



SMART INDIA HACKATHON 2023

Ministry/Organization Name/Student Innovation: AICTE, MIC-Student Innovation

PS Code: 1486

Problem Statement Title: Student Innovation

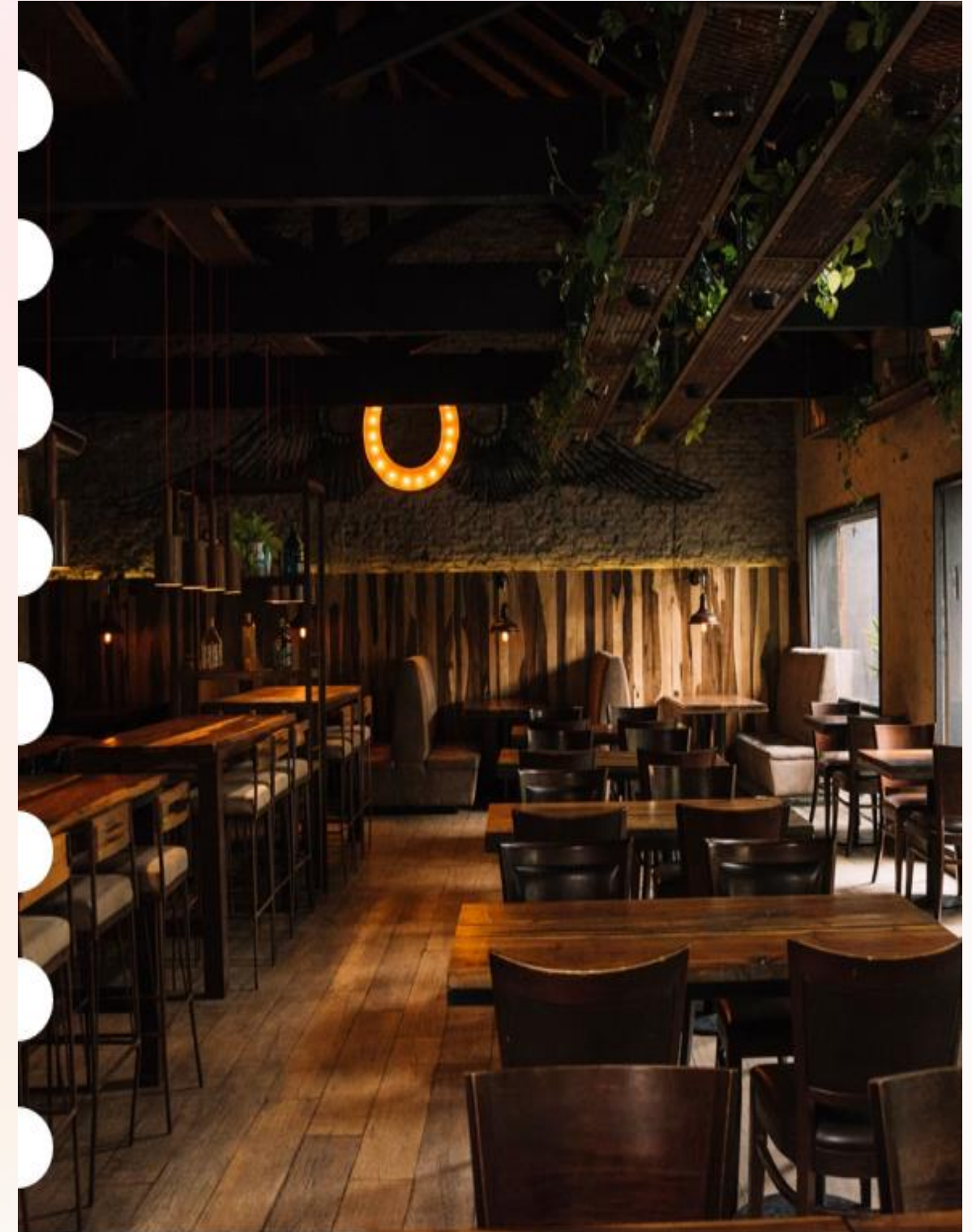
Team Name: Thinkers

Team Leader Name: Tushar Khapre

Institute Code (AISHE): C-33758

Institute Name: Lokmanya Tilak College of Engineering, Koparkhairane

Theme Name: Travel and Tourism




Idea/Approach Details




Collaborative Android Application for Meet Place Booking

This App includes necessary features like user registration, location wise hotel search, checking availability of tables & booking, purpose and duration of booking.




Venue Reservation Pricing Information

Discover transparent and up-to-date pricing details for your meet. Our comprehensive guide offers clear insights into reservation costs, helping you plan your next meet with confidence and ease.



Review and Rating System with User Authentication

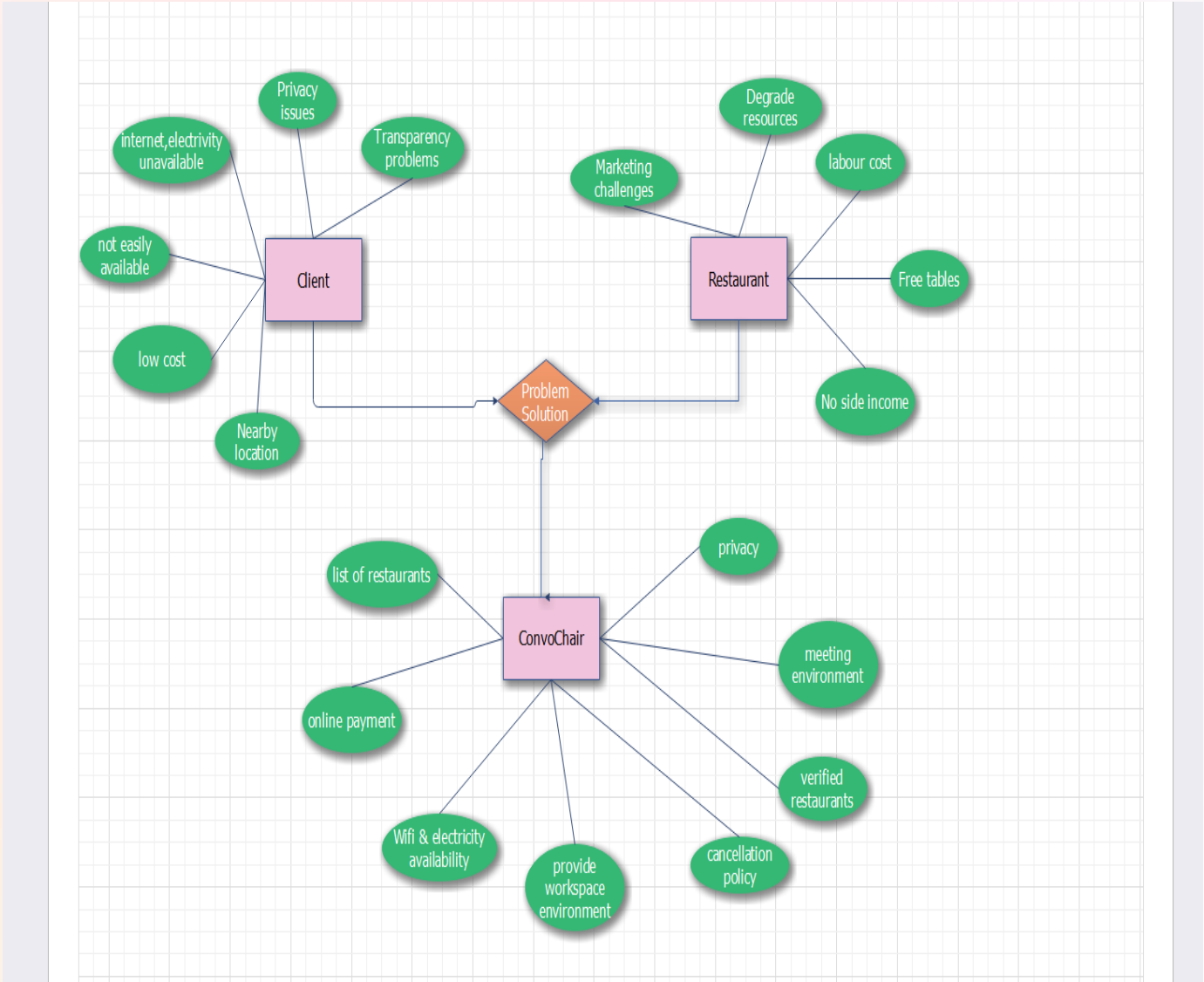
Discover transparent and up-to-date pricing details for your meet. Our comprehensive guide offers clear insights into reservation costs, helping you plan your next meet with confidence and ease.



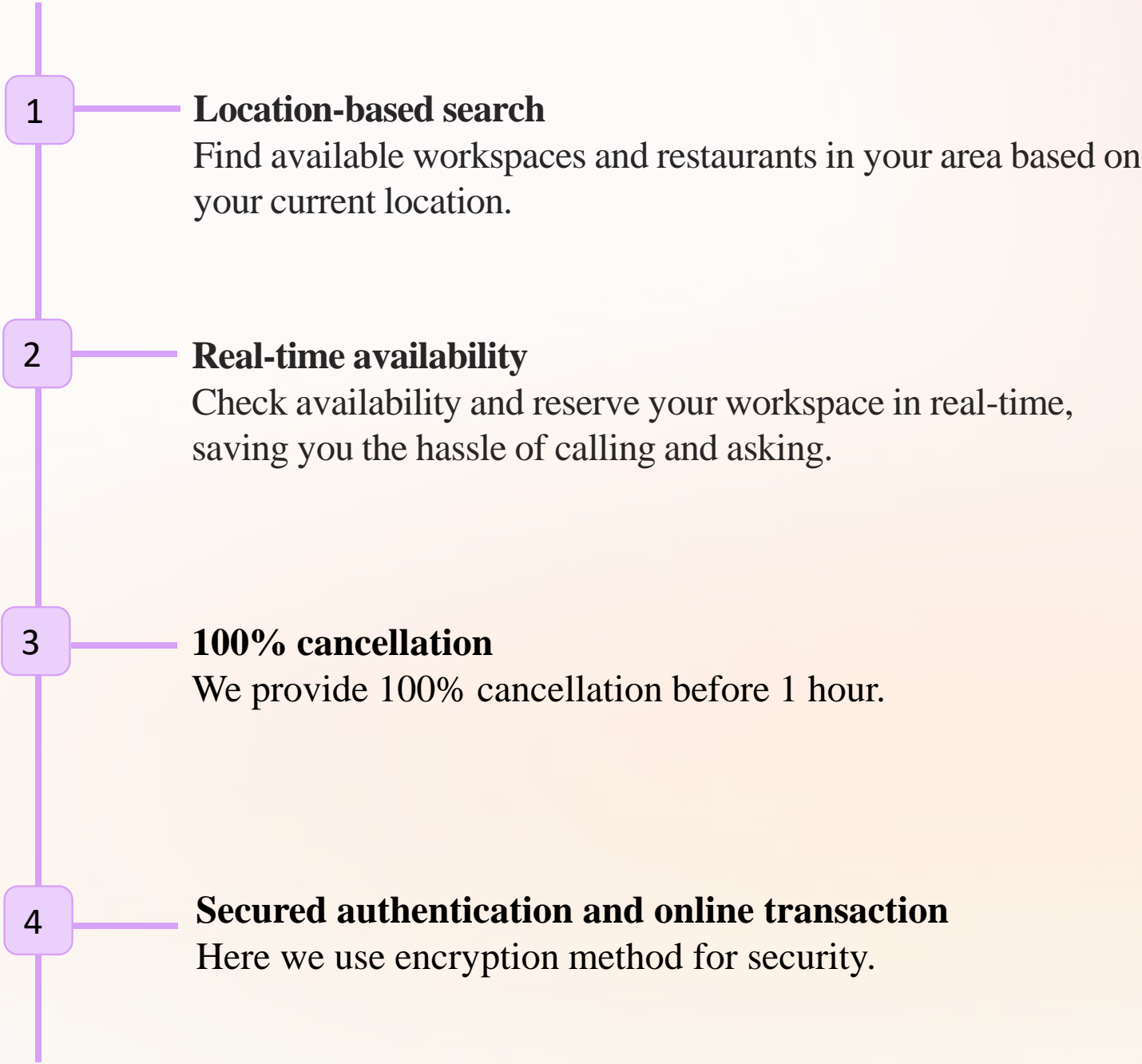
Push Notifications & Email Updates

Receive timely updates on booking confirmations, reminders, and venue availability via convenient push notifications and emails, simplifying your meet planning process.

Why this App is Needed?



Features of the App



| | |
|---|---|
| Strength <ul style="list-style-type: none">Streamlined ordering and table management.Enhanced customer experience with digital reservations.Efficient inventory and staff management | Weakness <ul style="list-style-type: none">Dependency on reliable internet connectivity.Initial setup and training for staff can be time-consuming.Competition with established dining platforms. |
| Opportunities <ul style="list-style-type: none">Expanding to new locations and markets.Integrating loyalty programs for customer retention.Incorporating emerging tech like AI for personalized recommendations. | Threat <ul style="list-style-type: none">Fluctuations in the restaurant industry due to economic conditions.Security vulnerabilities for customer data.Negative online reviews impacting reputation. |

Tech Stack and Cost Analysis:

| Category | Software/Tool | Languages/Frameworks |
|-------------|--------------------|----------------------|
| Development | Android Studio | Java, Android (SDK) |
| | Visual Studio Code | Various |
| Backend | Apache Server | Java, JSP, Spring |
| Database | SQLite, Firebase | SQL Query Language |
| Design | Star UML | UML |

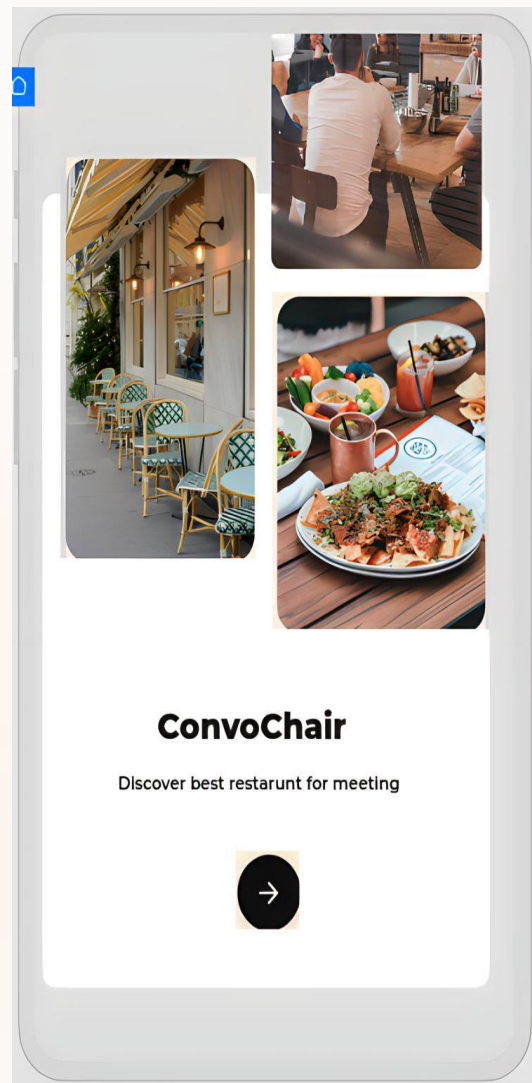
Dependencies: Third party API like Google SDK , Firebase API for working with ML and Firebase cloud services and API for payment use.

Literature Survey

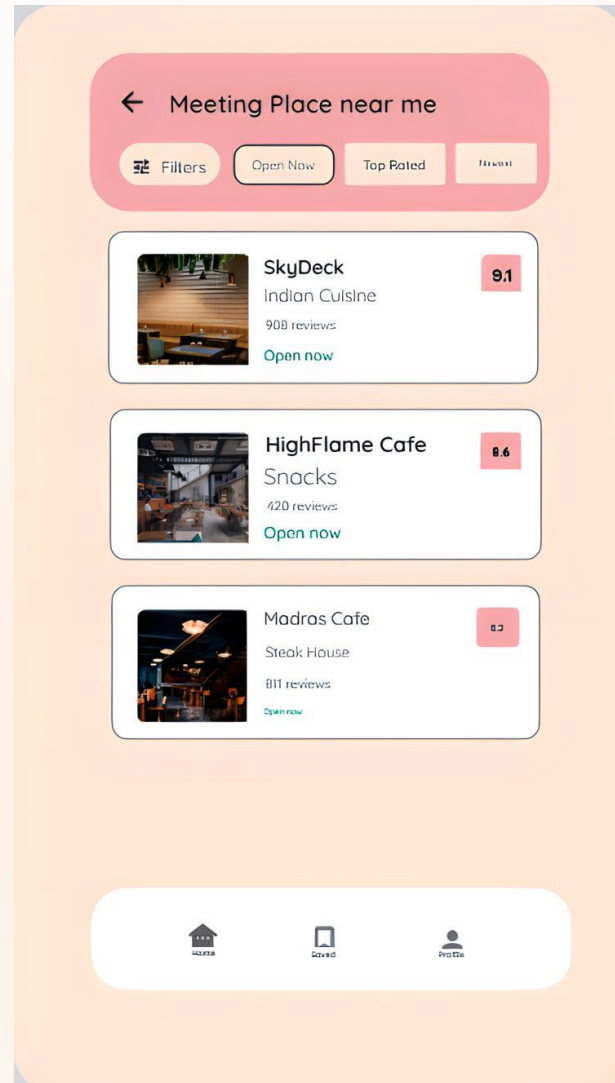
| Sr no. | Inventor | Title of the paper & year of publication (Recent to older) | Major Contributions |
|--------|---|--|---|
| 1. | Sid Gorham, Eric Moe and Chuck Templeton | OpenTable is an online restaurant-reservation service is founded in 2 July 1998 and is based in San Francisco, California. | That offers online reservations, takeout ordering |
| 2. | Ankit Mehrotra, Nikhil Bakshi, Sahil Jain, and Vivek Kapoor | Dineout was founded in 2012 is based in india | Established with the purpose of aiding its users in discovering the best and most suitable restaurants near them and to help them in easily booking reservations. |
| 3. | Vir Sanghvi, Sachin Pabreja, Ruchika Dhamija, Manish Kutula, Rohit Dasgupta, Sue Reitz, Shruti Kaul | EazyDiner was founded in 2015 is based In India | That offers friction-free table booking experience With an instant confirmation of less than 18 seconds, |
| 4. | Amit Ramani | Awfis was founded by Amit Ramani in April 2015 | A mobile app that enables the users to book office and meeting spaces in its centers across the country |
| 5. | Ankur Aggarwal | <i>Coworking</i> founded in year 2020 | They can provide you with a staff of people to work under you and help you grow your business |
| 6. | Ajay Deep | <i>Coworking Mag</i> It was founded in 2017 and is based in Chandigarh, India. | Coworking India Magazine is an online content platform for information related to coworking spaces and startups in India |

Proposed Methodology

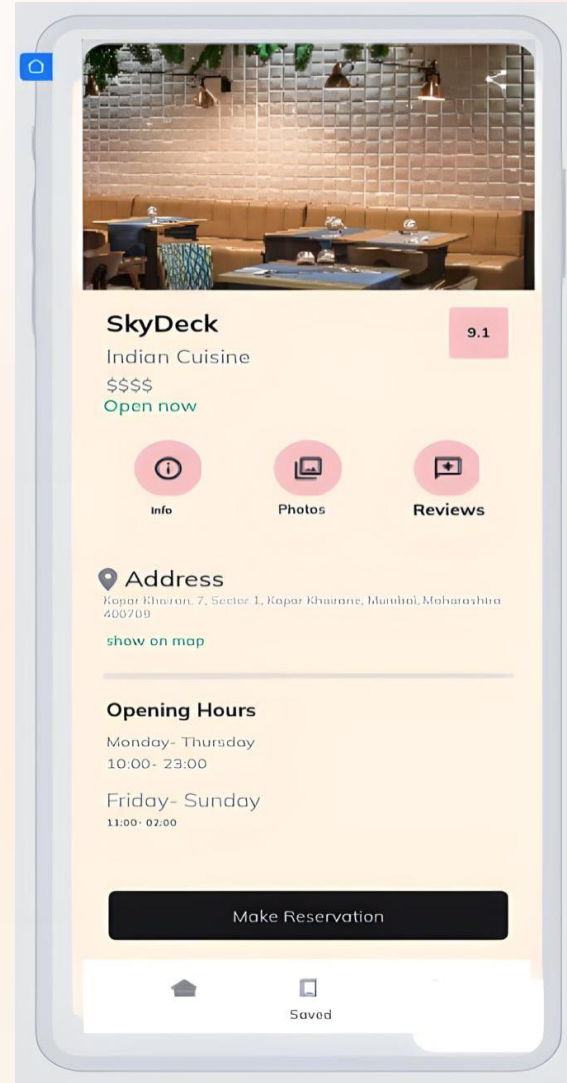
Home Page



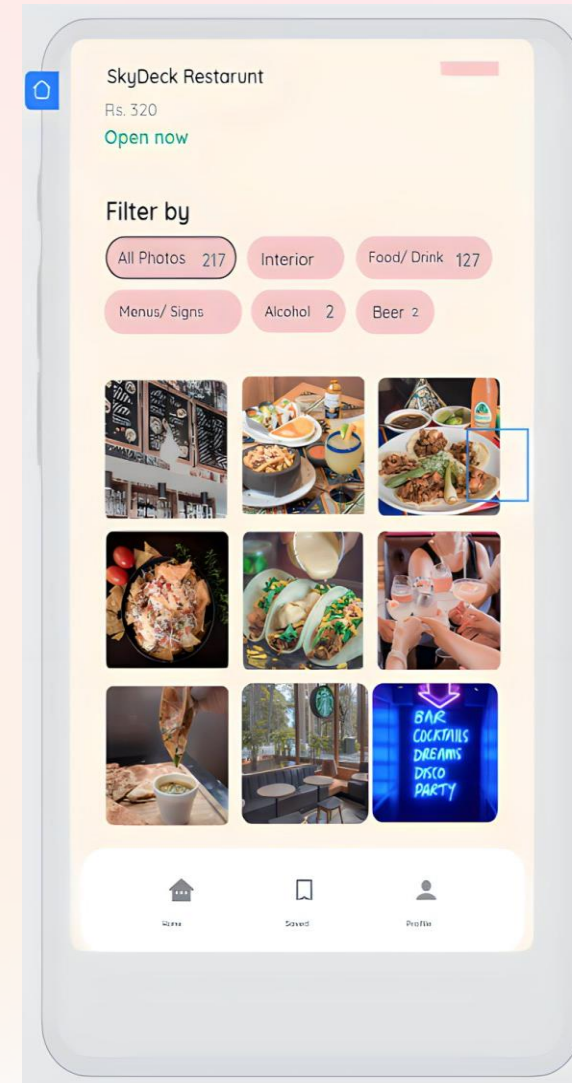
Meeting Place Recommendation



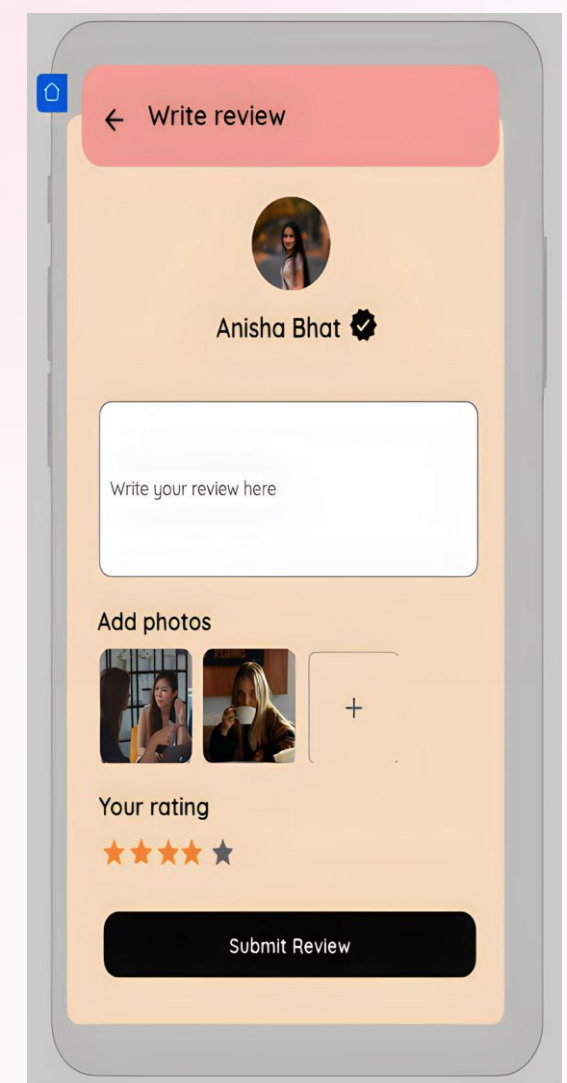
Restaurant details and booking



Features of restaurant



Review by customer



Team Member Details

Team Leader Name: Tushar Khapre

Branch : **B.E**

Stream : **CSE(DS)**

Year : **III**

Team Member 1 Name : Anisha Sant

Branch : **B.E**

Stream : **CSE(DS)**

Year : **III**

Team Member 2 Name: Karan Mharse

Branch : **B.E**

Stream : **Computer**

Year : **III**

Team Member 3 Name: Shubham Chavan

Branch : **B.E**

Stream : **Computer**

Year : **III**

Team Member 4 Name: Kaushik Paykoli

Branch : **B.E**

Stream : **CSE(IOT)**

Year : **III**

Team Member 5 Name: Madhav Kalal

Branch : **B.E**

Stream : **CSE(IOT)**

Year : **III**

Team Mentor 1 Name: Dinesh Auti

Category : **Academic**

Expertise : **Python , Javascript**

Domain Experience (in years): **6-7**

Team Mentor 2 Name: Shirin Matwankar

Category : **Academic**

Expertise : **IOT**

Domain Experience (in years): **5**