

**EXPERIENCExchange - TIME-BASED ACCESS  
PASSES FOR UNIQUE EXPERIENCES**

**A**

**MINI PROJECT REPORT**

**for**

**JAVA - OBJECT ORIENTED PROGRAMMING LAB**

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**MUMBAI - 400 088, MAHARASHTRA (INDIA)**

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# EXPERIENCEXCHANGE - TIME-BASED ACCESS PASSES FOR UNIQUE EXPERIENCES

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## Introduction

The modern experience economy has created a demand for unique, curated, and local experiences that go beyond conventional ticketed events. This report presents **ExperienceXchange**, a platform designed to facilitate the buying, selling, and booking of **time-based access passes** for non-ticketed experiences such as workshops, guided tours, classes, and personal coaching sessions. The focus of the platform is on fair pricing, verified hosts, and a transparent booking process.

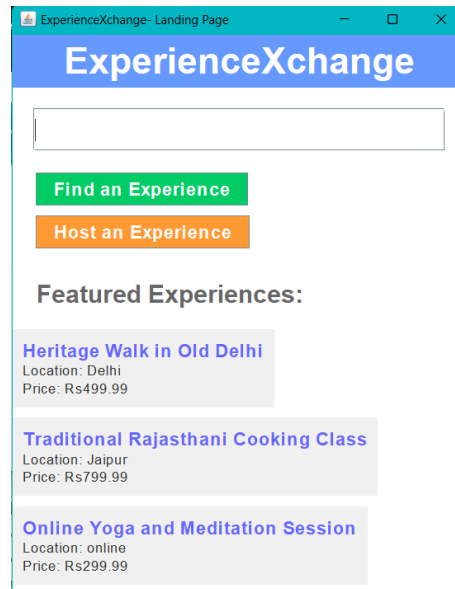
## Objectives

The primary objective of **ExperienceXchange** is to provide a user-friendly, secure, and dynamic platform where hosts can offer, and users can discover and book, both local and online experiences. The key goals include:

- Offering a seamless discovery and booking system for unique experiences.
- Providing a robust host verification and management system.
- Ensuring secure payment processing and transparency for users and hosts.

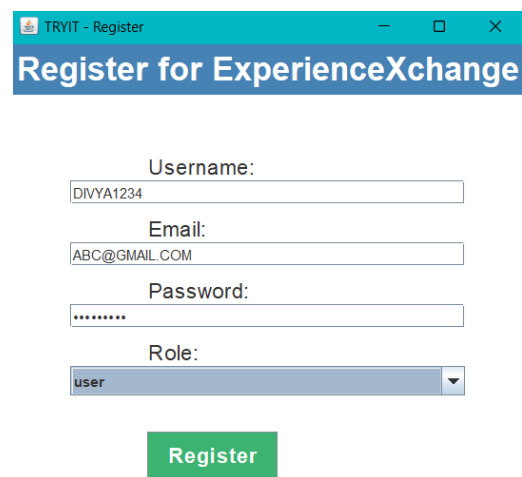
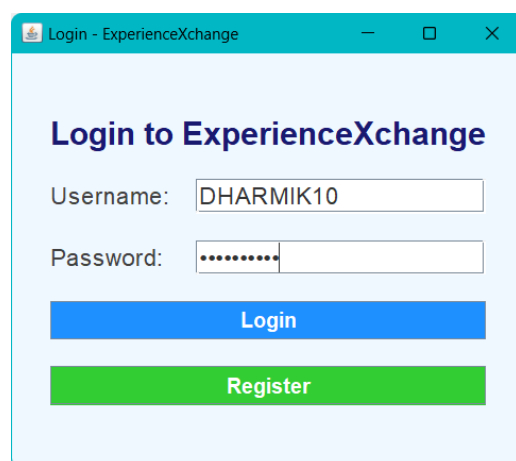
# Features and Pages

## Landing Page



The landing page serves as the primary gateway, featuring the top experiences and offering easy access to both users and hosts via intuitive buttons like *Find an Experience* and *Host an Experience*.

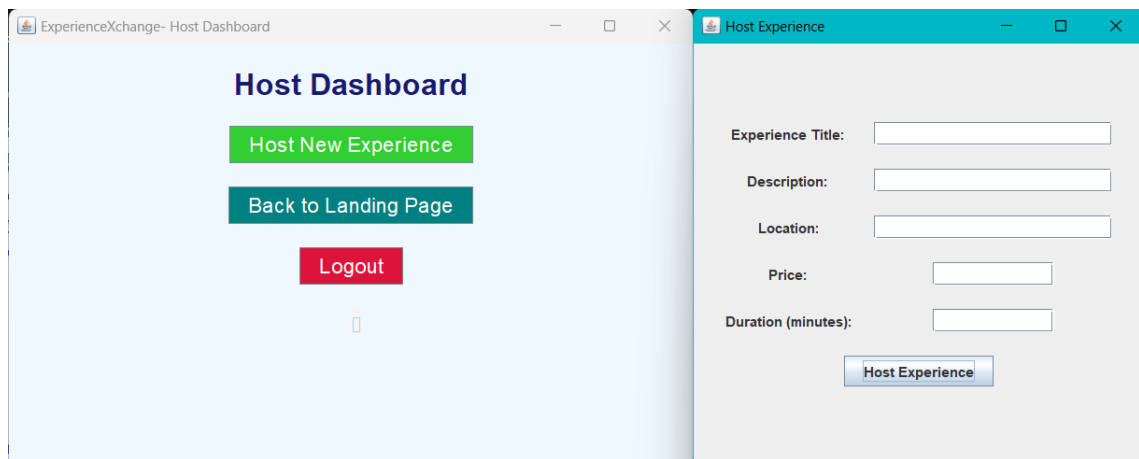
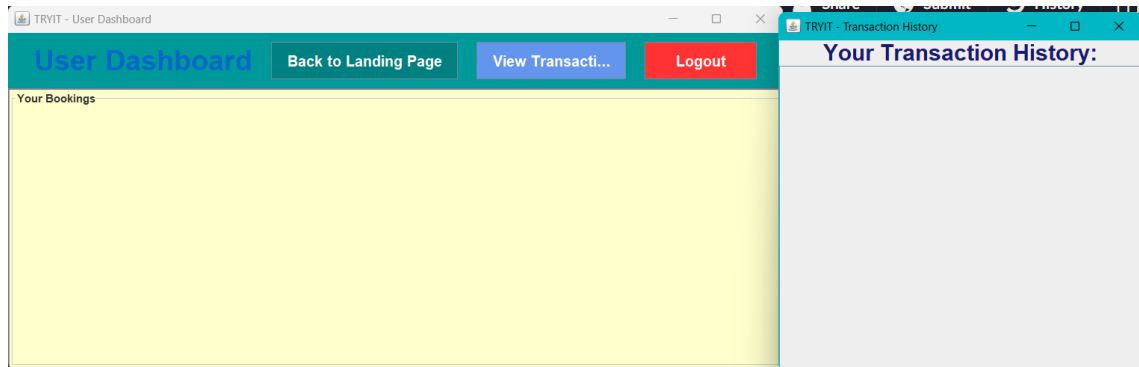
## User Authentication



- **Login/Signup Pages:** Users and hosts can sign up using email(Google, Facebook).

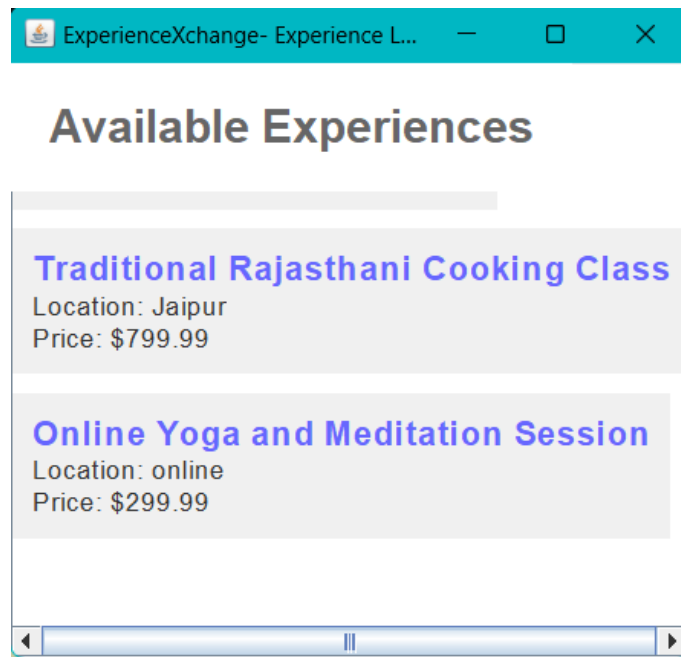
- **User Profiles:** Profiles for both user and hosts to manage bookings, listings, and schedules.

## Dashboard



- **User Dashboard:** Displays booked experiences and upcoming schedules.
- **Host Dashboard:** Allows hosts to manage their listed experiences, update availability, and track bookings.

## Experience Listing Page



Hosts can list new experiences by adding details like type, location, price, and date/time, along with images or videos.

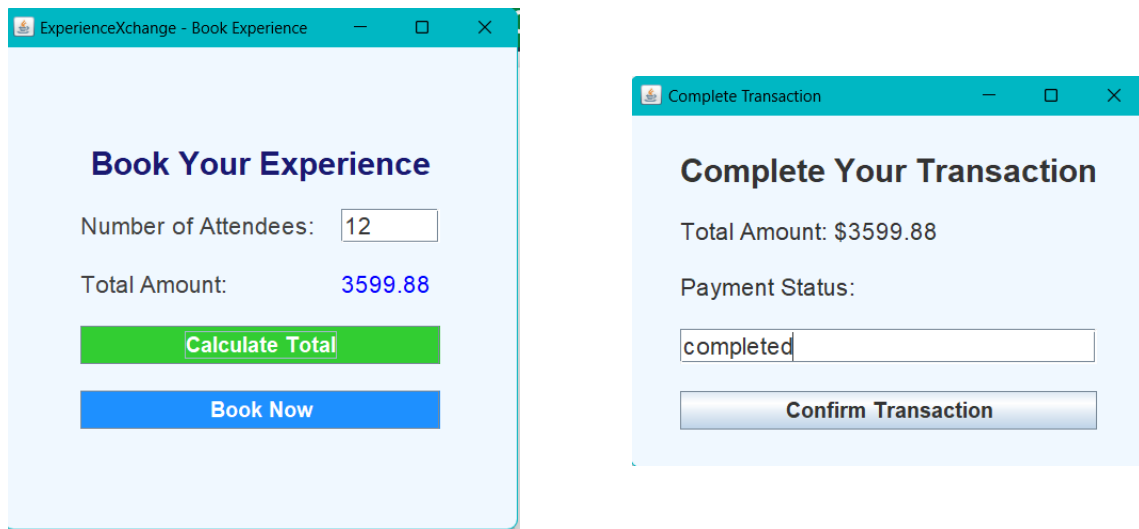
## Search and Browse Experiences

Users can explore experiences based on location, type, or date using filters and a dynamic search bar.

## Host an Experience Page

Each experience has a dedicated page detailing the activity, date, time, price, location (or virtual link if online), and host information.

## Booking and Transaction



**Book Your Experience**  
Number of Attendees:   
Total Amount: 3599.88  
Calculate Total  
Book Now

**Complete Your Transaction**  
Total Amount: \$3599.88  
Payment Status:   
Confirm Transaction

A seamless booking process allows users to select the number of attendees and customize the experience (if applicable) before proceeding to a secure checkout.

## Transaction History

Both users and hosts can access their transaction history to view past bookings, completed sessions, and payment details.

## Database Structure

The platform's database is structured to store user information, experience listings, bookings, and transactions, ensuring an organized and efficient retrieval process.

### Users Table

Field	Type	Description
id	INT	Primary key
username	VARCHAR(50)	Unique username
email	VARCHAR(100)	User email
password	VARCHAR(255)	Hashed password
role	ENUM('user', 'host')	Role of the user
date_created	TIMESTAMP	Account creation date

## Experiences Table

Field	Type	Description
id	INT	Primary key
title	VARCHAR(100)	Experience name
description	TEXT	Detailed description
location	VARCHAR(100)	Location (or "online" if virtual)
host_id	INT	Foreign key referencing Users.id
price	DECIMAL(10,2)	Price per session
duration	INT	Duration in minutes
date_listed	TIMESTAMP	Date experience was listed

## Bookings Table


Field	Type	Description
id	INT	Primary key
experience_id	INT	Foreign key referencing Experiences.id
user_id	INT	Foreign key referencing Users.id
booking_date	TIMESTAMP	Date and time of booking
attendees	INT	Number of attendees
total_amount	DECIMAL(10,2)	Total amount paid

## Transactions Table


Field	Type	Description
id	INT	Primary key
booking_id	INT	Foreign key referencing Bookings.id
payment_status	ENUM('pending', 'completed')	Payment status
transaction_date	TIMESTAMP	Date of transaction
amount	DECIMAL(10,2)	Total price

SELECT * FROM users LIMIT... X						
Max. rows: 100 Fetched Rows: 6						
#	id	username	email	password	role	date_created
1	1	RaviKumar	ravikumar@hotmail.com	1234567890	host	2024-10-09 00:35:40.000
2	2	AnitaSharma	anitasharma@yahoo.com	0987654321	user	2024-10-09 00:35:40.000
3	3	SanjayVerma	sanjayverma@gmail.com	12233445566	host	2024-10-09 00:35:40.000
4	4	DIVYA_1234	SDIVYA721.127@GMAIL.COM	1234	user	2024-10-14 23:58:36.000
5	5	DHARMIK10	DHARMIK@XYZ.COM	1234567890	host	2024-10-16 10:55:43.000

SELECT * FROM experiences... X									
Max. rows: 100 Fetched Rows: 3 Matching Rows:									
#	id	title	description	location	host_id	price	duration	date_listed	
1	1	Heritage Walk in Old Delhi	Explore the rich history and hidden gems of O. Delhi		1	499.99	120	2024-10-09 00:35:40.000	
2	2	Traditional Rajasthani Cooking Class	Heritage Walk in Old Delhi	asthani dishes with. Jaipur	3	799.99	180	2024-10-09 00:35:40.000	
3	3	Online Yoga and Meditation Session	Join a virtual session on Yoga and meditation.	online	1	299.99	60	2024-10-09 00:35:40.000	

SELECT * FROM bookings LI... X							
 Max. rows: <input type="text" value="100"/>   Fetched Rows: 3   Matching Rows: <input type="text"/>							
#	id	experience_id	user_id	booking_date	attendees	total_amount	
1	1	1	2	2024-10-05 10:00:00.000	1	499.99	
2	2	2	2	2024-10-05 11:00:00.000	2	1599.98	
3	3	3	2	2024-10-05 12:00:00.000	1	299.99	

SELECT * FROM transaction... X						
 Max. rows: <input type="text" value="100"/>   Fetched Rows: 3						
#	id	booking_id	payment_status	transaction_date	amount	
1	1	1	completed	2024-10-05 10:05:00.000	499.99	
2	2	2	completed	2024-10-05 11:10:00.000	1599.98	
3	3	3	pending	2024-10-05 12:10:00.000	299.99	

Implementation code

LoginPage

RegisterPage

LandingPage

HostDashboard

UserDashboard

ExperienceListingPage

HostExperiencePage

TransactionConfirmationPage

TransactionHistoryPage

BookingPage

DatabaseConnection

Conclusion

ExperienceXchange offers a comprehensive platform that connects users with unique experiences, both online and in-person. By focusing on an intuitive user interface, seamless booking and payment processes, and a robust database structure, the platform provides a complete solution for experience seekers and hosts alike.