

# TOUR MANAGEMENT APPLICATION

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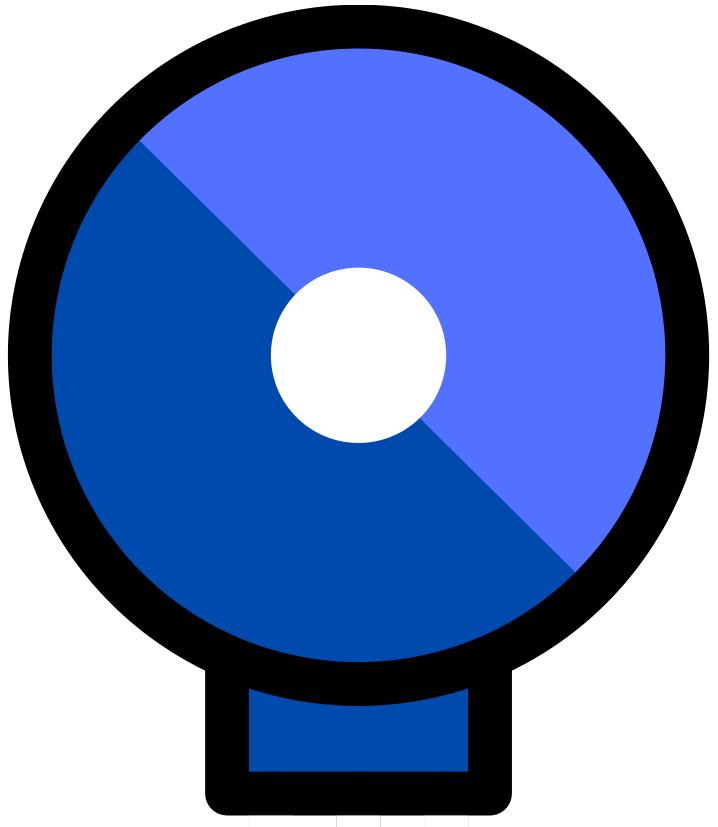
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# INTRODUCTION

- Tour management involves planning, organizing, and executing tours or trips for individuals or groups. It encompasses various tasks necessary for a smooth travel experience.
- Developing detailed itineraries outlining destinations, activities, and schedules.
- Researching and selecting suitable accommodations, transportation options, and attractions

# MOTIVATION

1

**Emarking on a tour management project offers the opportunity to explore new destinations and experience different cultures firsthand, providing an adventurous and enriching experience for both the tour manager and travelers.**

2

**By facilitating responsible and sustainable tourism practices, tour management projects can contribute to the preservation of natural and cultural heritage sites, support local economies, and promote cross-cultural understanding and appreciation.**

3

**Successfully planning and executing a tour can be incredibly rewarding, providing a sense of accomplishment and satisfaction. We are promising to provide this opportunity for our client with our project.**

2

# OBJECTIVE

3

- 1** Enhance overall customer satisfaction by ensuring seamless and enjoyable travel experiences.
- 2** Aim to exceed customer expectations by delivering personalized and memorable tours.
- 3** Streamline tour management processes to improve efficiency and productivity.
- 4** Provide opportunities for travelers to explore and experience the unique culture, history, and attractions of each destination.
- 5** Monitor and analyze financial performance metrics to identify areas for improvement and cost-saving opportunities.
- 6** Prioritize the safety and security of travelers by implementing robust safety protocols and risk management strategies

# LITERATURE REVIEW

**1. Digital Transformation in Tourism:** The tourism industry has undergone a digital transformation in recent years, with the integration of technology into various aspects of travel management. Research by **Buhalis and Amaranggana (2014)** highlights the importance of digital technologies, including mobile applications, in enhancing the overall tourist experience and facilitating more efficient management of tourism operations.

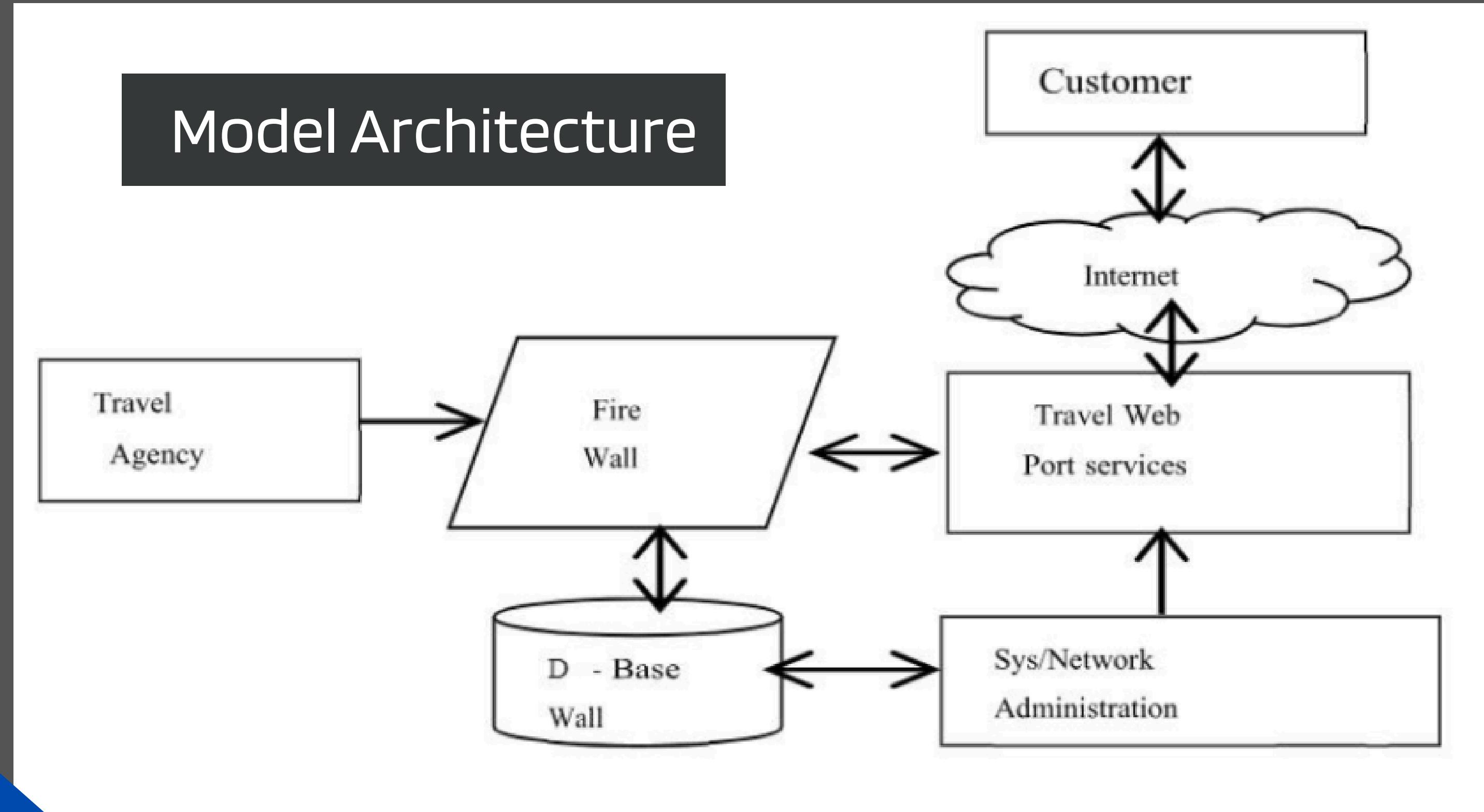
# LITERATURE REVIEW (CONT.)

**2. Features of Tour Management Applications:** Tour management applications offer a wide range of features aimed at simplifying the process of planning and executing tours. These features may include itinerary management, booking accommodations and transportation, providing real-time updates and notifications, and integrating with navigation systems. A study by **Gretzel et al. (2015)** discusses the key features of mobile applications in travel and tourism, emphasizing the importance of personalized recommendations and seamless integration with other travel services.

# LITERATURE REVIEW (CONT.)

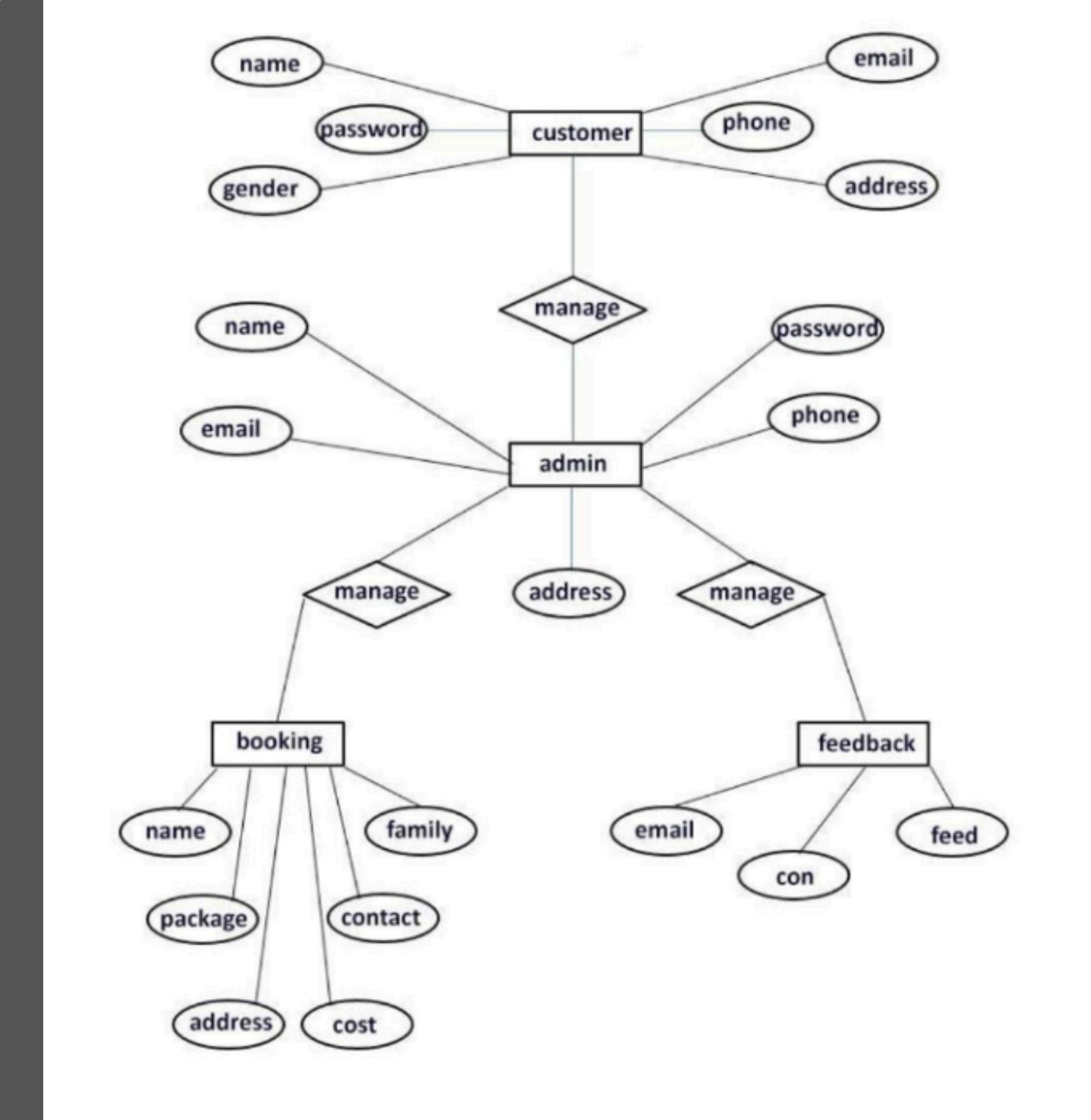
**3. Challenges and Limitations:** Despite their potential benefits, tour management applications face several challenges and limitations. These may include issues related to data privacy and security, connectivity problems in remote areas, and the complexity of integrating multiple travel services into a single platform. A study by **Neidhardt et al. (2016)** discusses the challenges of developing mobile applications for tourism, highlighting the importance of addressing technical and usability issues to ensure the success of these applications.

# METHODOLOGY



# METHODOLOGY (CONT.)

**ER- Diagram:  
From Customer  
and Admin site**



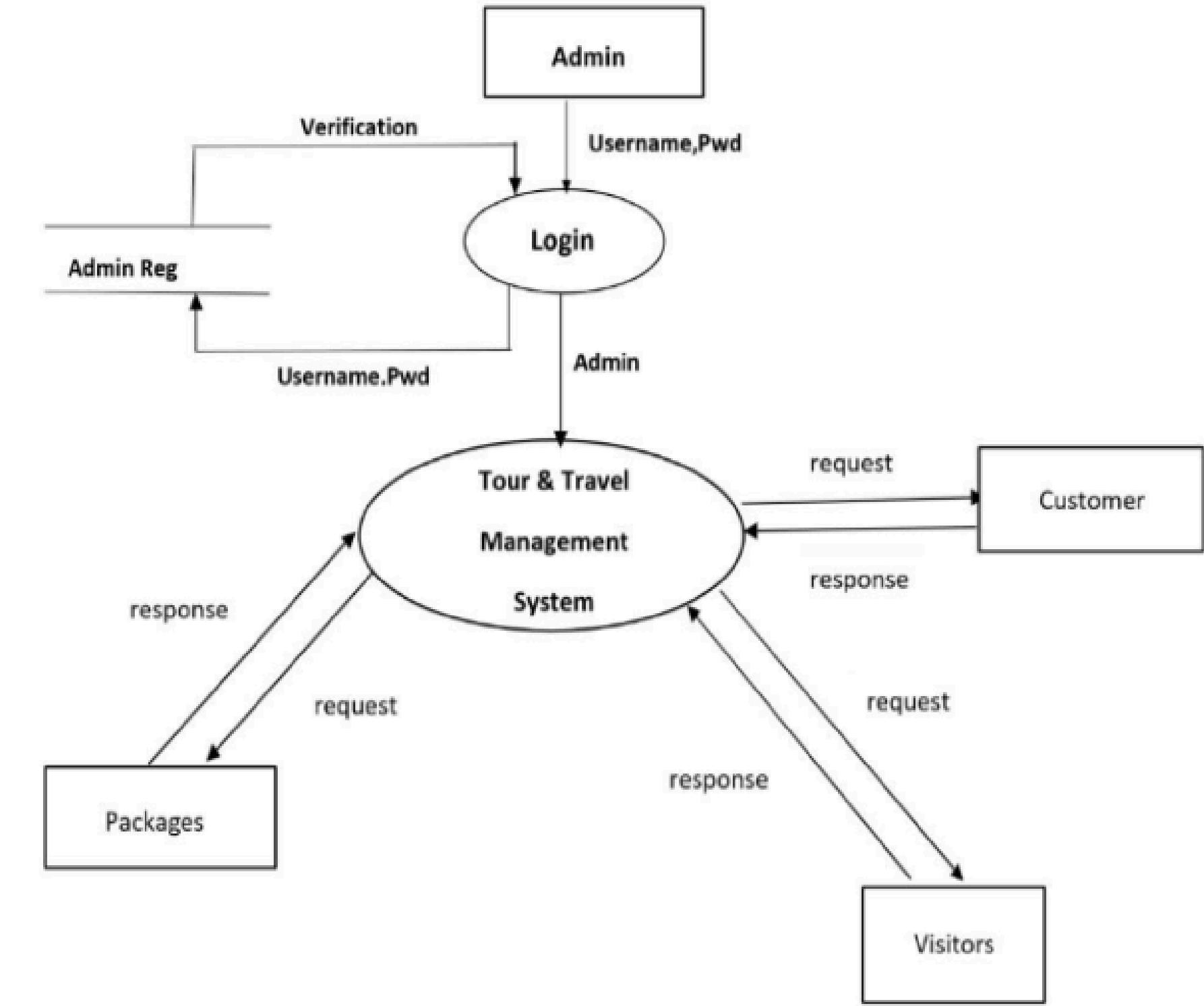
# METHODOLOGY (CONT.)

Context Level Data Flow Diagram:



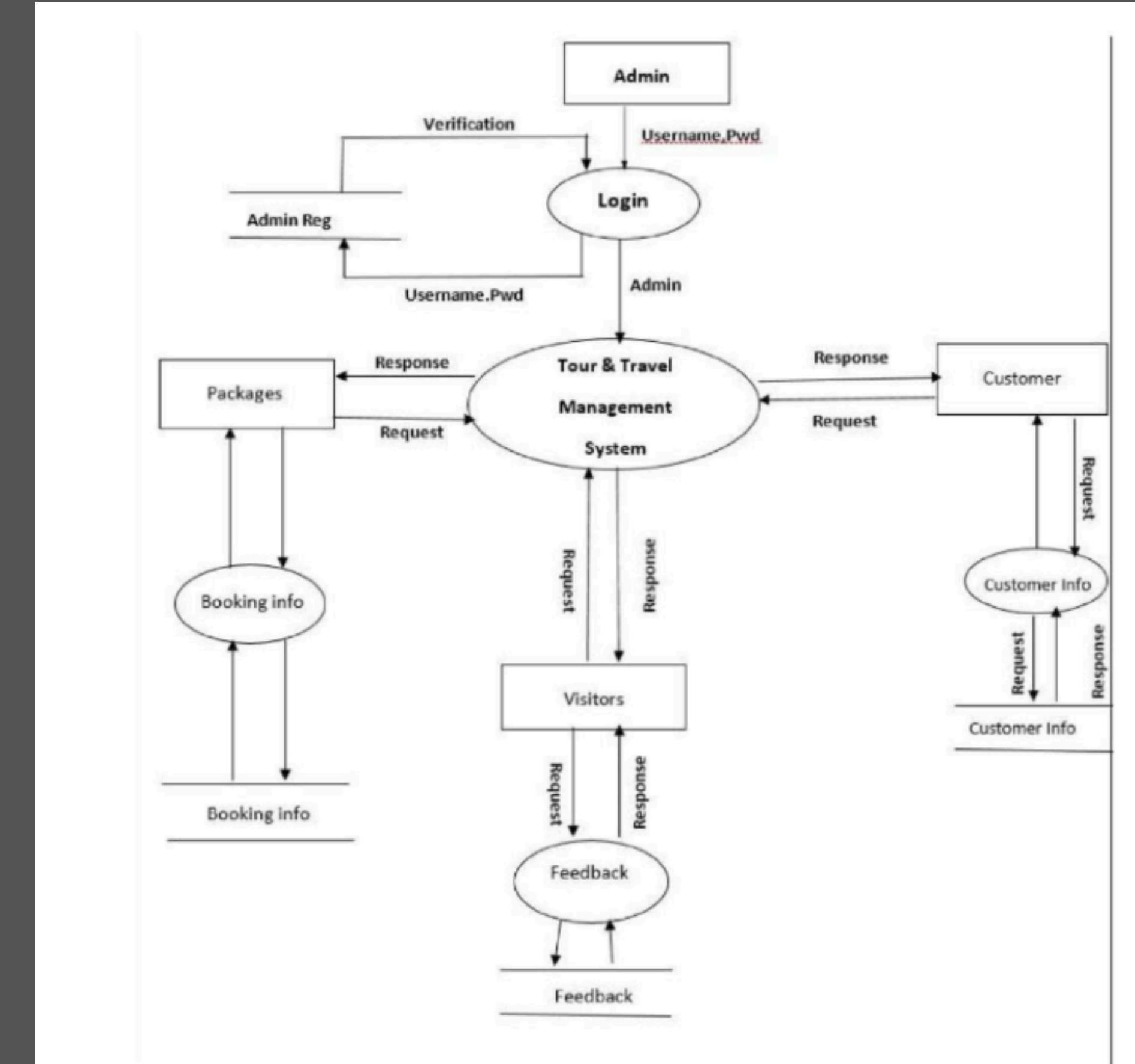
# METHODOLOGY (CONT.)

## First Level Data Flow Diagram for Admin:



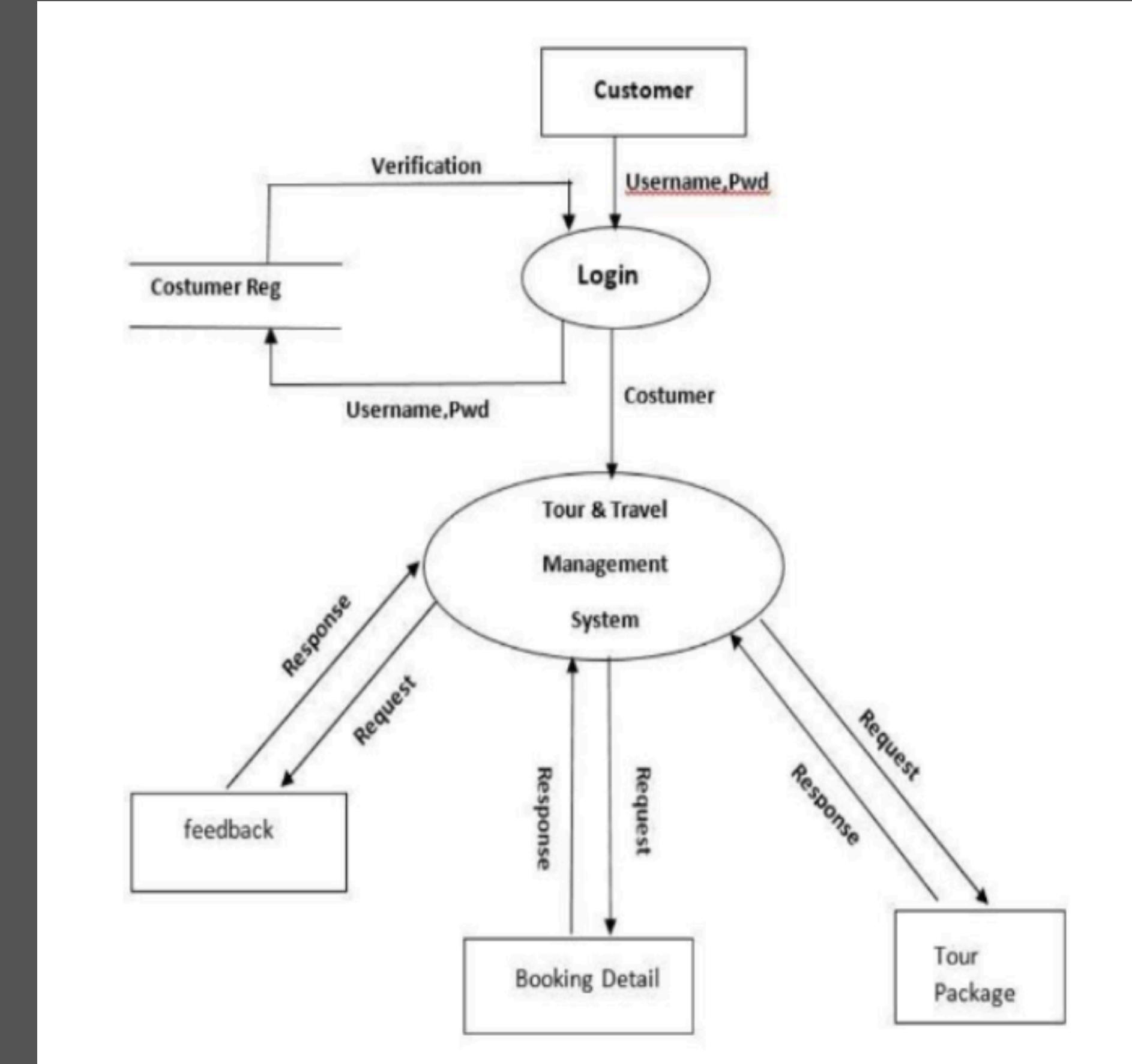
# METHODOLOGY (CONT.)

## Second Level Data Flow Diagram for Admin:



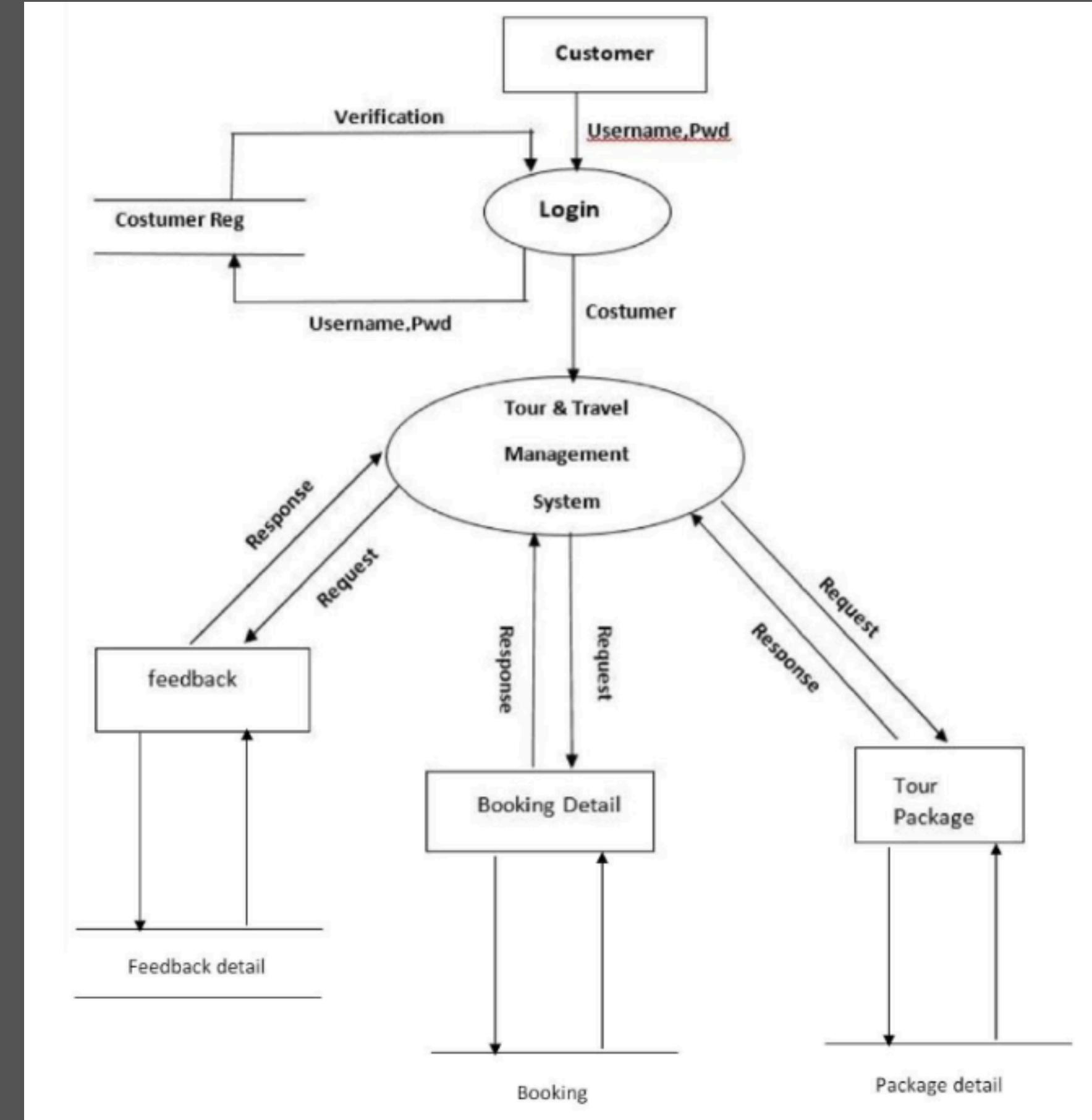
# METHODOLOGY (CONT.)

## First Level Data Flow Diagram for Customer:



# METHODOLOGY (CONT.)

## Second Level Data Flow Diagram for Customer:



# IMPLEMENTATION

## Used Software

- MVC Architecture: The software uses the MVC model, improving modularity and scalability.
- Model: Manages data, logic, and database communication.
- View: Displays data and renders the user interface.
- Controller: Bridges Model and View, handling user input and updates.
- Key Benefit: Ensures easier maintenance and scalability.

# IMPLEMENTATION (CONT.)

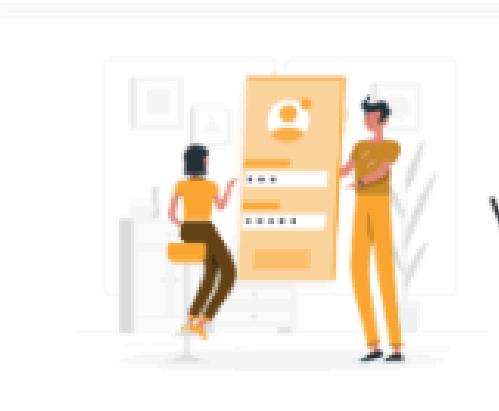
## Tools Used

- Front End: React
- Back End: nodejs, express
- Back End Authentication: jwt
- Database Server: mongodb
- Code Editor: Visual Studio

# IMPLEMENTATION (CONT.)



Home   About   Tours   Login   Register



### Login

User

Password

**Login**

Don't have an account? [Create](#)

Activate Windows  
Go to Settings to activate Windows.



Home   About   Tours   Login   Register



### Register

User

Email

Password

**Create Account**

Already an account? [Login](#)

Activate Windows  
Go to Settings to activate Windows.

## Login Page

## Register Page

# IMPLEMENTATION (CONT.)

The image displays two screenshots of a travel booking application interface.

**Review Page (Left Screenshot):**

- Header: Welcome PLABON, Logout
- Information Form:
  - Full Name:
  - Phone:
  - Date: dd----yyyy  Guest
- Review Summary:
  - 1★ 2★ 3★ 4★ 5★
  - Share your thoughts
  - Submit
- User Review:
  - user March 23, 2024
  - 4★
  - good

**Tour Page (Right Screenshot):**

- Header: Welcome PLABON, Logout
- Search Bar: Distance  Distance K/m, Max People  Search
- Where are you going?
- Tour Listings:
  - Sylhet**: Tanguor Haur, ₹3000 /per person, Book Now
  - Chittagong**: Parbotto Chittagong, ₹3000 /per person, Book Now
  - Sajek**: Nilachol, ₹2500 /per person, Book Now
  - Bandarban**: Not rated

## Review Page

## Tour Page

# IMPLEMENTATION (CONT.)



Welcome to **CholoGhuriBangladesh**, where every journey is a gateway to extraordinary experiences. Our passion for exploration drives us to craft seamless and unforgettable adventures. With a commitment to authenticity and personalized service, we invite you to join us on a voyage that transcends destinations, turning each trip into a timeless tale. Discover the world with us, where wanderlust meets exceptional travel.

*Exploring the world one adventure at a time.*

A screenshot of the website's footer. It includes a logo with a silhouette of a person, a download video button, and links for Discover, Quick Links, and Contact. The Discover section has links for Home and Contact. The Quick Links section has links for About us and Contact. The Contact section provides address, email, and phone number information.

# IMPLEMENTATION (CONT.)

The screenshot shows a web browser window with the URL `localhost:3000/thank-you` in the address bar. The page content is as follows:

**Home** **About** **Tours**    Welcome **ALEXA** **Logout**

**Thank You**  
Your Tour is Booked.

**Back to Home**

**Discover**

- [Home](#)
- [Explore More](#)
- [Tours](#)

**Quick Links**

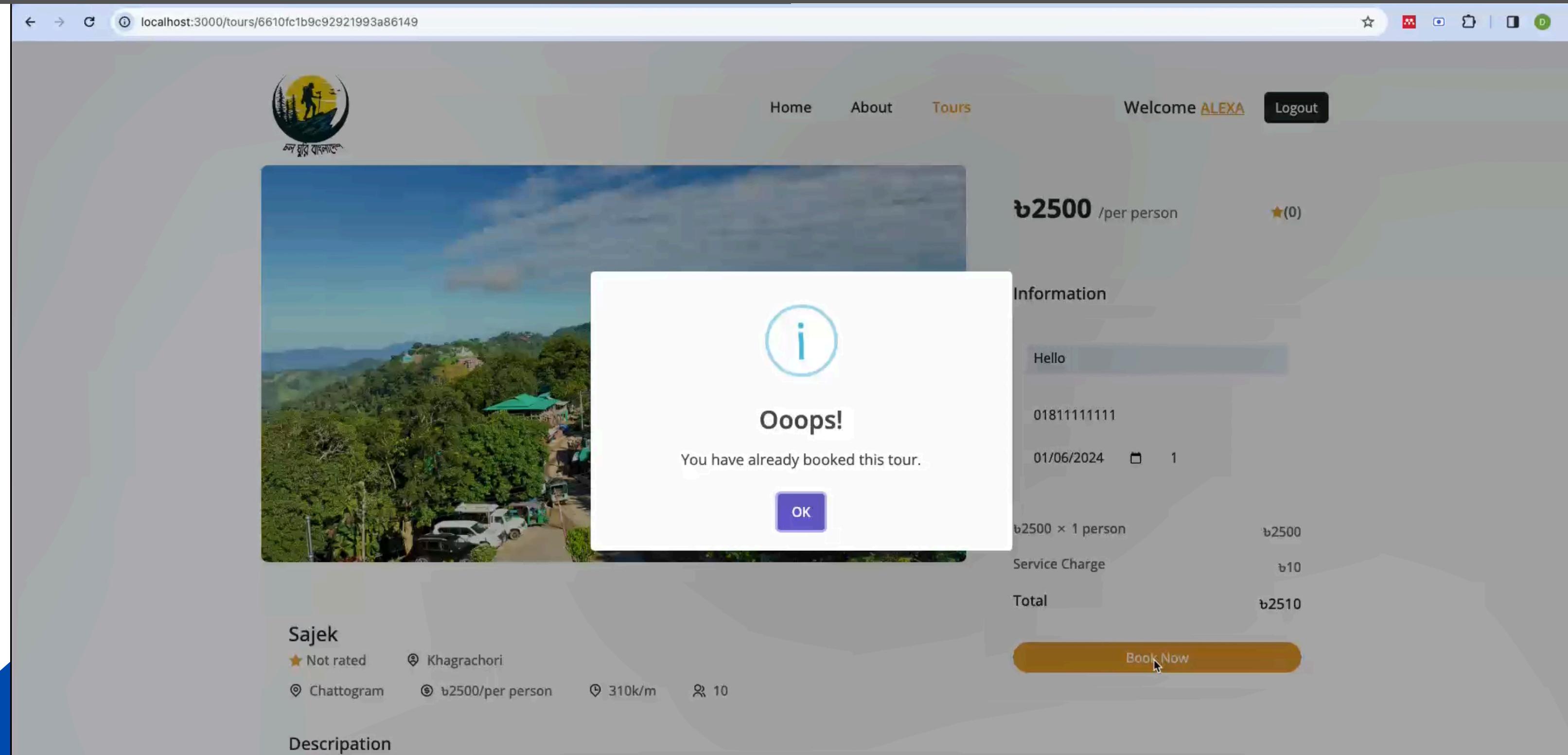
- [About us](#)
- [Services](#)
- [Contact Us](#)

**Contact**

- Address:** Project of CSE GROUP
- Email:** chologhuribangladesh@gmail.com
- Phone:** +880-1365462628

**Embark on Limitless Exploration,  
Where Dreams and Adventures  
Journeys for Every Explorer.**

# IMPLEMENTATION (CONT.)



# FEATURES (INPUT)

**Administration enter his tourist id and password for login.**

**Tourist enters his Tourist id and password for login.**

**New tourists give his completed personnel, address and phone details for registration.**

**Administration gives different kind of tourist information for search the tourist data.**

**Tourist gives his tourist id, hint question, answer for getting the forgotten password.**

**Employee /Tourist search for flight booking status.**

**Administrator search for visa processing status.**

# FEATURES (OUTPUT)

**Administration can have his own home page.**

**Tourist enter his or her own home page.**

**The tourist-defined data can store in the centralized database.**

**Administration will get the login information of a particular tourist.**

**The new tourist's data will be stored in the centralized database.**

**Administration get the search details of different criteria.**

**Tourist can get his forgot password.**

# LIMITATION & FUTURE WORK

## Limitation

- Our website use other services like maps and payment systems. If those services have issues, the app might not work right.
- The website may only cater to specific regions or destinations, limiting its usefulness for users seeking information or services outside of those areas.

## Future Work

- Improve the website to offer tailored suggestions based on user preferences and past travel experiences.
- Make the app usable even without internet connectivity, useful for travelers in remote areas.
- Ensure the app is easy to use for everyone, including seniors, people with disabilities, and those from diverse backgrounds.

# CONCLUSION

1

In conclusion, the Tour Management Application aims to transform tour planning and experiences. By leveraging digital tools like mobile apps and personalized recommendations, it aims to simplify the entire tour process for both travelers and operators.

2

Key features include itinerary management, booking, real-time updates, and navigation integration. We're prioritizing user needs and tackling challenges like connectivity and privacy to create a reliable and user-friendly app for all.



# Thank You