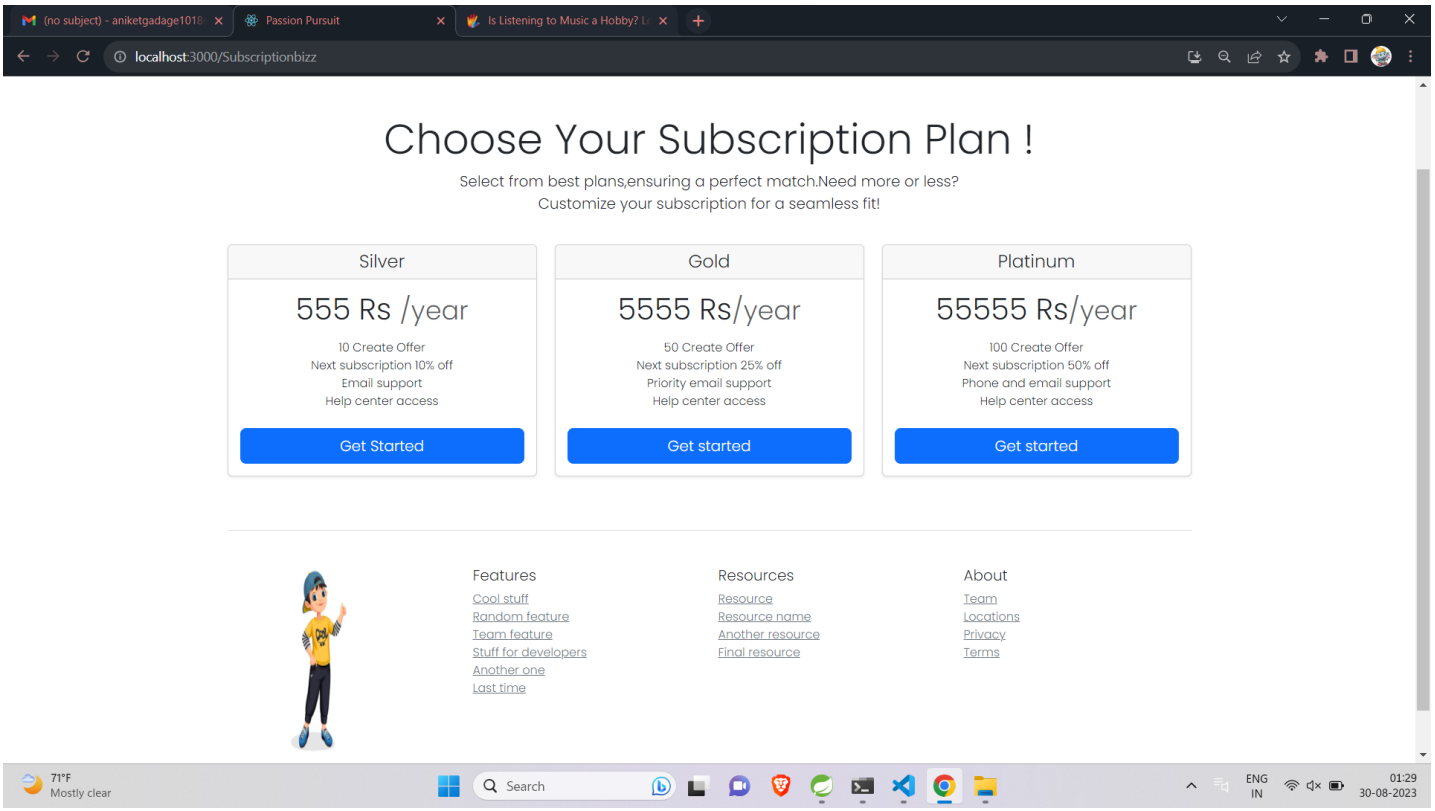
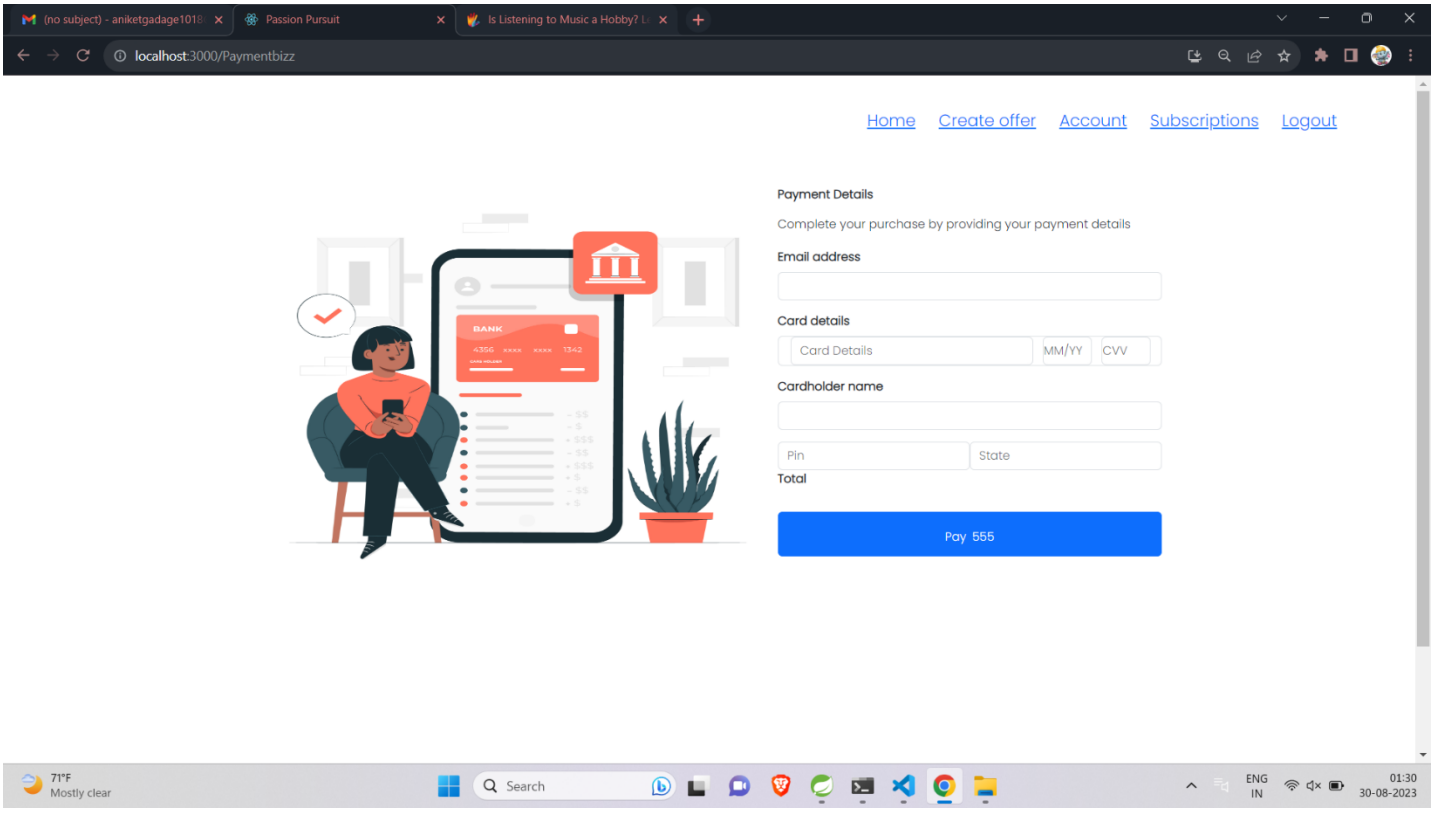
71°F
Mostly clear
Search
ENG
IN
01:29
30-08-2023

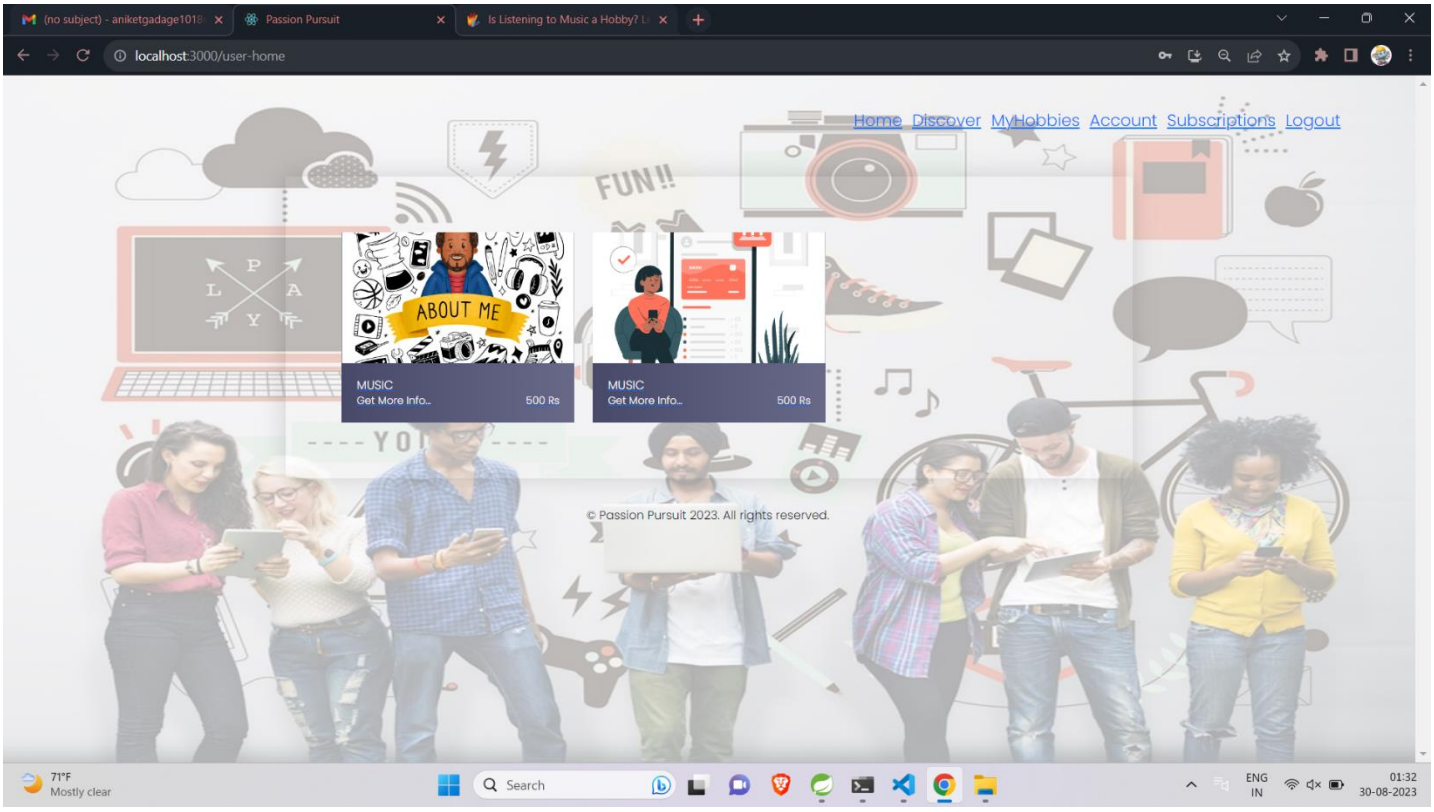

Passion Pursuit
localhost:3000/account-business
ABOUT ME
Account info
Username: business
Email: Rohit000reddy@gmail.com
Business name: test Business name
Business address: test business address
Change password: ****
Delete
Edit
71°F
Mostly clear
Search
ENG
IN
01:29
30-08-2023

- Payment Gateway:-





- User View :-


localhost:3000/user-home
Home Discover MyHobbies Account Subscriptions Logout
FUN!!
ABOUT ME
MUSIC
Get More Info..
500 Rs
MUSIC
Get More Info..
500 Rs
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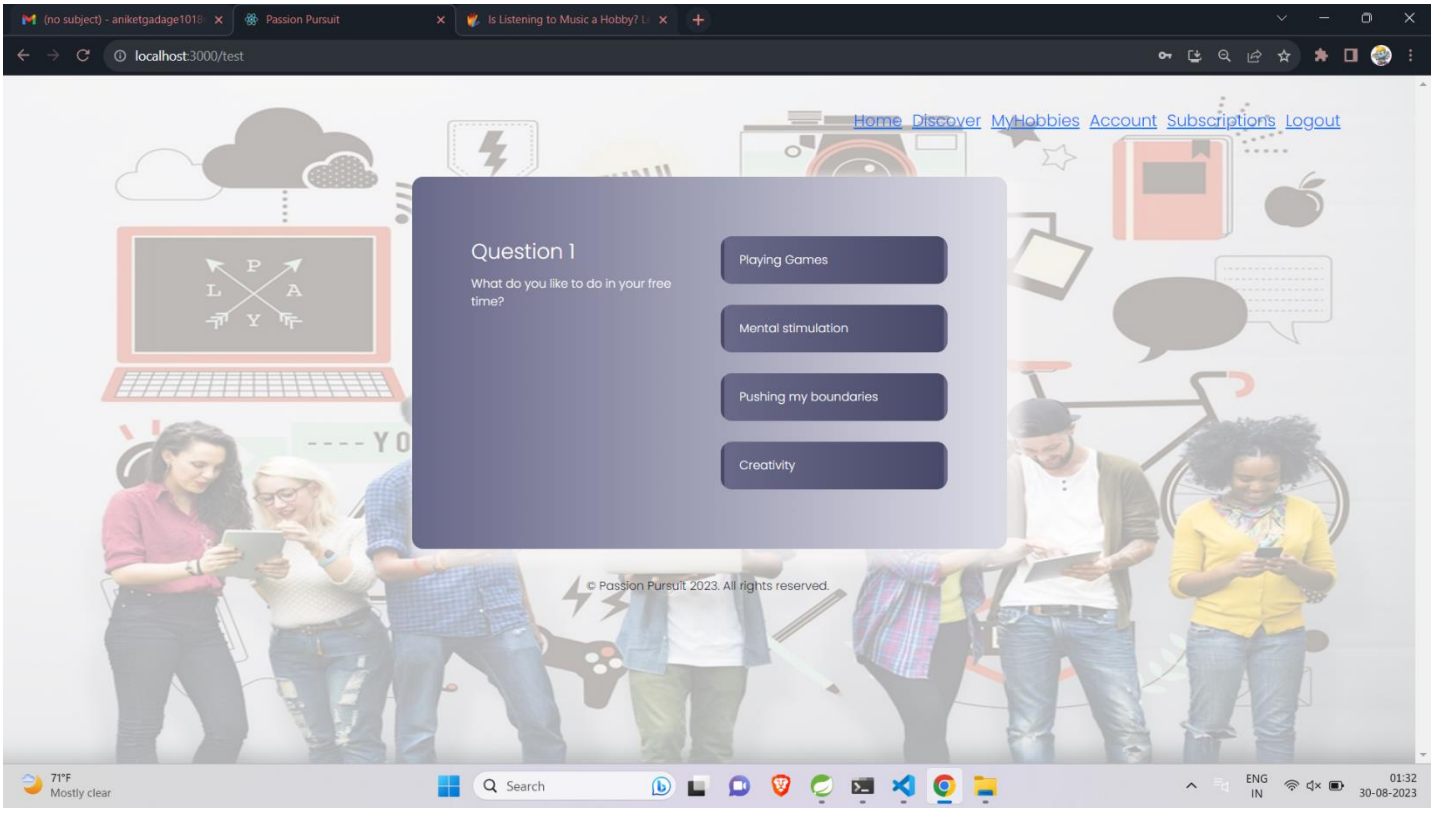
localhost:3000/test
Home Discover MyHobbies Account Subscriptions Logout
Question 1
What do you like to do in your free time?
Playing Games
Mental stimulation
Pushing my boundaries
Creativity
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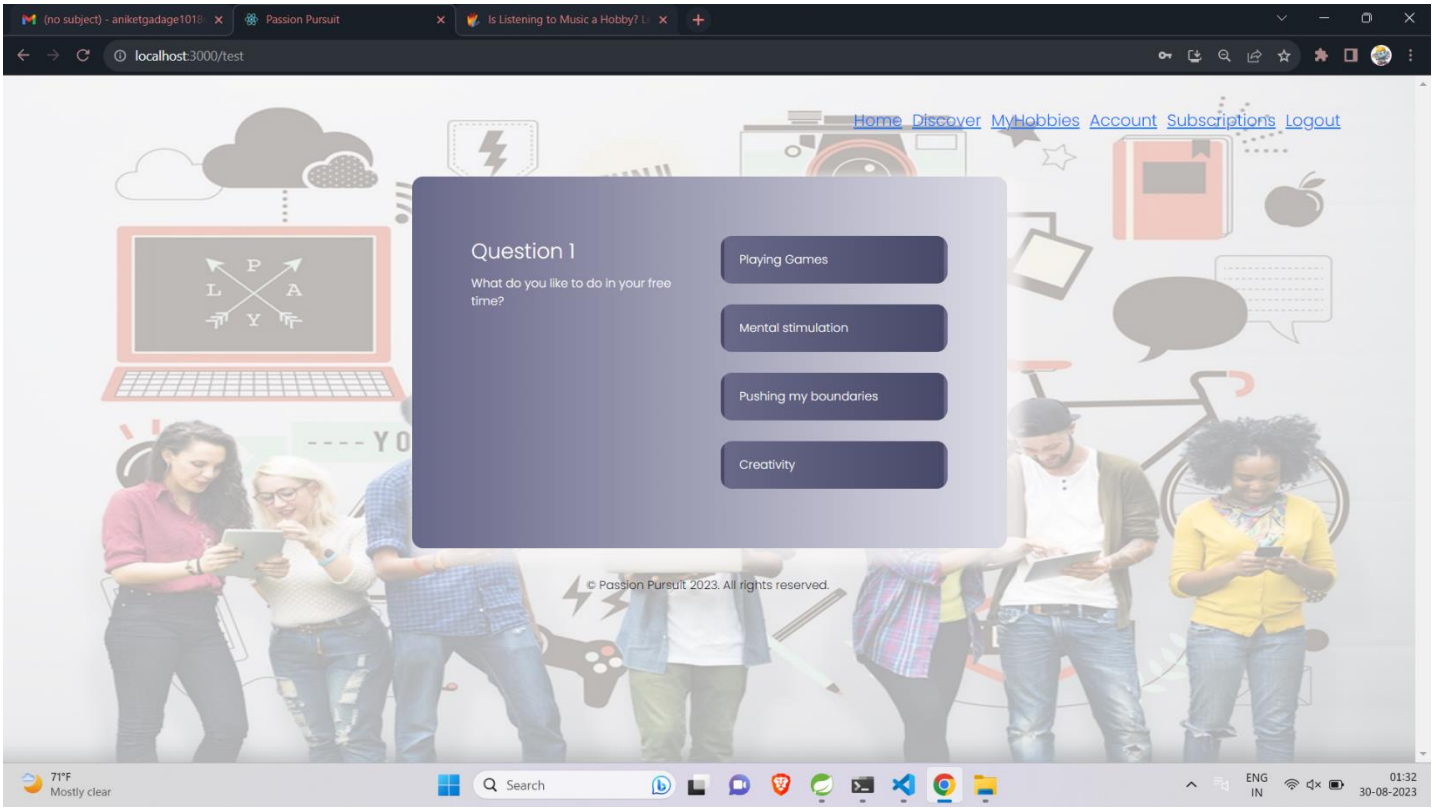
(no subject) - aniketgadage1018
Passion Pursuit
Is Listening to Music a Hobby?
localhost:3000/test
Home Discover MyHobbies Account Subscriptions Logout
Question 1
What do you like to do in your free time?
Playing Games
Mental stimulation
Pushing my boundaries
Creativity
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71°F
Mostly clear
Search
ENG
IN
01:32
30-08-2023

6 CONCLUSION

The Passion Pursuit project aims to bridge the gap between consumers and small businesses in various sectors by providing a service-oriented platform. By allowing users to categorize and showcase their projects based on their hobbies and interests, and enabling business owners to manage their profiles and events, the platform fosters engagement and connections. Through secure login mechanisms and user-friendly interfaces, the project aims to deliver a seamless experience to users and business owners alike, promoting a thriving ecosystem of creativity, passion, and entrepreneurship in the Arts, Entertainment, Music, Cooking, Fitness, Sports, and Recreation sectors.

7 REFERENCES

[1] JavaScript Enlightenment, Cody Lindley-First Edition, based on JavaScript 1.5, ECMA-262, Edition

[2] Mc Graw Hill's, Java: The complete reference 7thEdition, Herbert Scheldt

[3] Complete CSS Guide, Maxine Sherrin and John Allsopp-O'Reilly Media; September 2012

ONLINE REFERENCE

Following references are considered throughout the development of Passion Pursuit:-

- Google for problem solving
- https://www.tutorialspoint.com/java/
- http://www.javatpoint.com/java-tutorial
- https://docs.oracle.com/javase/tutorial/
- Effective Java By Joshua Bloch
- http://www.tutorialspoint.com/mysql/

GitHub Link:
Rohit Narahare git repository: https://github.com/NarahareRohit/passion-pursuit
Aniket Gadage git repository: https://github.com/AniketGadage10/Passion-Pursuit