



CEYLON GO

INTERIM REPORT

Prepared By :
GROUP IS 05



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Date: .10.2025

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Date: .10.2025

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1. Introduction

1.1 Domain Description

Sri Lanka is one of the most popular travel destinations in South Asia, known for its natural beauty, cultural heritage, and hospitality. The tourism industry plays a vital role in the country's economy, and with increasing digital adoption, travelers now expect to plan and manage their journeys online.

Currently, tourists rely on multiple platforms such as TripAdvisor, Booking.com, and look for different services like accommodations, transport, and activities. However, these platforms are global and not fully tailored to Sri Lanka's tourism ecosystem. Local service providers-small hotels, transport services, and independent guides struggle to gain visibility because they lack advanced booking tools or strong digital presence.

Our proposed system, Ceylon Go, addresses this gap by creating a one-stop web application that integrates accommodations, transportation and local tour guidance into a single unified platform. It aims to serve both tourists (local and foreign) and service providers, making travel planning convenient, transparent, and reliable while also promoting Sri Lankan businesses.

1.2 Current System & Limitations

At present, travelers use a fragmented system of websites and offline methods:

- Tourists browse multiple platforms (official tourism sites, booking platforms, social media) to gather information.
- Accommodation providers often rely on Booking.com or basic websites.
- Transport providers and local guides largely depend on word-of-mouth, social media, or manual bookings via phone calls and messages.
- Tour packages are offered by large agencies but rarely customizable for independent travelers.

Limitations

1. Fragmentation – Tourists must visit several platforms to plan a complete trip (hotel, transport, activities, guides).
2. Lack of Real-Time Availability – Many local providers do not have automated booking systems, forcing travelers to rely on manual confirmations.
3. Limited Visibility for Local Businesses – Small hotels, guides, and drivers often lack proper online platforms, making it difficult to reach international tourists.
4. Communication Barriers – Language differences (Sinhala/Tamil vs. English) create difficulties in inquiries and bookings.
5. Trust Issues – No centralized review/feedback system for Sri Lankan transport providers and guides.
6. Booking Errors and Delays – Multiple websites and manual confirmations can lead to confusion, missed reservations, or overlapping bookings.
7. Lack of Integrated Packages – Travelers cannot easily bundle hotels, transport, and guides into customizable packages within a single system.

These limitations demonstrate the urgent need for a centralized digital solution designed specifically for Sri Lanka's tourism industry.

1.3 Goal & Objectives

The overall goal of this project is to develop a comprehensive tour guide web application that transforms the way people plan and experience travel in Sri Lanka. The platform aims to make travel planning easier, faster, and more enjoyable by bringing together all the essential services travelers usually need for accommodations, transportation, and tour guidance into a single, convenient website.

By eliminating the need to browse multiple platforms, the application will not only save time but also give travelers confidence, convenience, and peace of mind when organizing their trips. Ultimately, this project seeks to create a one-stop travel solution that delivers a smooth and memorable journey for every user.

Specific Objectives

1. All-in-One Travel Solutions

- Provide a centralized platform where travelers can find top-rated hotels, transport options, and experienced local guides.
- This reduces the hassle of visiting multiple websites and ensures users get verified, reliable information in one place.

2. Streamlined Booking System

- Design an efficient reservation system that enables users to book hotels, rides, and tour packages quickly and easily.
- By integrating all bookings under one platform, users save time, avoid confusion, and benefit from a smoother travel planning process.

3. User-Friendly Interface

- Create a clean, simple, and intuitive design so that people of all technical backgrounds can easily navigate the platform.
- Ensuring accessibility for everyone makes the platform inclusive and practical for both local and international travelers.

4. Customizable Travel Packages

- Enable service providers to offer bundled packages that combine accommodations, transport, and guided tours.
- This provides flexibility for users, allowing them to choose either pre-designed packages or mix-and-match services to suit their preferences, budget, and travel style.

All these goals are to make travel planning easy and fun for users. We want to give many helpful services, make booking simple, design an easy-to-use website, and offer useful travel packages. Our main aim is to help travelers enjoy a smooth and happy trip from start to finish.



1.4 Assumptions

In developing and deploying the Ceylon Go system, the following assumptions are made:

1. User Accessibility – Travelers and service providers will have access to a reliable internet connection.
2. Digital Literacy – Users will have at least a basic understanding of online booking systems and digital payments.
3. Accurate Data Entry – Service providers will supply valid and updated information (availability, pricing, descriptions).
4. Secure Transactions – Payment gateways (e.g., PayHere) will provide secure and uninterrupted services for online transactions.
5. Service Provider Cooperation – Hotels, transport operators, and guides are willing to register and maintain their profiles on the system.
6. Legal Compliance – All users and providers comply with Sri Lanka's tourism regulations and data protection laws.
7. Platform Scope – The system is initially limited to Sri Lanka and does not cover international booking features.

2. Feasibility Study

The implementation potential of the intelligent web-based platform intended to assist travelers in planning and scheduling customized tours throughout Sri Lanka is assessed in this feasibility study. For both domestic and foreign travelers, the platform seeks to improve the effectiveness and convenience of trip planning.

To guarantee the project's overall viability, the feasibility analysis looks at six important aspects: operational, technical, economic, schedule, legal & ethical, and social feasibility.

2.1 Operational Feasibility

Operational viability evaluates how well the platform can work in a practical setting. Users with only rudimentary digital literacy can easily navigate our system's user-friendly interface, which eliminates the need for any additional training.

Through a single dashboard, the interface enables travelers to plan, explore, and personalize their itineraries. Independent management of profiles, listings, and availability is possible for service providers like hotels, transportation services, and tour guides. Complete control over users, listings, reviews, and payment activities is made possible by the admin interface, which guarantees smooth platform management with little operational work.

The entire website's user interface is currently complete, and all user roles—admin, tourist, hotel, tour guide, and transport provider—have successfully implemented a basic CRUD (Create, Read, Update, Delete) functionality for each. This milestone attests to the platform's usability and verifies that users can already engage with its essential features.

Key Points:-

- Completely compatible with all current web browsers.
- Neither service providers nor end users need any specific training.
- There are built-in help sections and walkthroughs to help users navigate all of the main interactions.

2.2 Technical Feasibility

The resources, instruments, and technologies needed for system development, integration, and maintenance are assessed by the technical feasibility.

The following technology stack is being used to complete user interfaces and CRUD operations as part of our current progress:

Technology Stack:

- **Frontend:** HTML5, CSS3, JavaScript
- **Backend:** PHP
- **Database:** MySQL
- **Payment Integration:** PayHere (a local payment gateway in testing sandbox mode)
- **Additional Tools:** Microsoft Teams (virtual meetings), Draw.io (architecture diagrams), Figma (UI/UX prototyping), and GitHub (version control)

For our implemented modules, the technical environment has shown stability, guaranteeing scalability, maintainability, and ease of improvement.

Additionally, the project gains from:

- Reliable web frameworks that guarantee safe, scalable performance; a development team with the technical know-how acquired via coursework and mentored learning.
- Open-source tools and libraries that reduce the complexity and expense of development.

2.3 Economical Feasibility

The goal of the project's economic viability is to create a cost-effective and sustainable solution that will benefit users in the long run. To keep costs down, our implementation makes use of open-source and free technologies.

Expenses:

Our design and documentation work is supported by free and academically appropriate tools like Figma and Draw.io.

- Development Tools: Utilizing open-source technologies like MySQL, PHP, HTML5, CSS3, and JavaScript eliminates licensing costs.
- Collaboration Tools: GitHub and Microsoft Teams are utilized for version control and communication without requiring extra fees.

- Hosting & Testing: To save money on external hosting during the initial stage, development and testing take place locally. PayHere's sandbox mode is used for payment testing in order to safely mimic actual transactions.

Model of Revenue:

To guarantee sustainability over the long run and pay for upcoming operating expenses:

- Service Provider Commission: Successful reservations from lodging facilities, tour operators, and transportation providers will be subject to a nominal commission.
- Service Charge for Visitors: In exchange for the ease of using the platform to access all necessary travel services, tourists will pay a small service charge.

The platform is financially feasible for both short-term development and long-term operation by employing cost-effective tools and making money through commissions and service fees.

2.4 Schedule Feasibility

The project timeline is defined by the schedule feasibility, which guarantees that all deliverables can be completed within the allocated university deadlines and resource constraints.

Total Duration: 45 weeks (June 2025 – April 2026)

Estimated Team Members: 4

Phase	Timeline	Deliverables
Requirement Gathering	4 weeks	Requirement document, stakeholder list
System Design (UI/UX + DB)	4 weeks	Figma UI, Use Case Diagrams
Frontend Development	12 weeks	Interactive user interface
Backend Development	14 weeks	Authentication, DB
Integration & Testing	7 weeks	End-to-end system
Final Deployment & Report	4 weeks	Hosted app + documentation

Work Hours per Week per Member: 14

Total Man-Hours: $4 \times 14 \times 45 = 2520$ hours The structured schedule ensures milestone tracking and project feasibility under university deadlines.

2.5 Legal & Ethical Feasibility

Legal viability guarantees that the system conforms with all applicable laws and data management ethics.

- The platform will adhere closely to international laws, including Sri Lanka's Data Protection Act and the General Data Protection Regulation (GDPR) for users from the EU.
- Throughout the payment gateway integration process, adherence to the Payment Card Industry Data Security Standard (PCI DSS) will be upheld.
- All users will also receive a thorough Terms of Use and Privacy Policy that outlines their rights and data usage procedures.
- The system guarantees data security, transparency, and trust for all users and stakeholders by abiding by these legal frameworks.

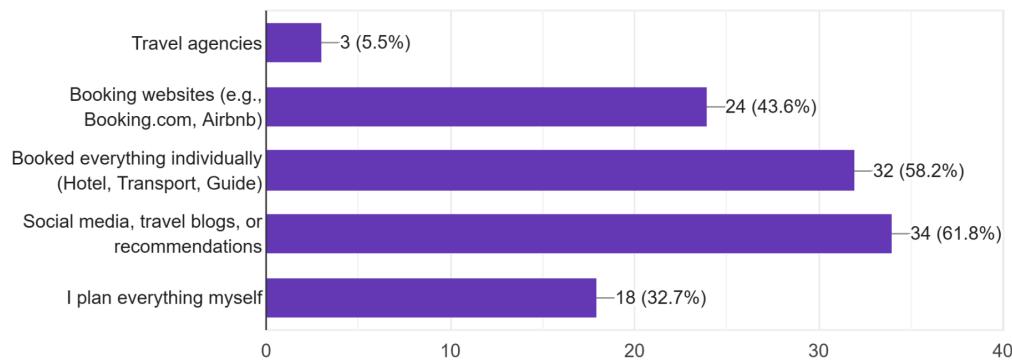
2.6 Social Feasibility

To assess the social acceptability and demand for our proposed All-in-One Tour Management System, we conducted a detailed online survey using Google Forms. The form was distributed through social media platforms and collected over 50 responses from individuals, representing a range of age groups and travel habits.

The answers provide insightful information about public expectations and travel preferences. The information makes it quite evident that most respondents would like to use a single online platform to organize their vacation plans. Many already use internet platforms to manage their travel itineraries, book lodging, and arrange transportation. This indicates a willingness to use more effective technologies and a familiarity with digital solutions in the tourism industry.

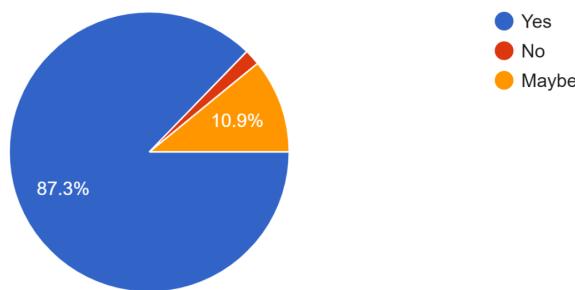
4. How do you usually plan your trips within Sri Lanka? (Select all that apply)

55 responses



5. Would you be interested in using an online platform that allows you to plan your entire trip (Guide, Hotel, Transport) in one place?

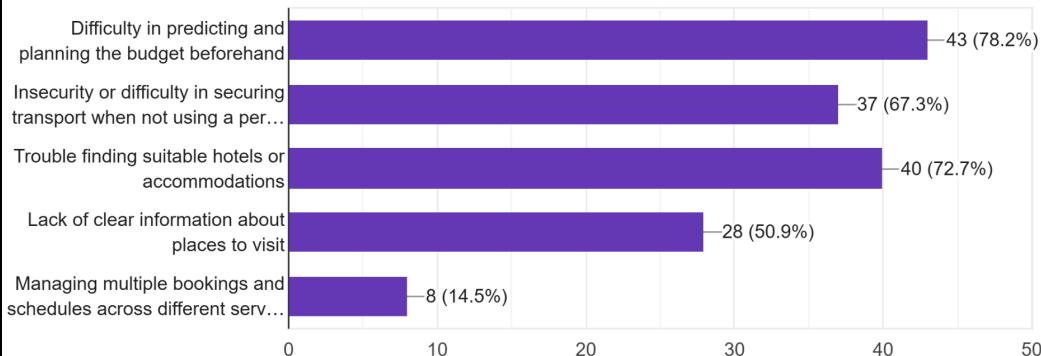
55 responses



The significance of affordable travel choices was one of the survey's main conclusions. Cost was cited by several respondents as one of their top concerns when making travel plans. Requests for low-cost travel packages, tools for organizing food and transportation budgets, and recommendations for reasonably priced yet high-quality services were among the suggestions. This input supports our efforts to incorporate a cost estimation and management function into our system, which enables customers to arrange travel that fits their budget.

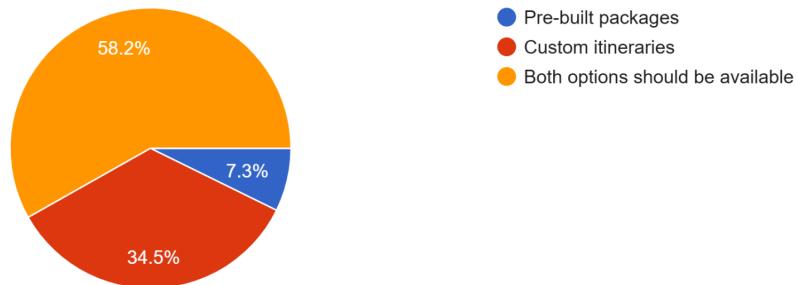
10. What challenges have you faced while planning your trips within Sri Lanka? (Select all that apply)

55 responses



11. Would you prefer pre-built packages or building your own itinerary?

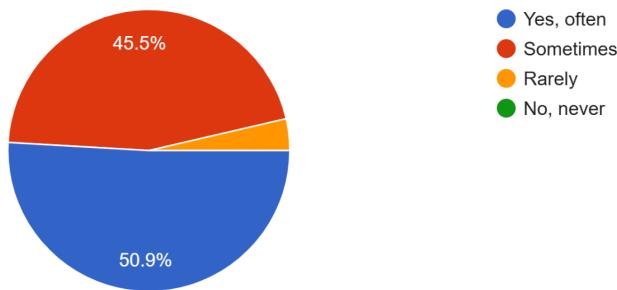
55 responses



The challenge of selecting appropriate transportation options that fit the user's trip schedule, group size, and price was another frequently raised issue. The system should make it simple to compare and reserve transportation options without having to visit several websites, according to the respondents. This backs our system's addition of a booking and comparison module for transportation.

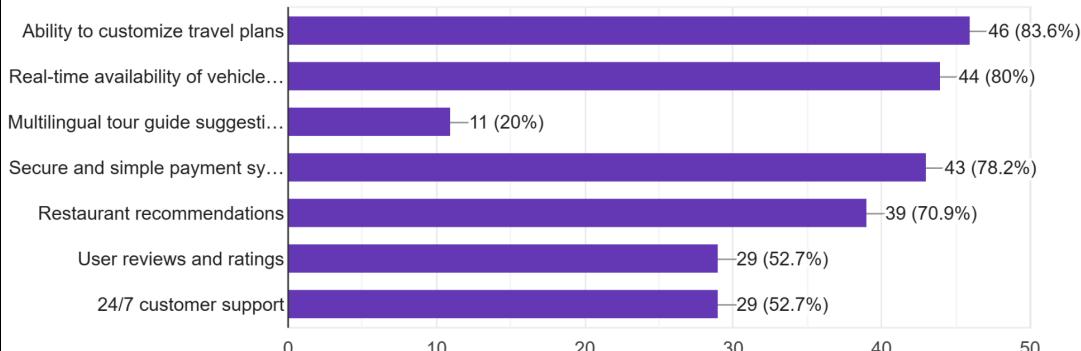
7. Has transport ever been a problem for you when planning trips within Sri Lanka?

55 responses



12. Which features do you find important? (Select all that apply)

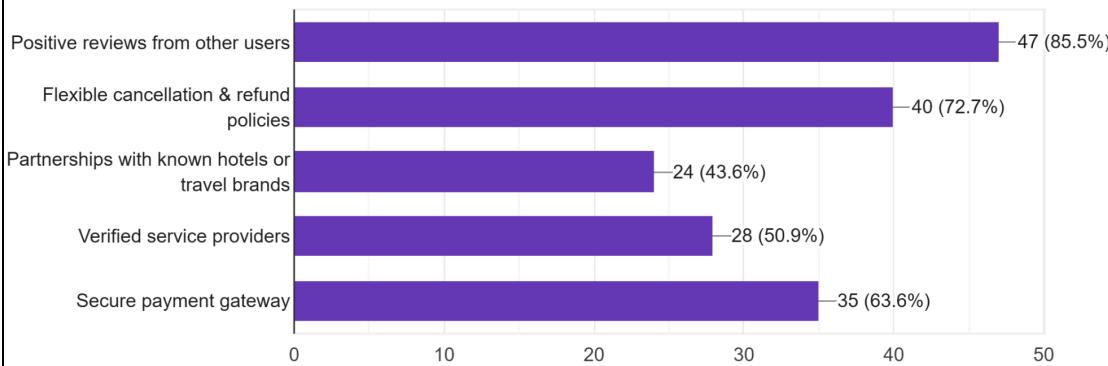
55 responses



Additionally, some respondents recommended cutting-edge capabilities like the capacity to automatically modify travel plans in response to current circumstances like weather or traffic. Even if this is more sophisticated, it demonstrates that consumers are receptive to utilizing clever travel solutions that provide flexibility and ease.

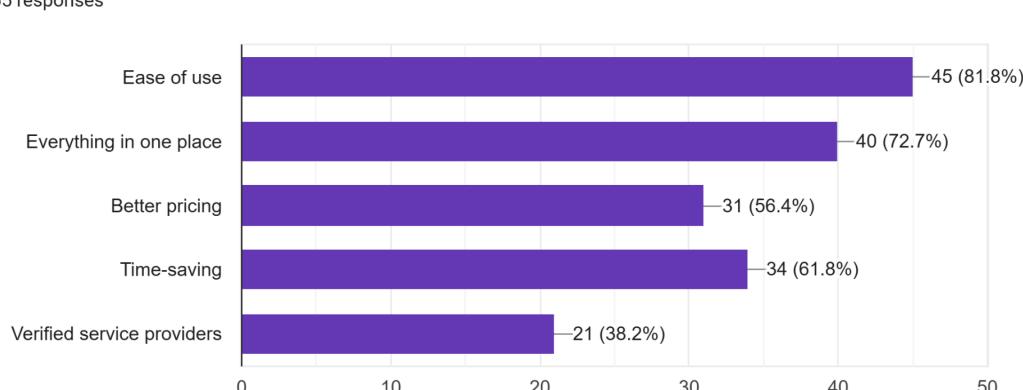
14. What would make you trust and prefer using a platform like this? (Select all that apply)

55 responses



13. What factors would encourage you to choose this platform over traditional planning methods? (Select all that apply)

55 responses



Overall, the comments we got indicate that people are interested in and supportive of the type of service we are offering. A system that can integrate all necessary tour management tasks—like researching destinations, making reservations, organizing transportation, and keeping track of spending—into a single, intuitive platform is valued by respondents.

In conclusion, we can declare with confidence that the All-in-One Tour Management System is socially feasible based on the actual data gathered from our survey. The adoption of such a platform is likely to be welcomed, supported, and advantageous by potential users.

Google Form Link:

<https://docs.google.com/forms/d/1f6UcL3rjCOff6t8hHYm6LnxQR5CMCoZ-yiq04svcHiY/edit>

3. Requirements

3.1 Stakeholders & Actors

The system consists of five primary actors who interact directly with the platform:

Admin	Responsible for overseeing the entire system, including user validation, content management and financial monitoring.
Tourist	The main end-user who utilizes the platform to explore destinations, make bookings, manage itineraries, and provide feedback.
Hotel	A service provider who manages accommodation-related services by maintaining availability, responding to inquiries, and handling bookings and payments.
Transport Provider	A registered service provider who manages vehicle and driver information, accepts or rejects transport requests, and oversees assigned rides.
Tour Guide	A service provider who offers guiding services and manages availability, bookings, communication, and tour-related information.

3.2 Functional & Non-Functional Requirements

3.2.1 Functional Requirements

Common Functional Requirements (for All Users)

All registered users in the system shall be able to:

- Register for an account.
- Log in to the system.
- Log out of the system.
- View and edit their personal profile.
- Manage their account settings (e.g., change password, update contact information).
- View notifications related to bookings, payments, and system updates.



- Report technical or service-related issues.
- View reviews and ratings relevant to their services or bookings.
- Receive responses to inquiries or reports submitted.

Functional Requirements of Admin

The Admin shall be able to:

- Manage user accounts (create, update, suspend, or delete users).
- Validate and approve service providers (hotels, tour guides, transport providers).
- Manage all service providers and their listings.
- View, manage, and cancel bookings made by users.
- View payment transactions and handle refunds.
- Generate analytical and financial reports.
- Manage promotions, offers, and discounts.
- View and respond to reviews submitted by tourists.
- Respond to user and service provider inquiries.
- Update system configurations and parameters (e.g., pricing policies, commissions).
- Manage cancellations and refund policies.

Functional Requirements of Tourists

The Tourist shall be able to:

- Browse and view available travel packages and destinations.
- Search for tour destinations and view detailed information.
- View reviews and ratings for destinations, hotels, guides, and transport providers.
- Book services such as hotels, tour guides, and transport.
- Confirm or cancel bookings.
- Make secure online payments.
- View a detailed trip plan and itinerary.
- Submit feedback and reviews after a trip.
- Report any issues or problems experienced during service use.

Unregistered tourists shall be able to:

- Browse destinations and view limited package details without logging in.

Functional Requirements of Hotels

The Hotel user shall be able to:

- Manage and update their profile and contact information.
- Add and update hotel details (e.g., room types, prices, amenities, images).
- Update room availability status.
- View, confirm, or reject booking requests from tourists.
- View upcoming and past bookings.
- View and manage received payments.
- Respond to traveler inquiries or messages.
- View and respond to reviews from tourists.
- Report issues or discrepancies related to bookings or payments.

Functional Requirements of Transport Providers

The Transport Provider shall be able to:

- Add and manage vehicle details (vehicle type, capacity, registration number, pricing).
- Add and manage driver details (name, license number, contact).
- Set and update availability status.
- View and respond to ride or transport booking requests.
- Accept or decline ride requests.
- View active, upcoming, and past rides.
- View payment records.
- View and respond to traveler reviews.
- Report technical or service-related issues.

Functional Requirements of Tour Guides

The Tour Guide shall be able to:

- Manage their profile and personal details.
- Set available dates, working regions, and guiding rates by location.
- Specify languages spoken and areas of expertise.
- View, confirm, or reject tour booking requests.
- View past and upcoming bookings.
- Cancel confirmed bookings if necessary.
- Communicate with travelers through the system (messages or chat).
- Receive and review the traveler's tour plan or itinerary.



- Submit tour instructions or custom guidance details.
- View and respond to traveler reviews.
- Manage and view payments received.
- Report issues or booking-related problems.

3.2.2 Non-Functional Requirements

Performance

- The system shall deliver fast response times and ensure smooth performance, even under high user load.
- The database shall be optimized for efficient data handling and minimal latency.
- The system shall ensure a seamless and responsive user experience across all functionalities.

Reliability

- The system shall maintain consistent and stable operation for all users.
- Travel information and listings shall be regularly verified to ensure accuracy.
- Regular data backups shall be performed to prevent data loss.
- A recovery plan shall be implemented to restore system functionality in case of failure.

Usability

- The system shall have a user-friendly and intuitive interface, suitable for users with varying technical skills.
- The design shall allow users to easily navigate and access system features without confusion.
- User feedback shall be continuously collected and used to improve the interface and functionality.



Security

- The system shall implement data encryption to protect user information during transmission.
- Passwords shall be securely stored using encryption or hashing mechanisms.
- Regular security updates shall be performed to address vulnerabilities.
- User sessions shall be properly managed to prevent unauthorized access.

Maintainability

- The system shall be designed for easy maintenance, updates, and scalability.
- The codebase shall be clean, modular, and well-documented to simplify debugging and enhancements.
- Version control shall be used to track and manage software updates effectively.

3.3 In-scope & Out-scope

3.3.1 In-scope

- Users can register in the system as travelers or service providers (hotels, transport providers, or tour guides).
- Travelers can search for travel destinations and explore available activities.
- Travelers can search, view details, and book hotels.
- Travelers can search, view details, and book transport providers.
- Travelers can search, view details, and book tour guides.
- Travelers can provide ratings and feedback to service providers.
- Travelers can customize their own tour plans.
- Travelers can view a detailed report summarizing their tour.
- Service providers can view and track their earnings.
- Admin can monitor all activities in the system.
- Admin can generate reports.

3.3.2 Out-scope

- Users can view a calendar to check availability and plan their tours.
- The system provides restaurant booking facilities for travelers.

3.4 Constraints & Limitations

- The success of the system depends on the active participation of all stakeholders, including tourists, service providers, and the admin, which may be difficult to achieve consistently.
- The accuracy and usefulness of the booking, review, and reporting features are dependent on timely updates from hotels, transport providers, and guides, which may not always occur.
- The scalability of the system is limited; performance may degrade with a large number of simultaneous users or bookings unless infrastructure is upgraded.
- The project is implemented without the use of external frameworks, requiring detailed coding for all features and potentially increasing development complexity and time.

4. Proposed System's Architecture

Our system is made on MVC architecture with a framework created by us.

4.1 Components & Their Functionalities

There are three main components in the Ceylon Go system: Models, Views, and Controllers.

- **Views** display the frontend to all users.
- **Models** interact with the database to store and retrieve system data.
- **Controllers** act as intermediaries, interacting with both models and views to process user requests and manage application logic.

1. Models

- **Purpose:** Handle data-related logic and interact directly with the database.
- **Functionalities:**
 1. Manage database queries for tourists, hotels, tour guides, transport providers, bookings, payments, reviews, and reports.
 2. Define relationships between entities such as tourists and bookings, bookings and tour packages, and reviews or reports and service providers.



3. Ensure data integrity and validation when inserting, updating, or deleting records.

2. Views

- **Purpose:** Handle the presentation layer of the system.
- **Functionalities:**
 1. Display data received from controllers in a clear and user-friendly manner.
 2. Adapt layouts for different roles: RegisteredTourist, UnregisteredTourist, Hotel, TransportProvider, TourGuide, and Admin.
 3. Provide interactive forms for bookings, payments, feedback, report submission, and profile management.

3. Controllers

- **Purpose:** Act as the intermediary between the models and views.
- **Functionalities:**
 1. Process user requests such as searching for tours, booking a hotel, making a payment, or submitting a review/report.
 2. Invoke the appropriate model methods to retrieve or update data.
 3. Send the processed data to views for presentation.
 4. Enforce application logic, including verifying bookings, validating user inputs, managing availability, and handling cancellations or refunds.

4.2 Component Interactions

1. User Interaction with Views

- Tourists (registered and unregistered), hotels, transport providers, tour guides, and the admin interact with the system through the user interface (views).
- For example, when a registered tourist searches for a tour package or makes a booking, the request is captured by the relevant view.

2. Request Handling by Controllers

- The controller processes the user's request (e.g., booking a tour, submitting a review, or updating hotel availability) and determines the required data or action.
- It communicates with the corresponding model to retrieve, update, or validate the data.
- For example, when a tourist submits a payment for a booking, the controller verifies the booking and invokes the payment model to process the transaction.

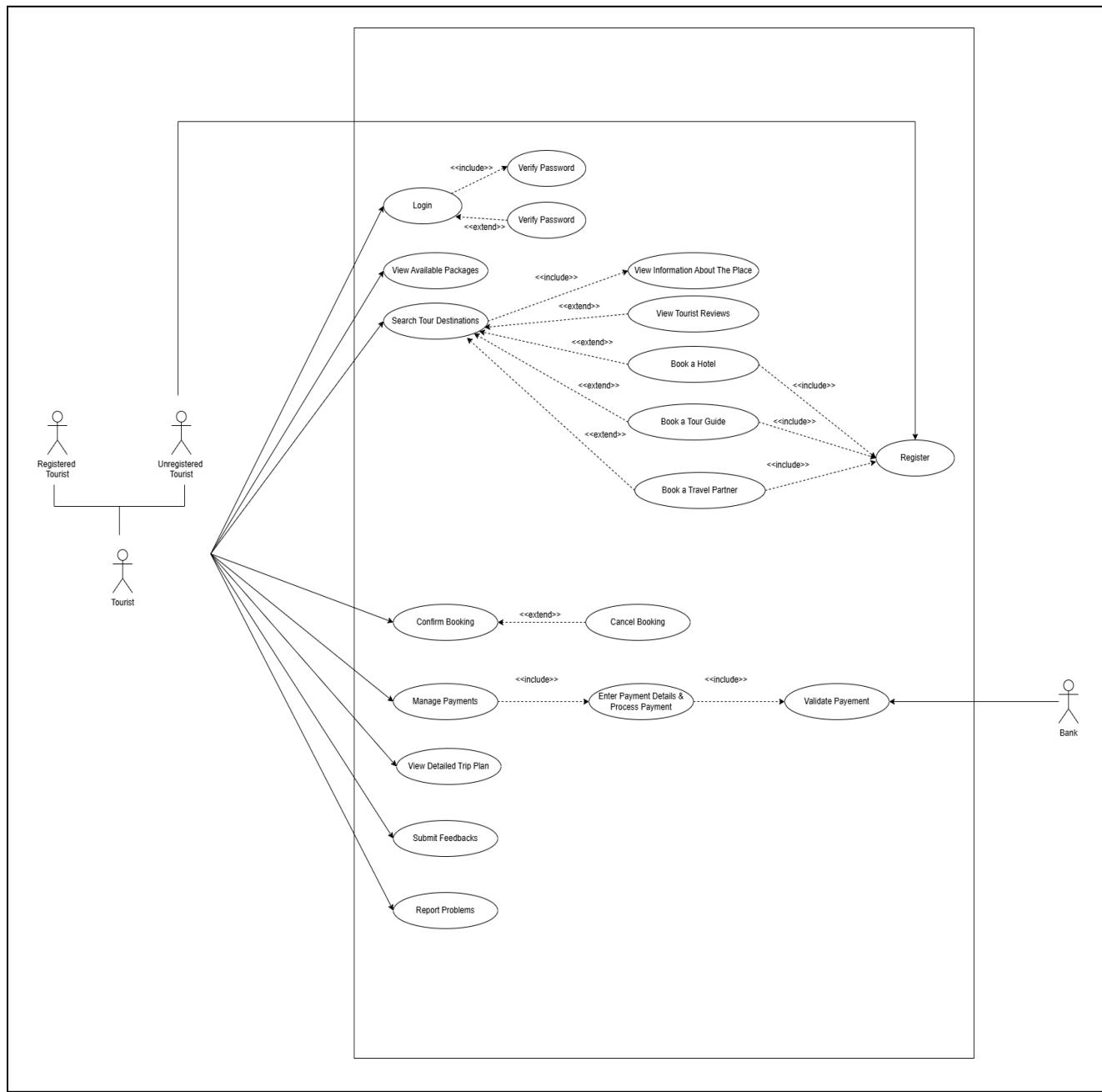
3. Data Handling by Models

- The model performs database operations based on the controller's instructions.
- For example, if a tour guide updates their availability, the model updates the guide's schedule in the database.
- Similarly, when a tourist submits a review or a report, the model stores the data and links it to the relevant booking, service provider, or user.

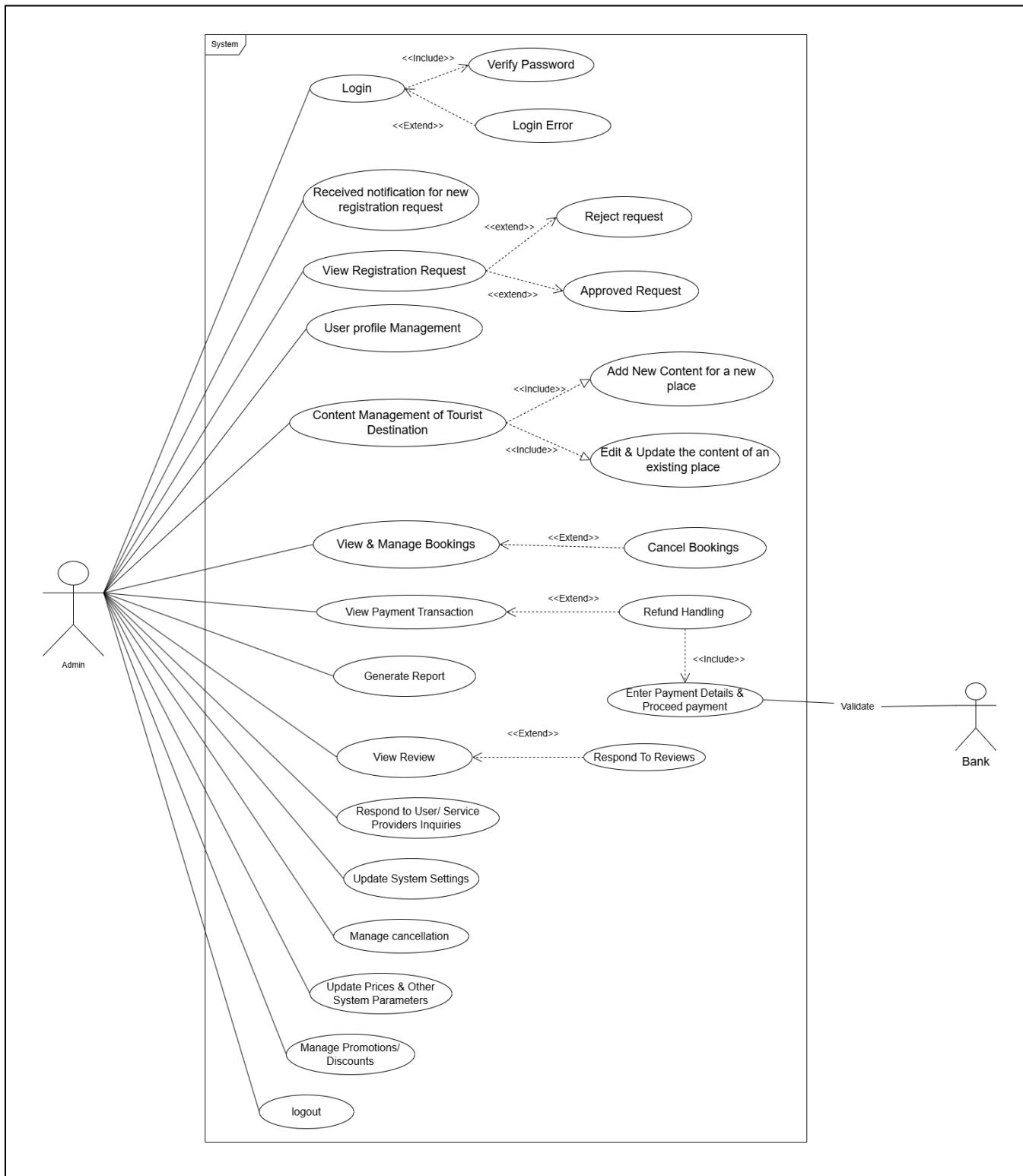
5. System Design Diagrams

5.1 Use Case Diagrams

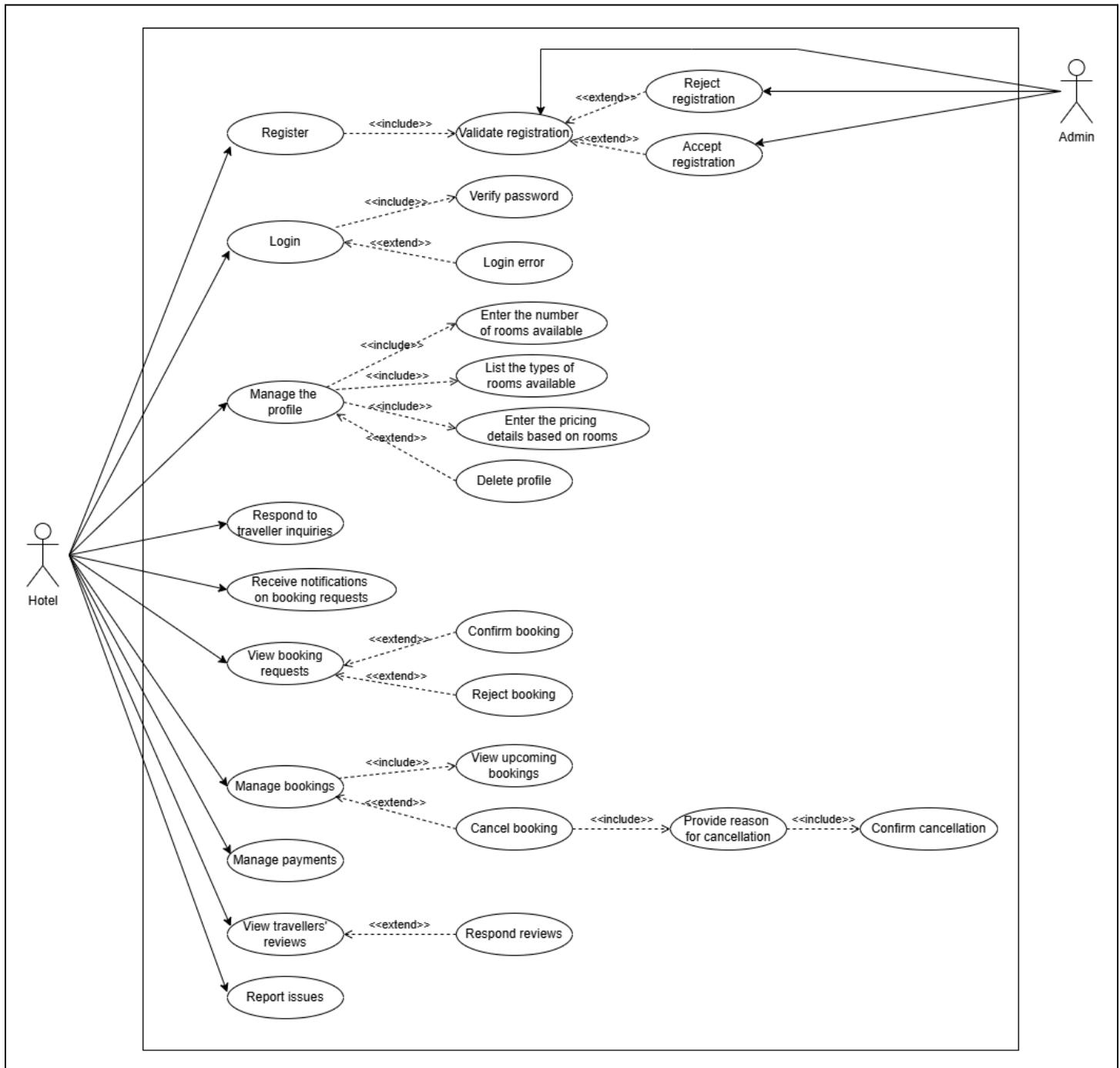
5.1.1 Tourist



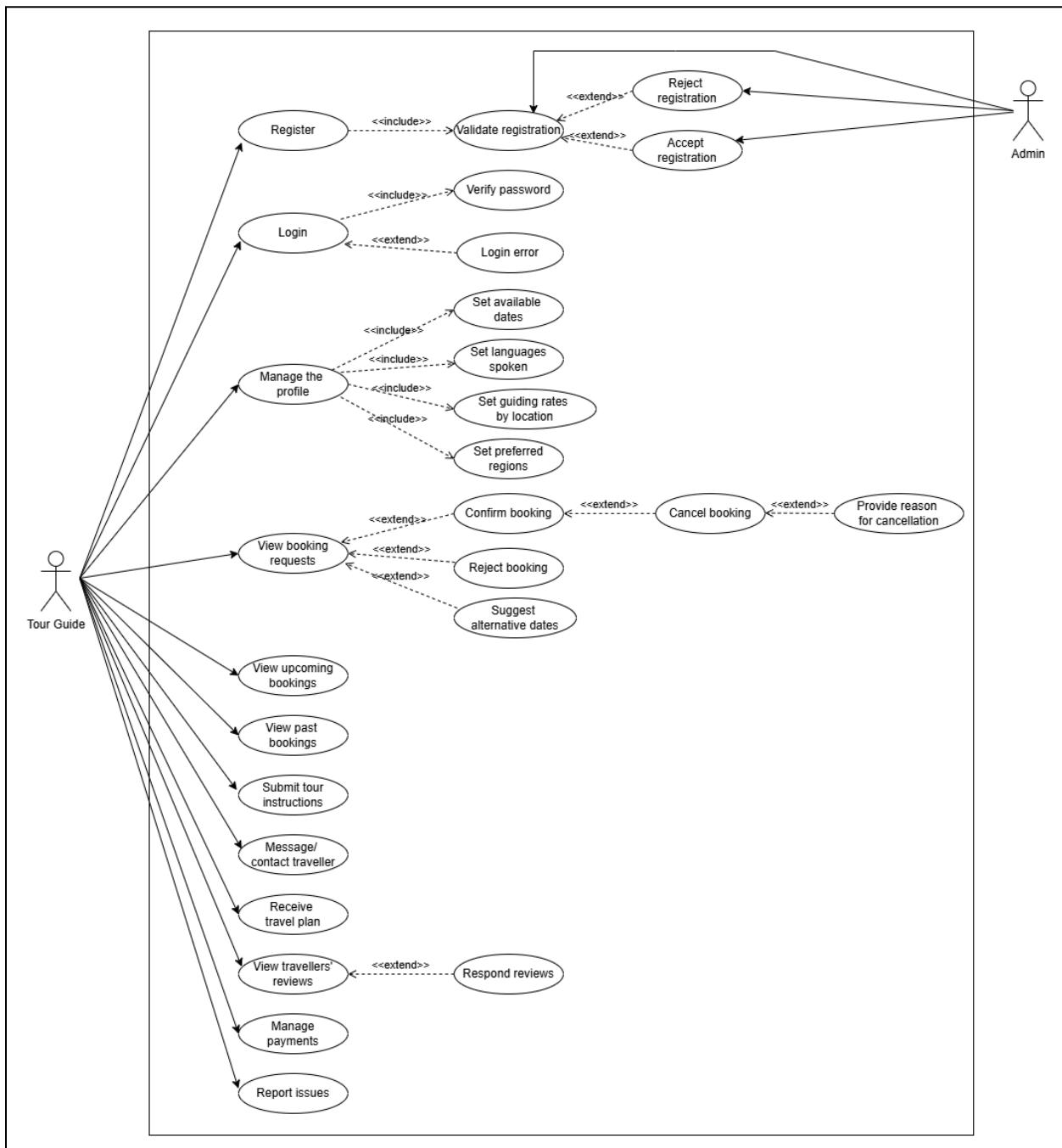
5.1.2 Admin



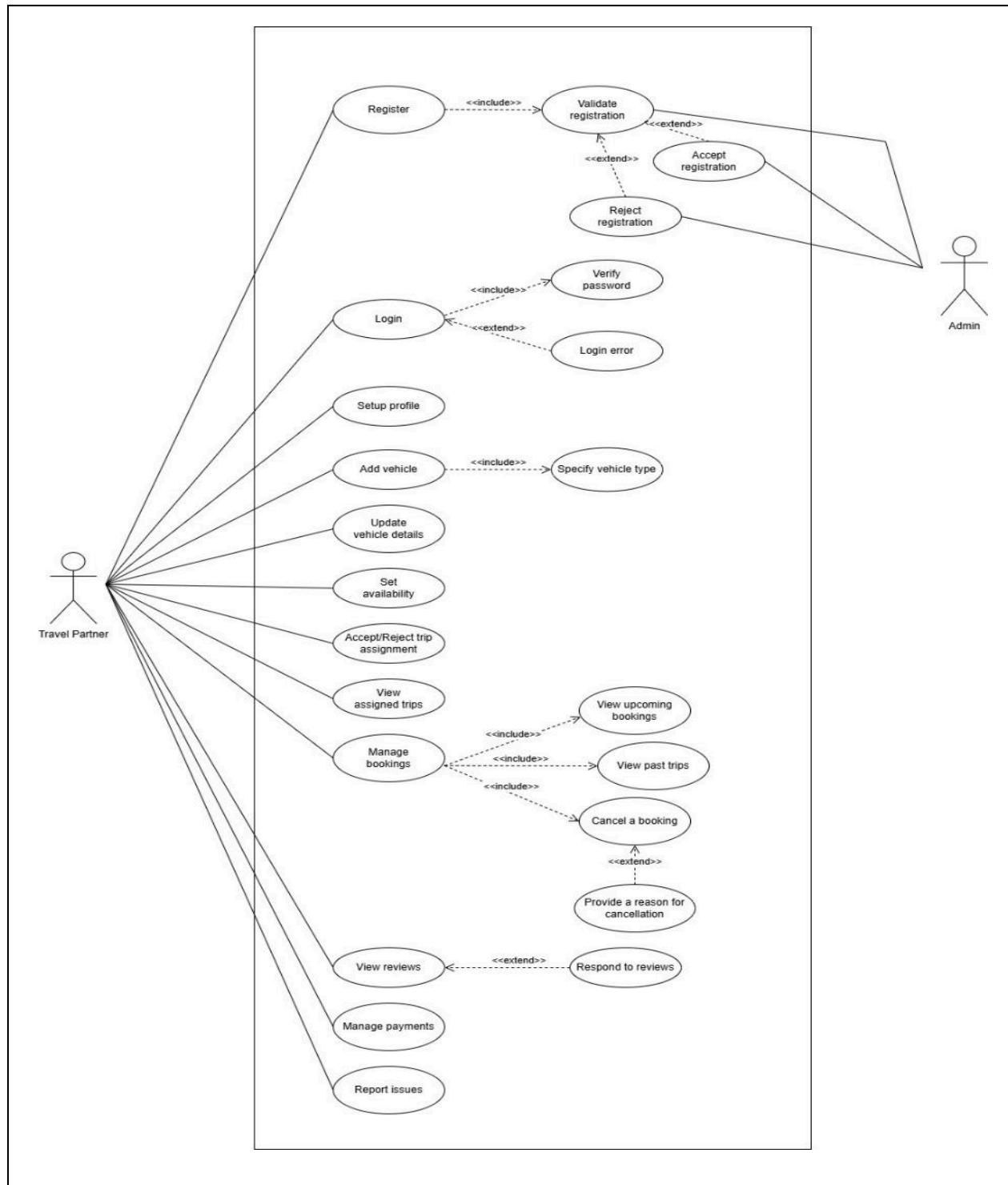
5.1.3 Hotel



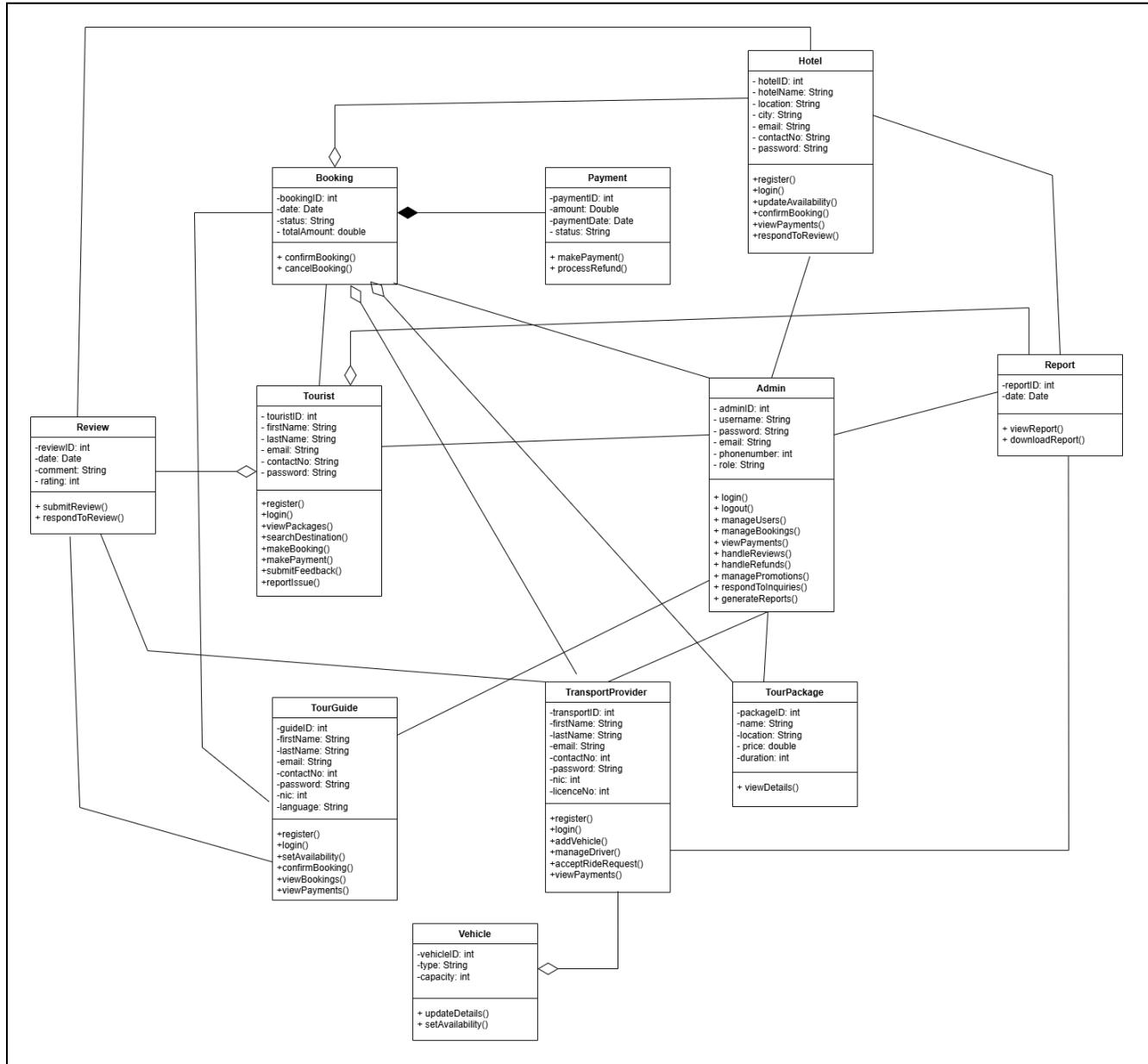
5.1.4 Tour Guide



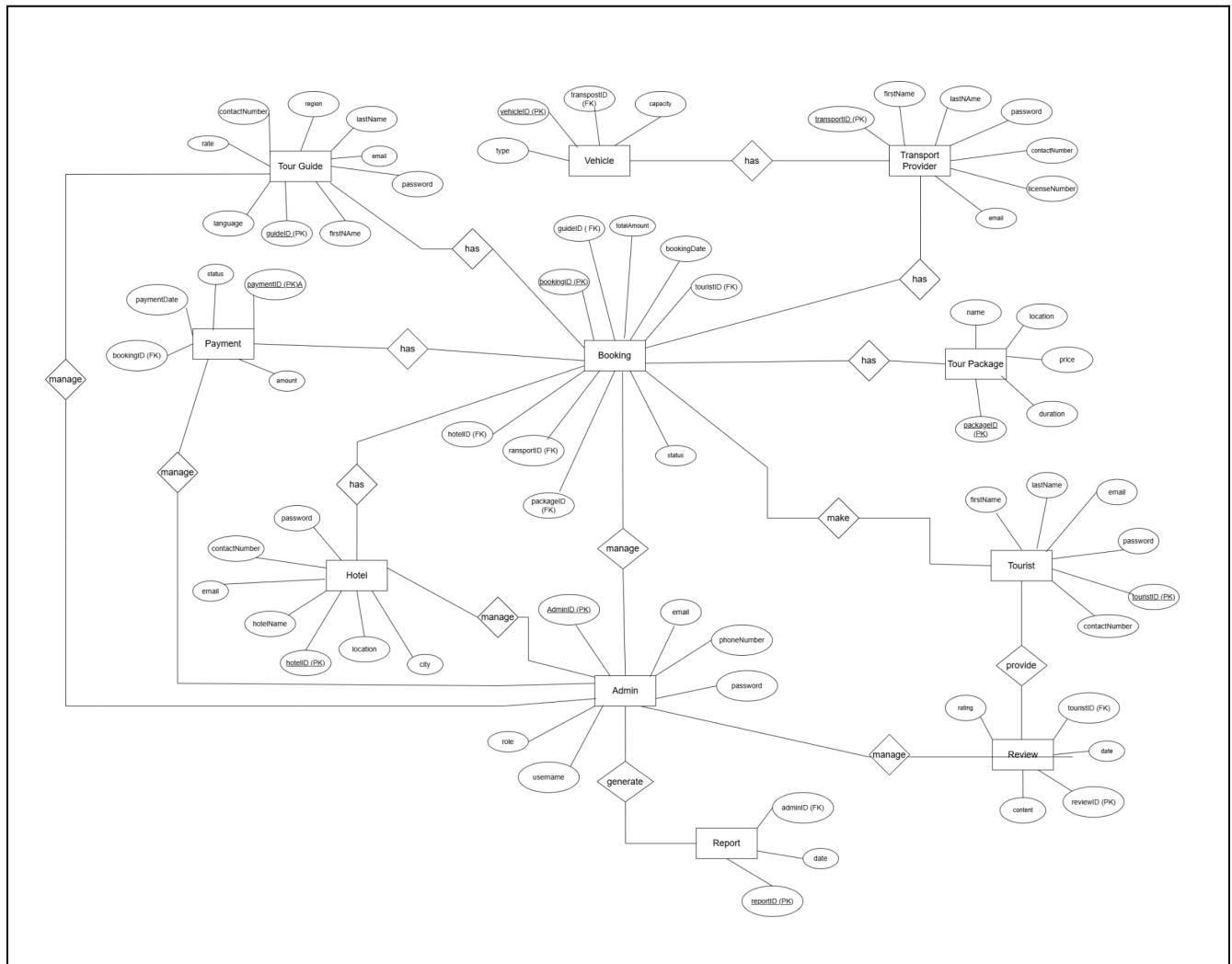
5.1.5 Transport Provider



5.2 Class Diagram



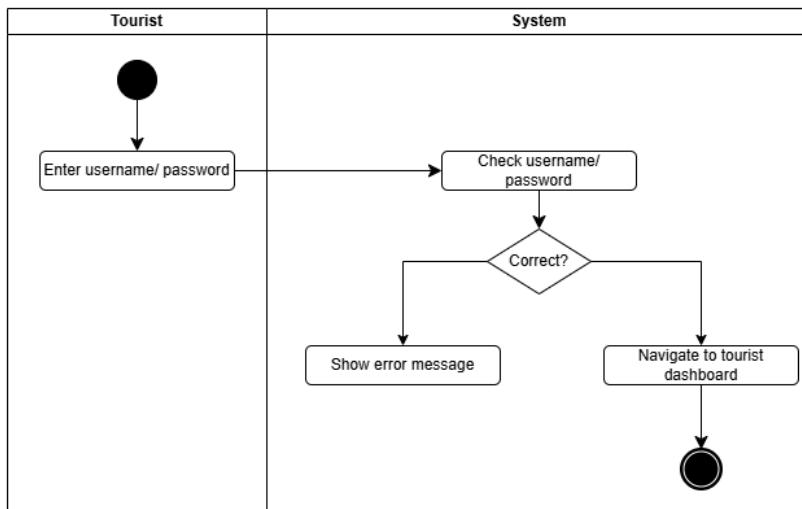
5.3 ER Diagram



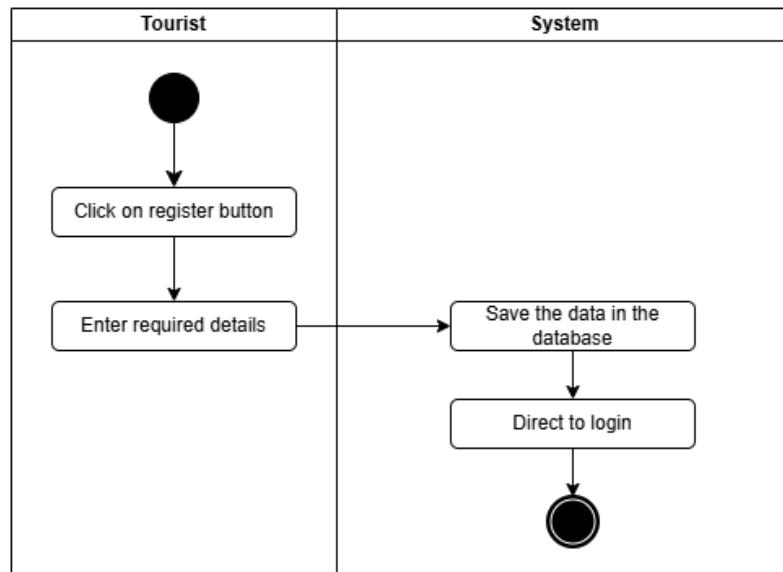
5.4 Activity Diagrams

5.4.1 Tourist

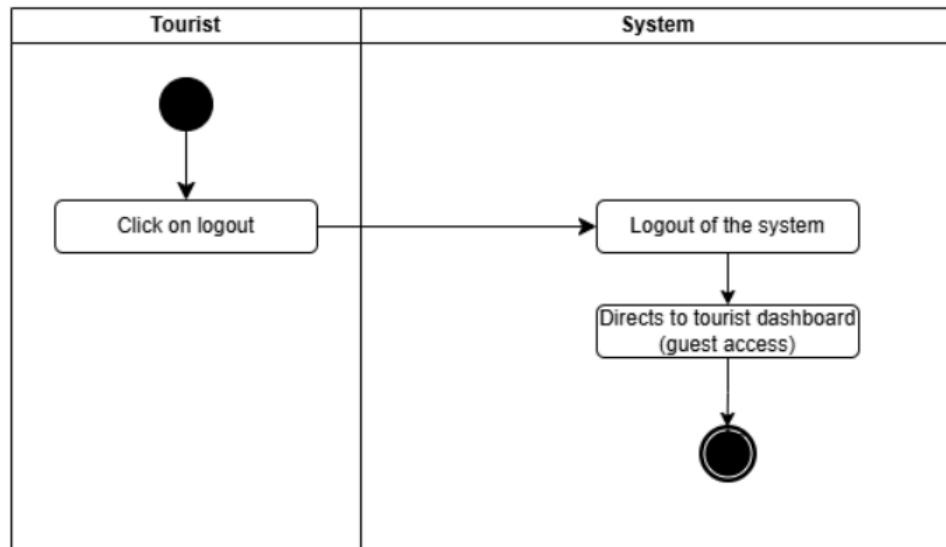
- Login



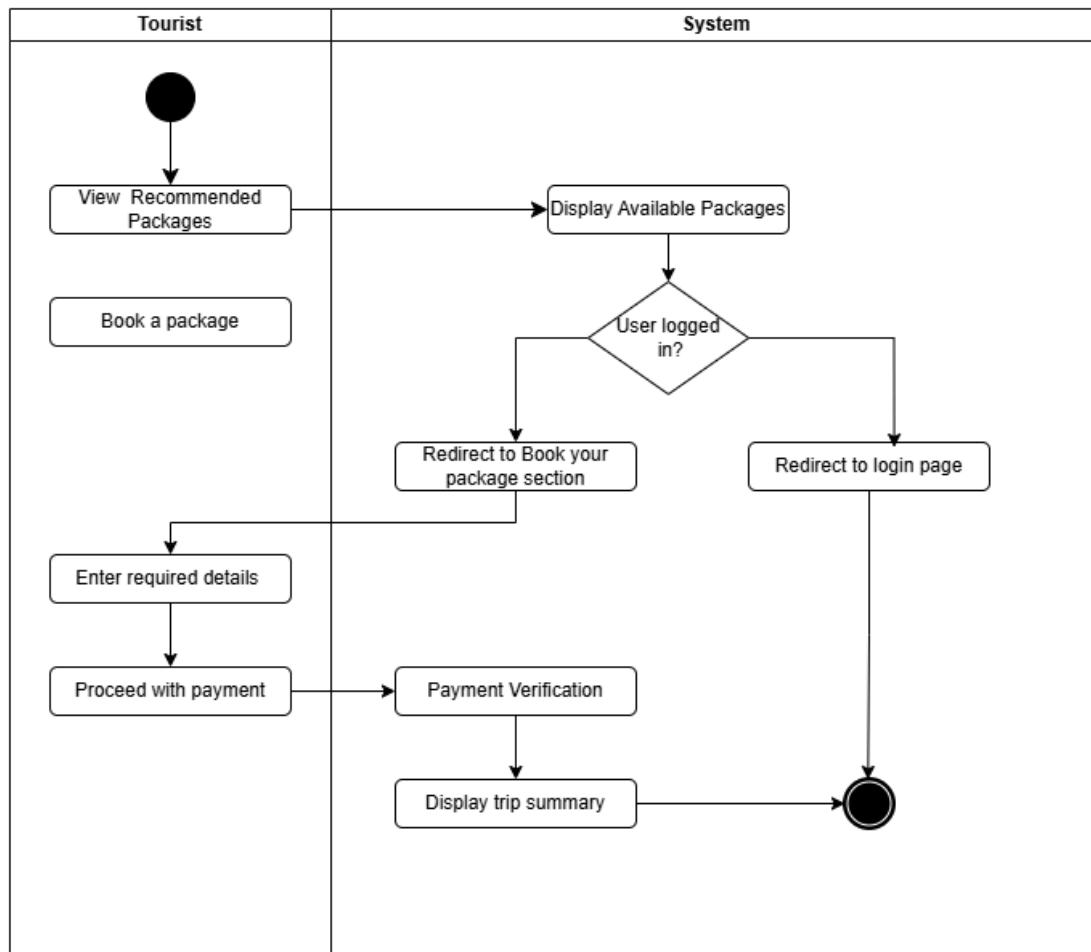
- Register



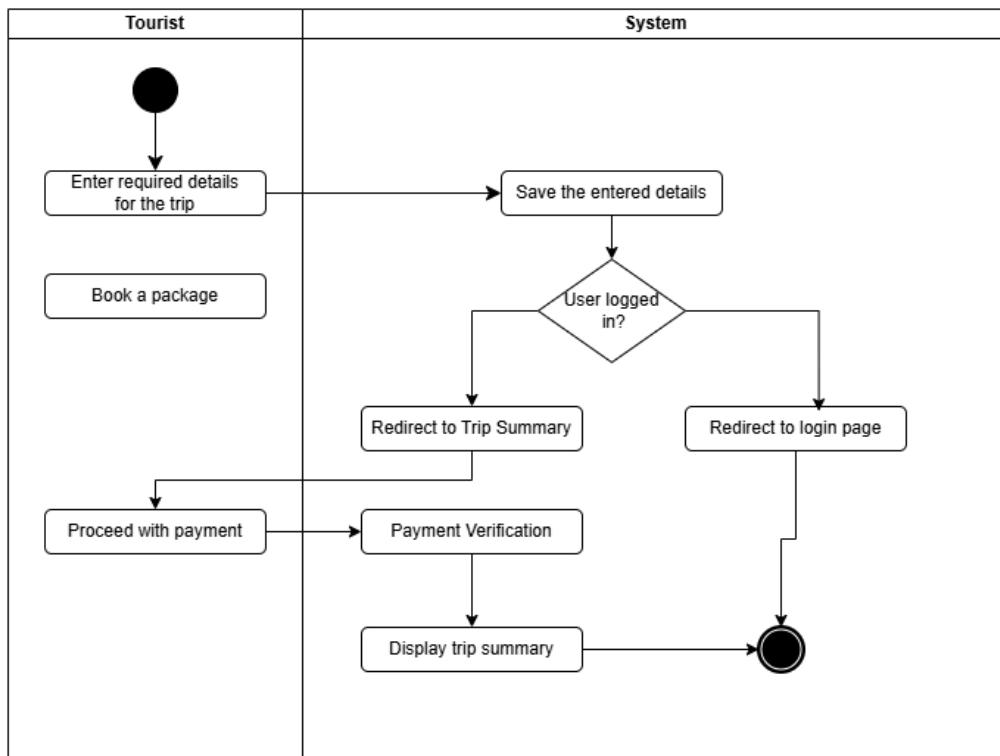
- Logout



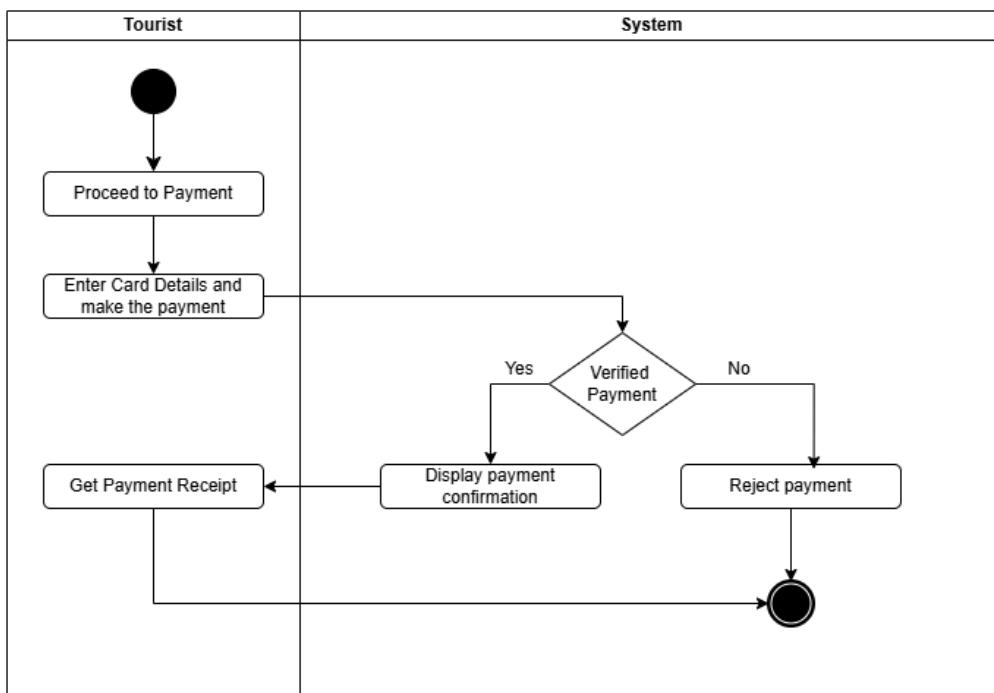
- Recommended Packages



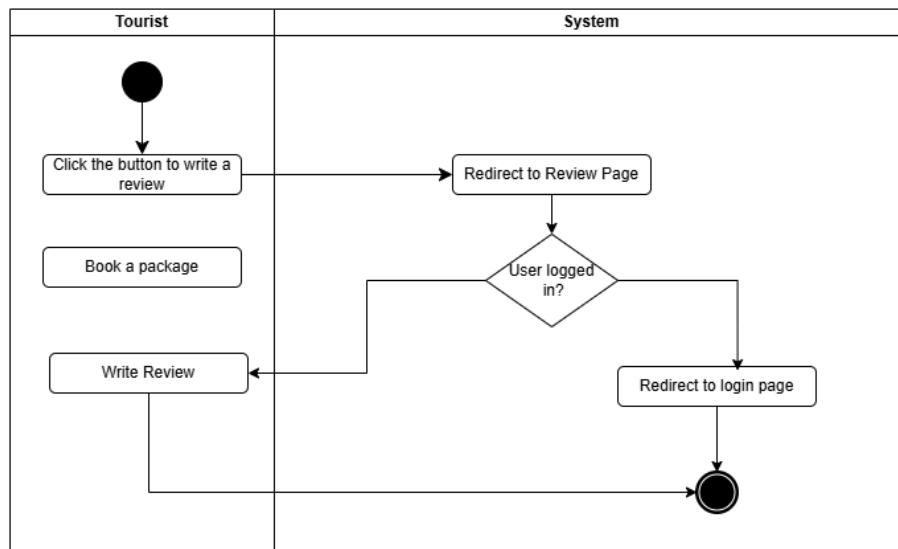
- Customising Trip



- Making Payment

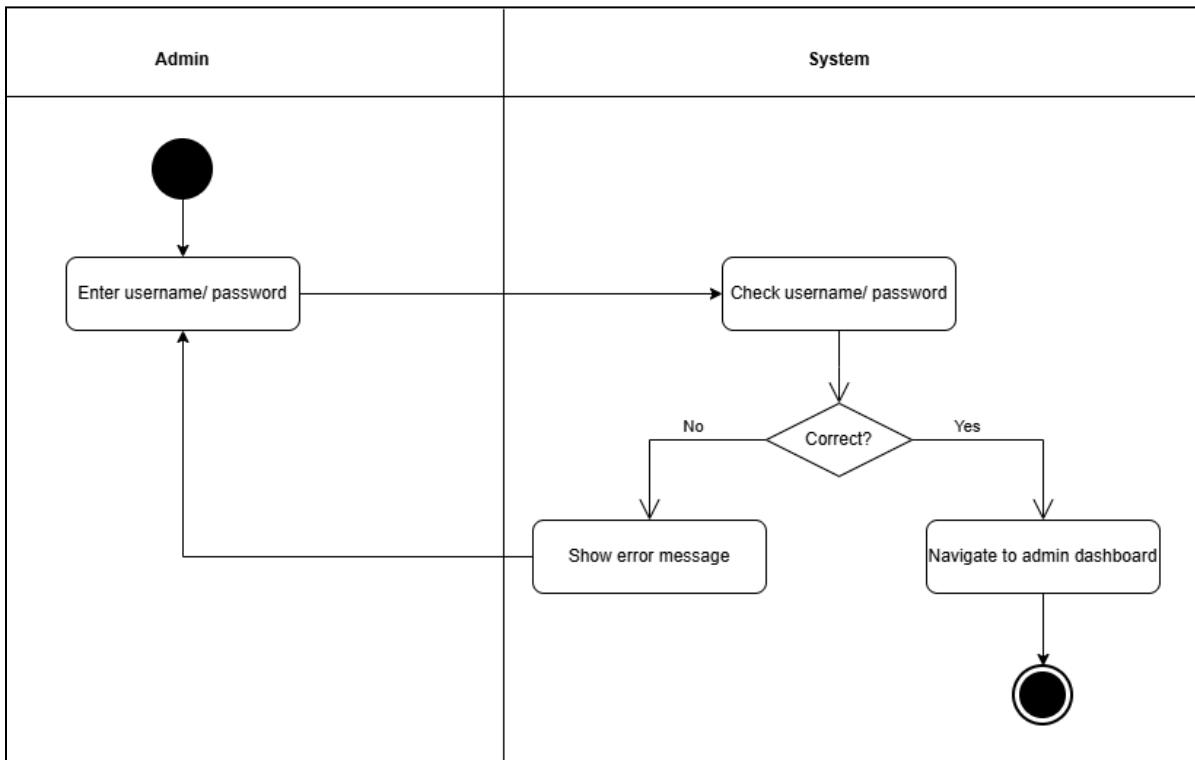


- Write a Review

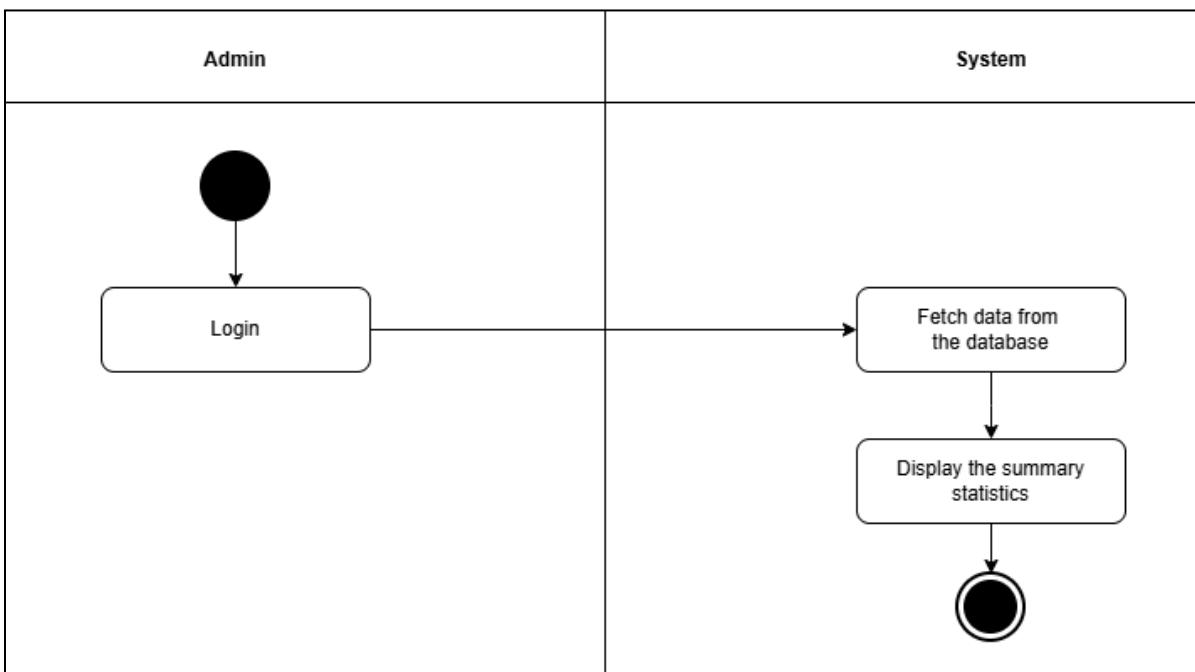


5.4.2 Admin

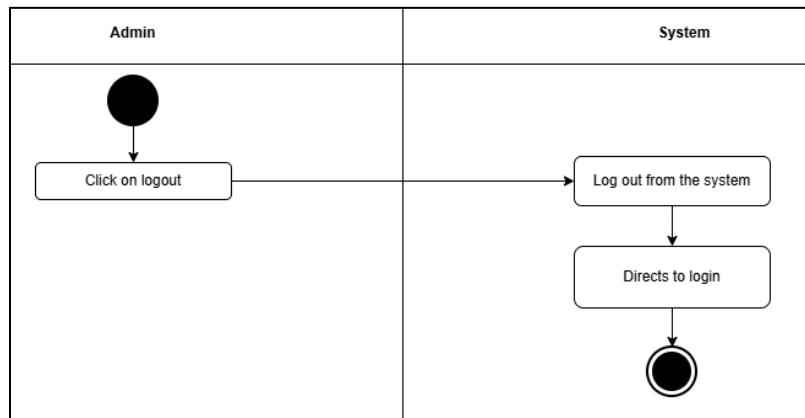
- Login



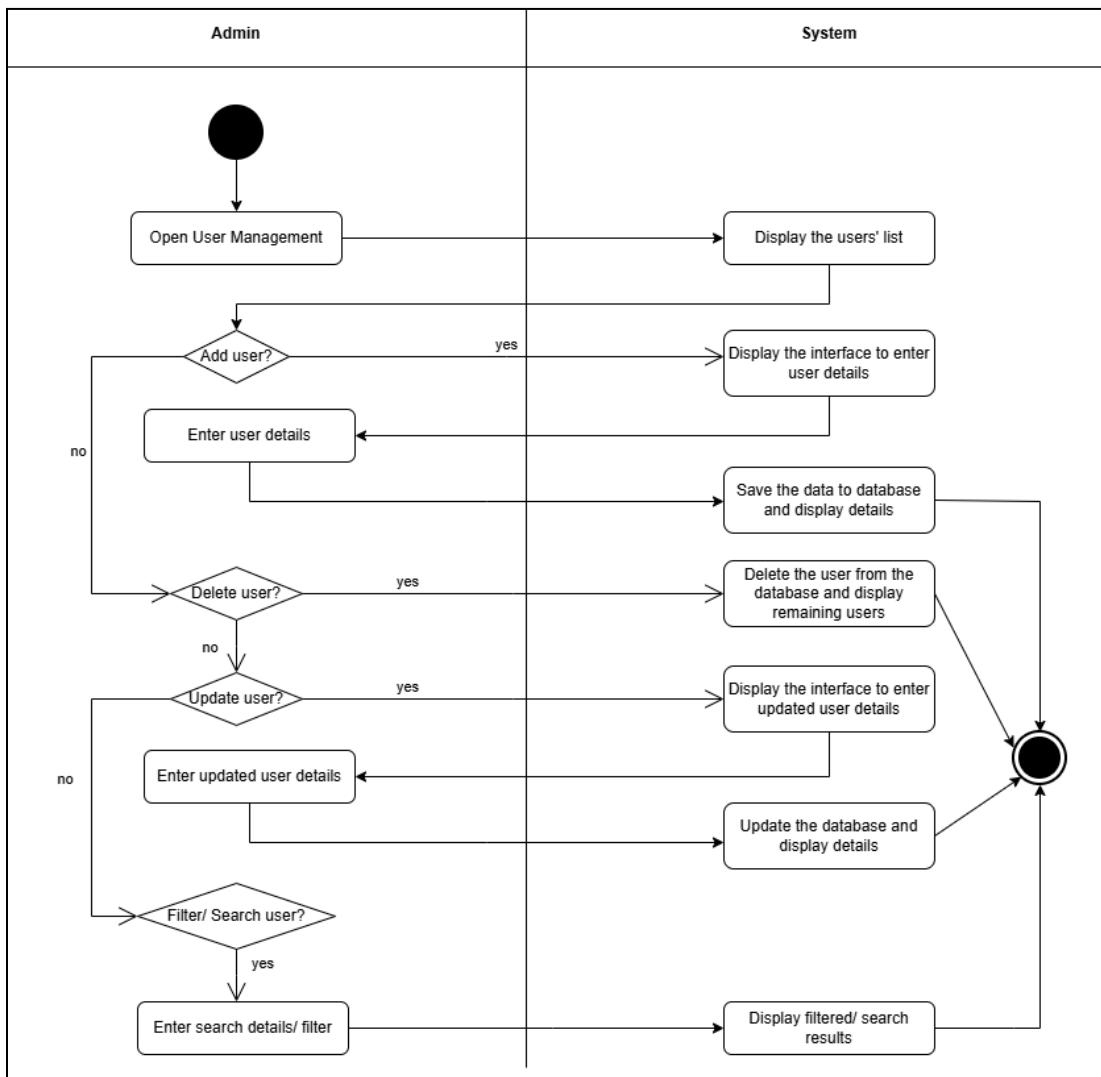
- View Dashboard



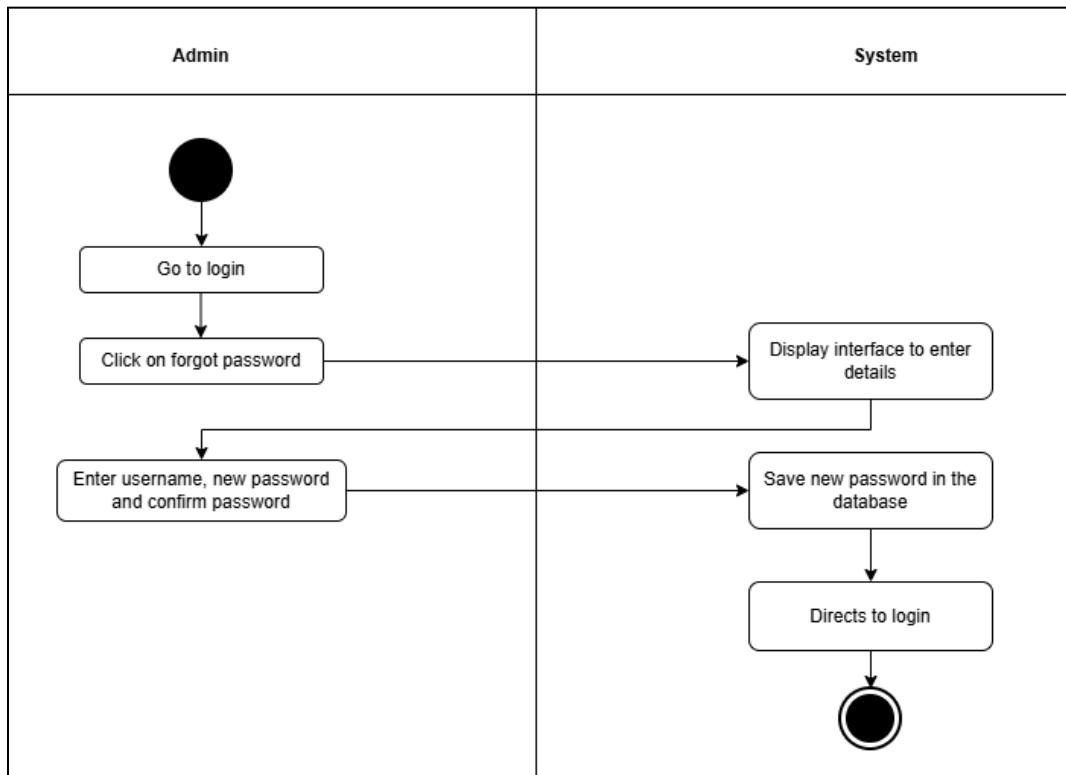
- Logout



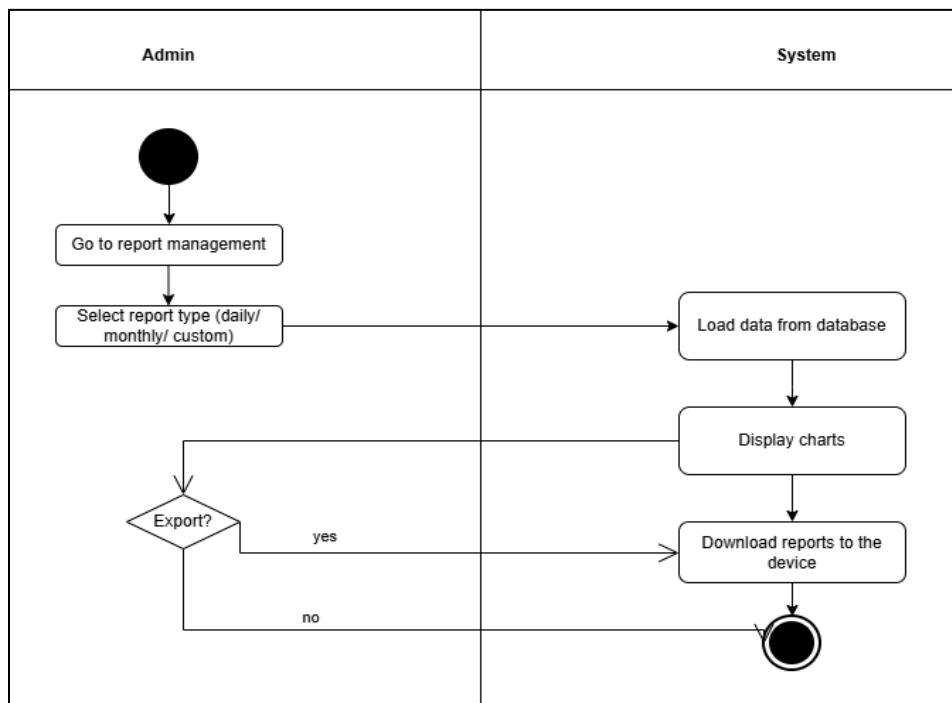
- Manage Users



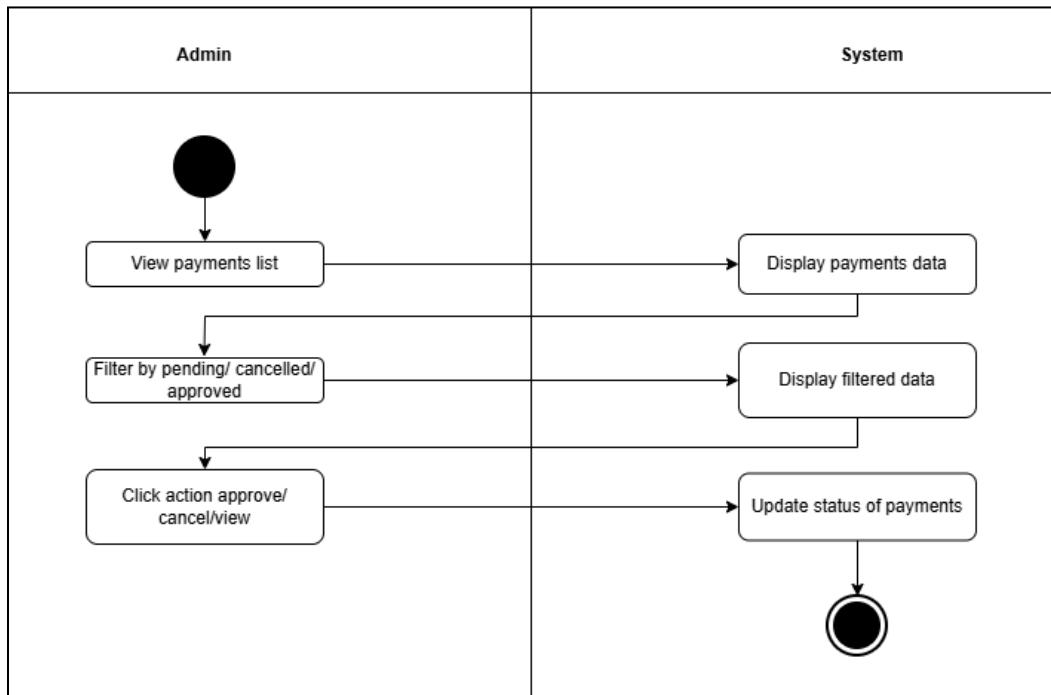
- **Forgot password action**



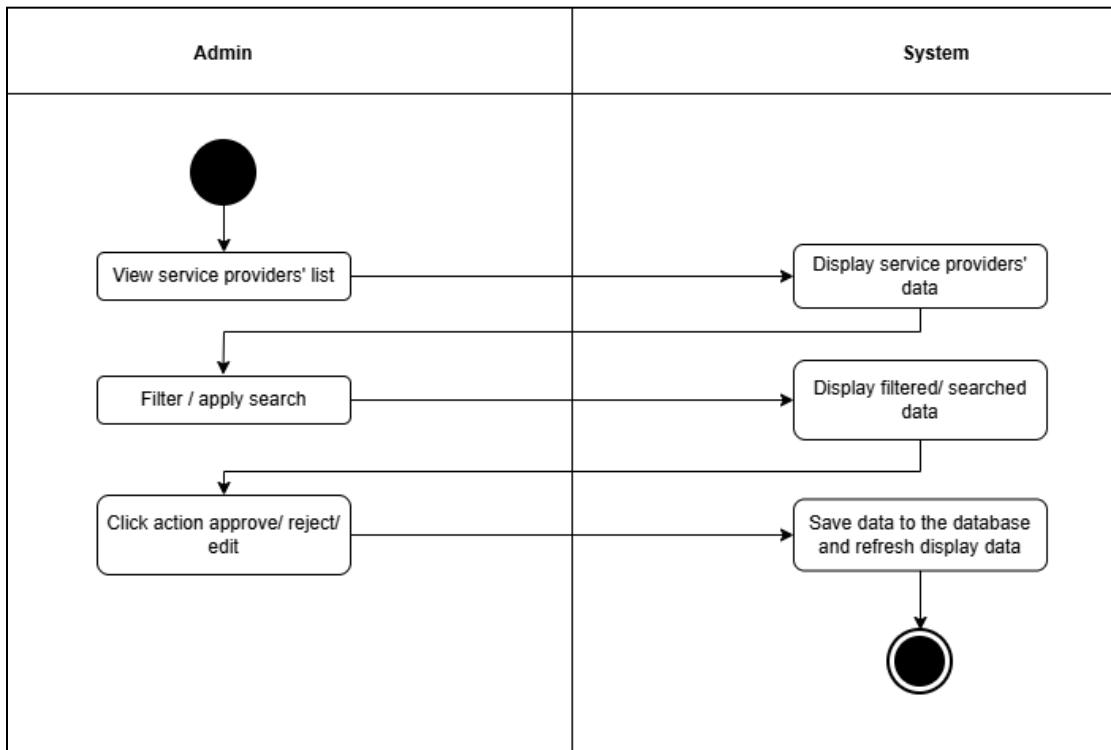
- **Reports Management**



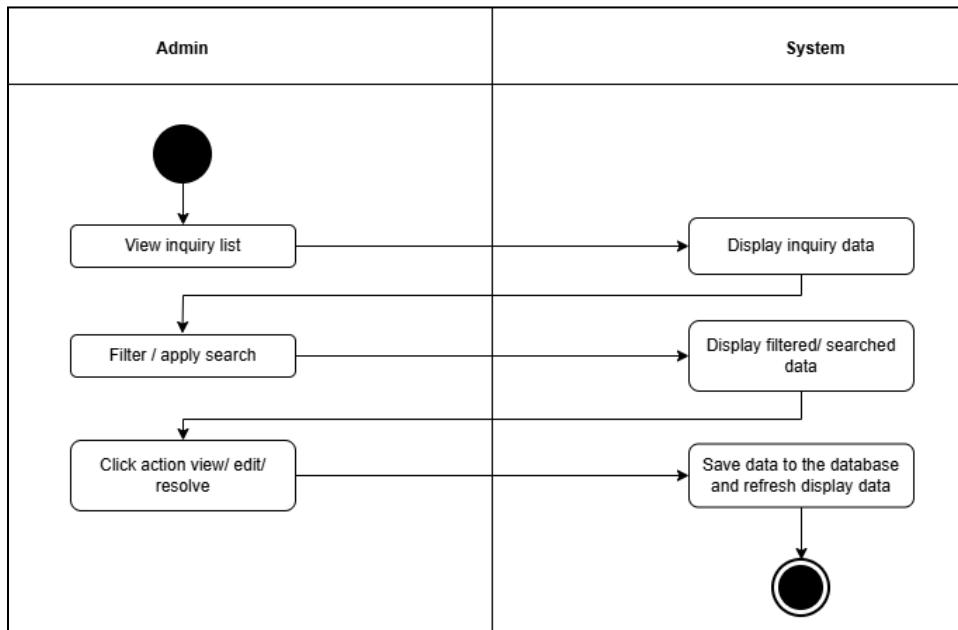
- **Payments Management**



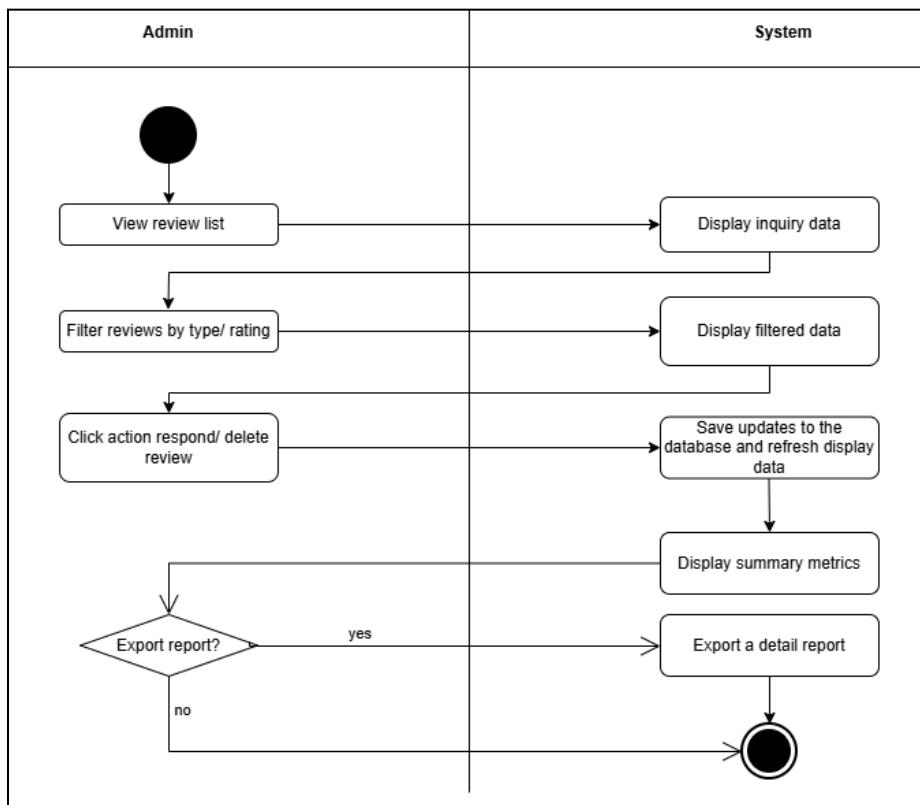
- **Service Provider Management**



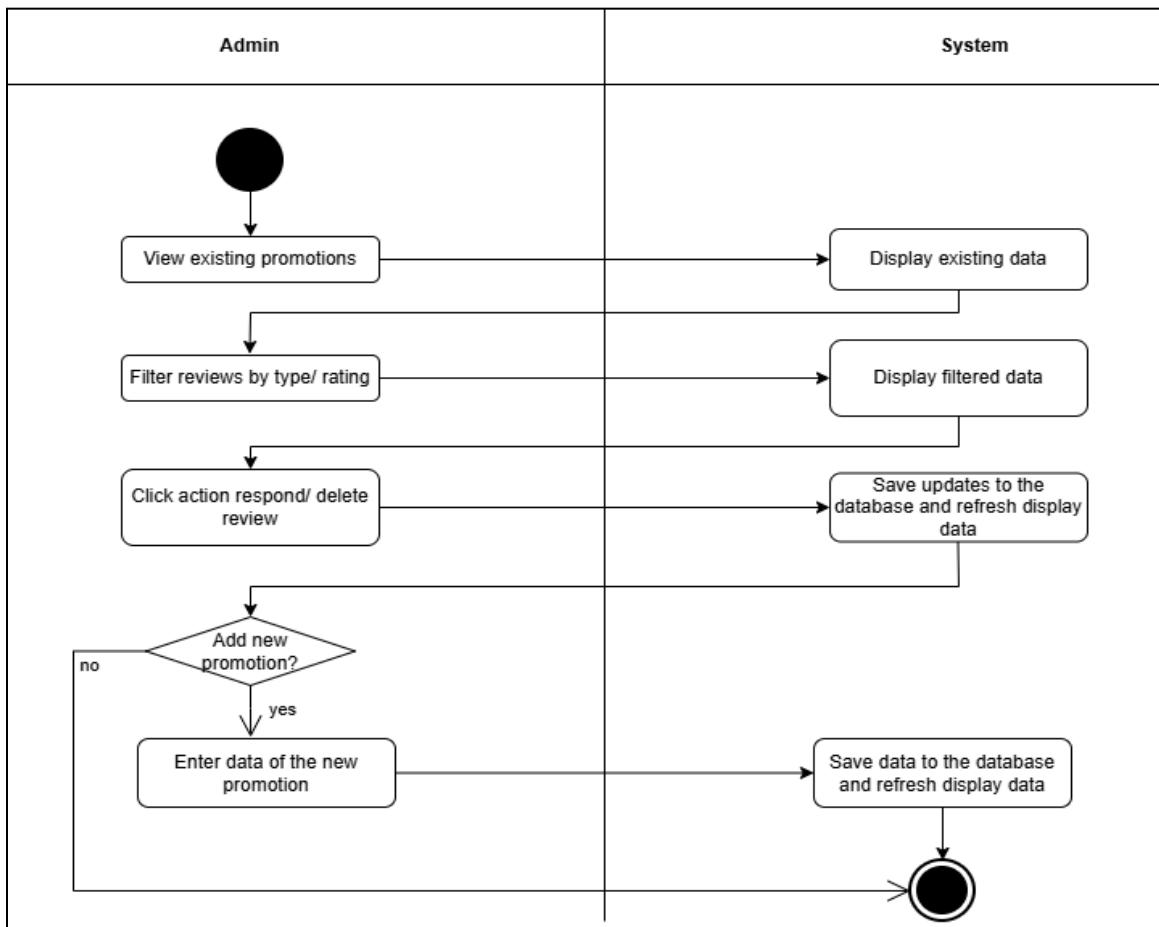
- Inquiry Management



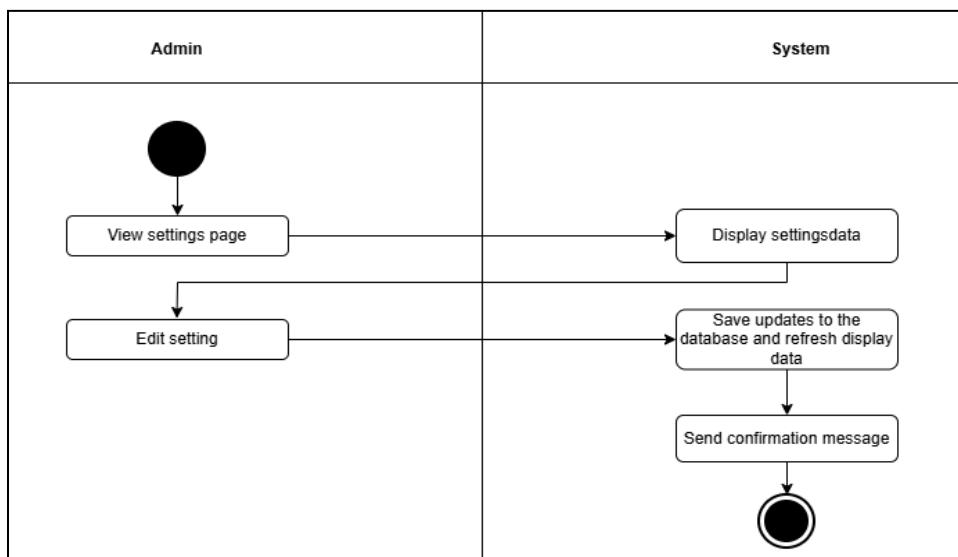
- Review Management



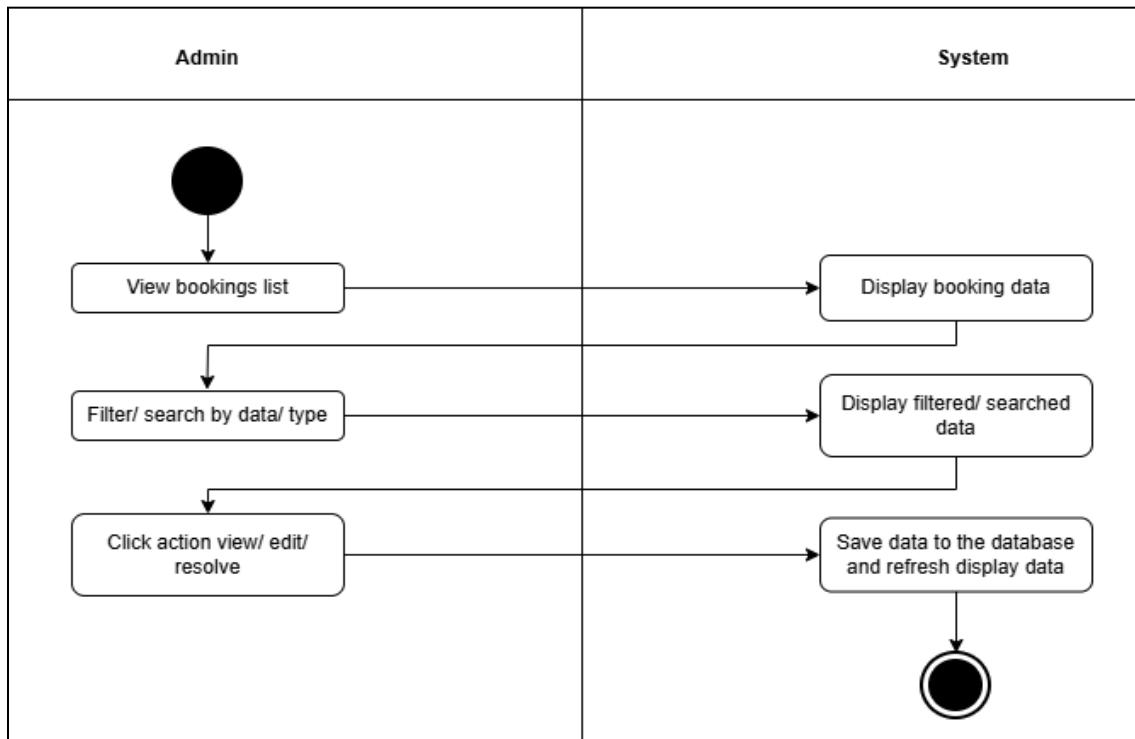
- Promotions Management



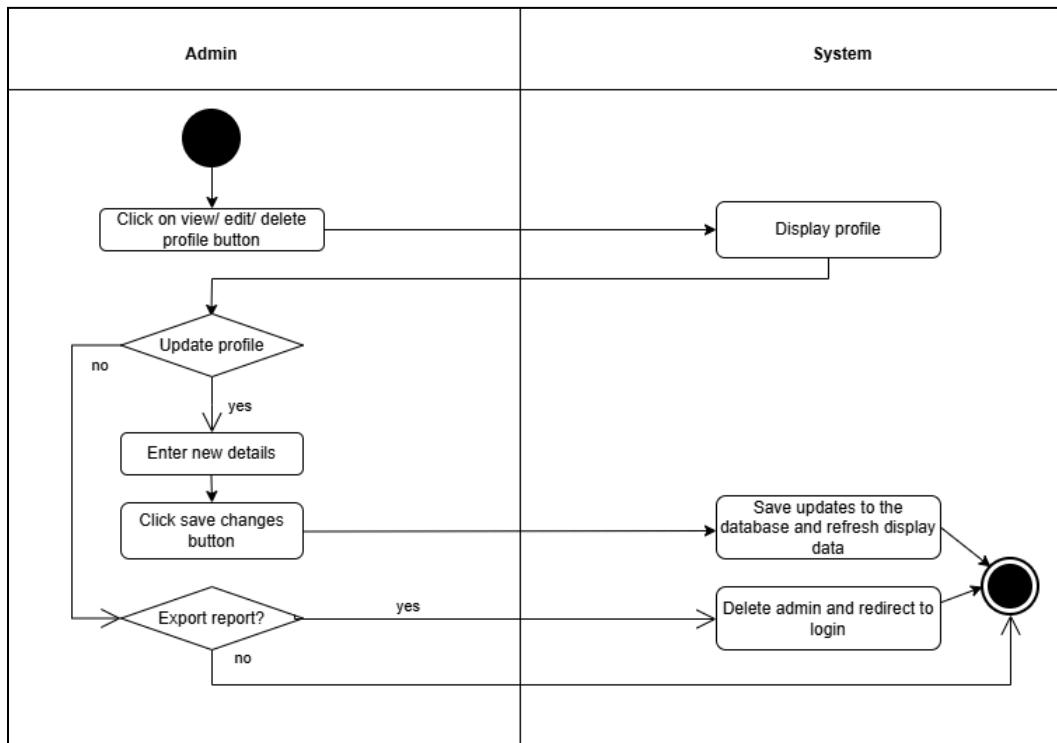
- Settings Management



- Bookings Management

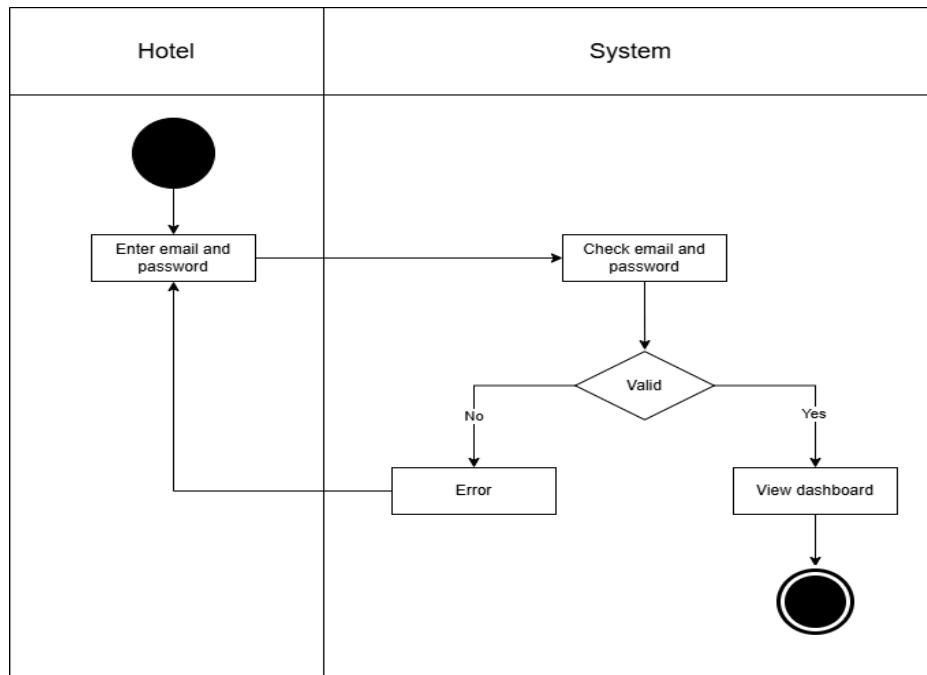


- Profile Management

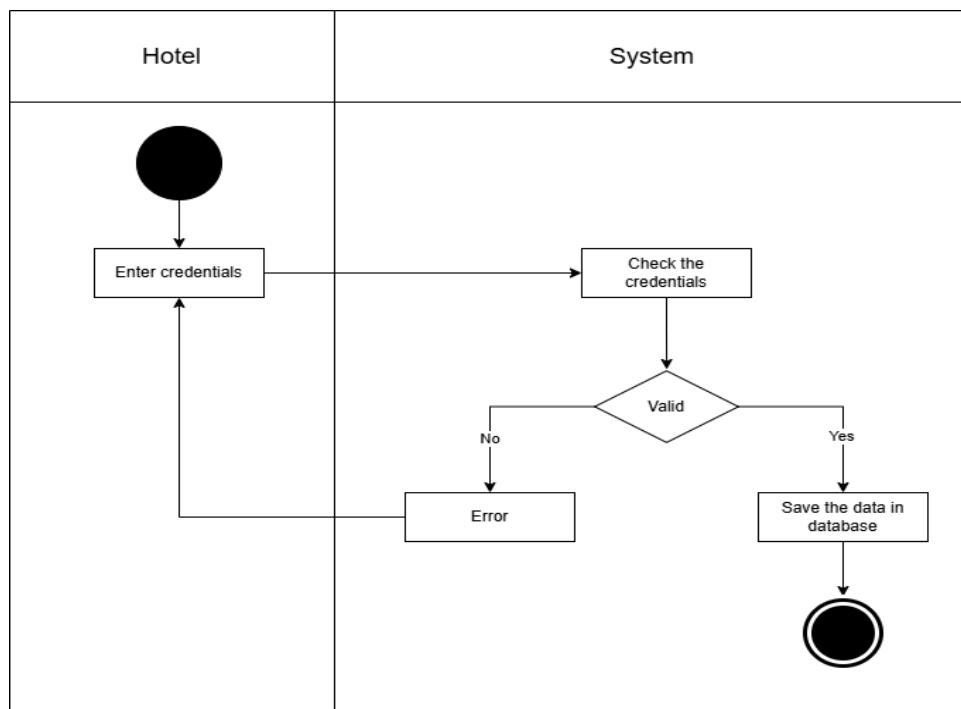


5.4.3 Hotel

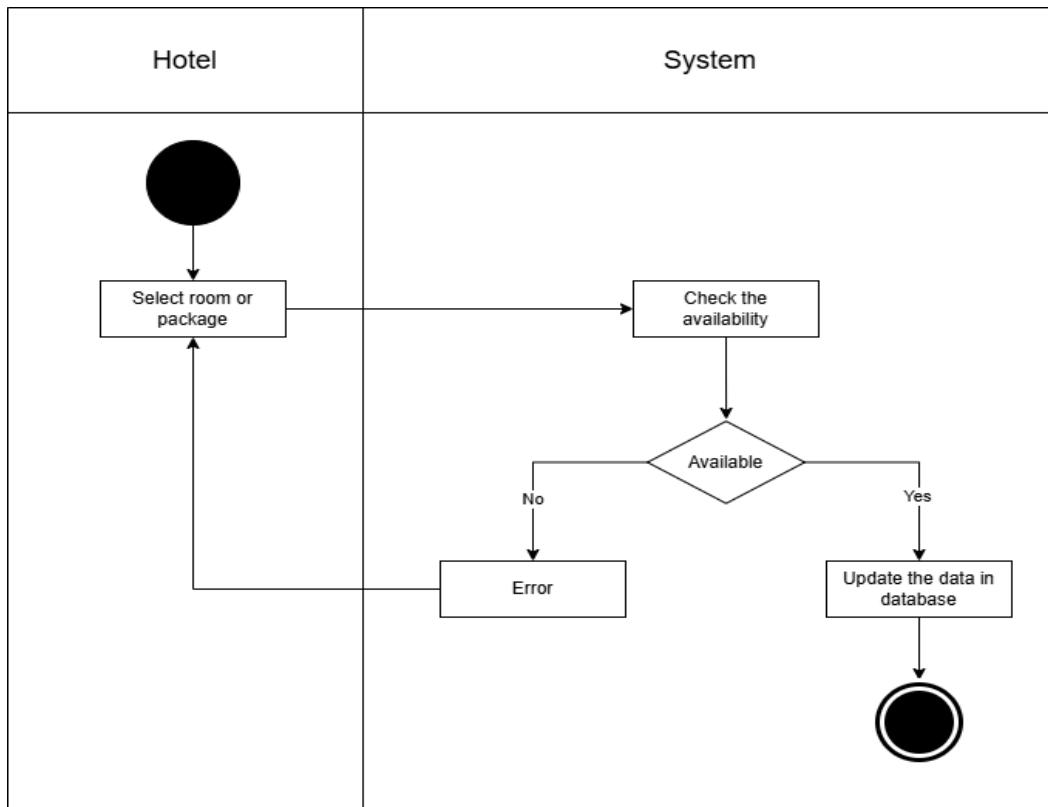
- Login



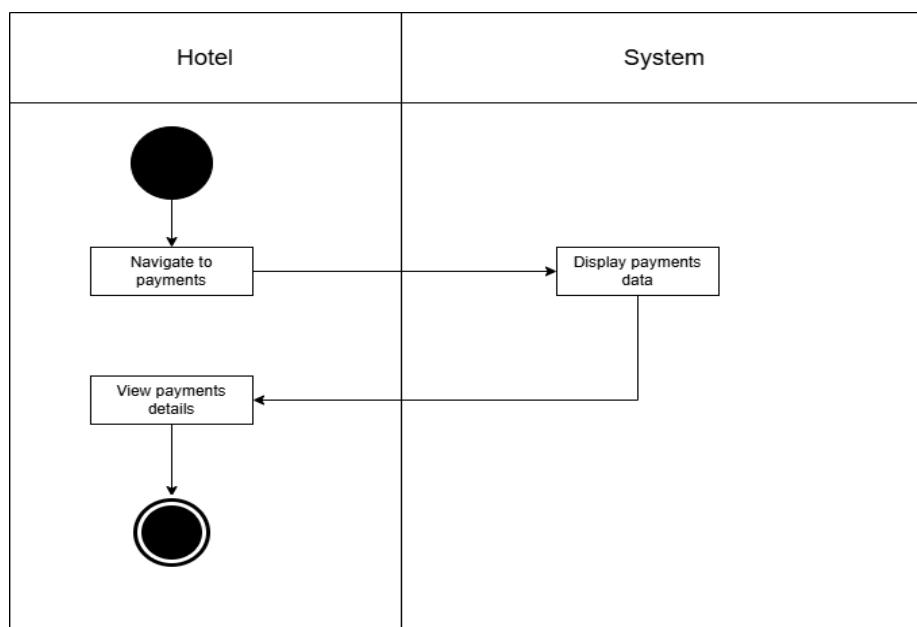
- Register



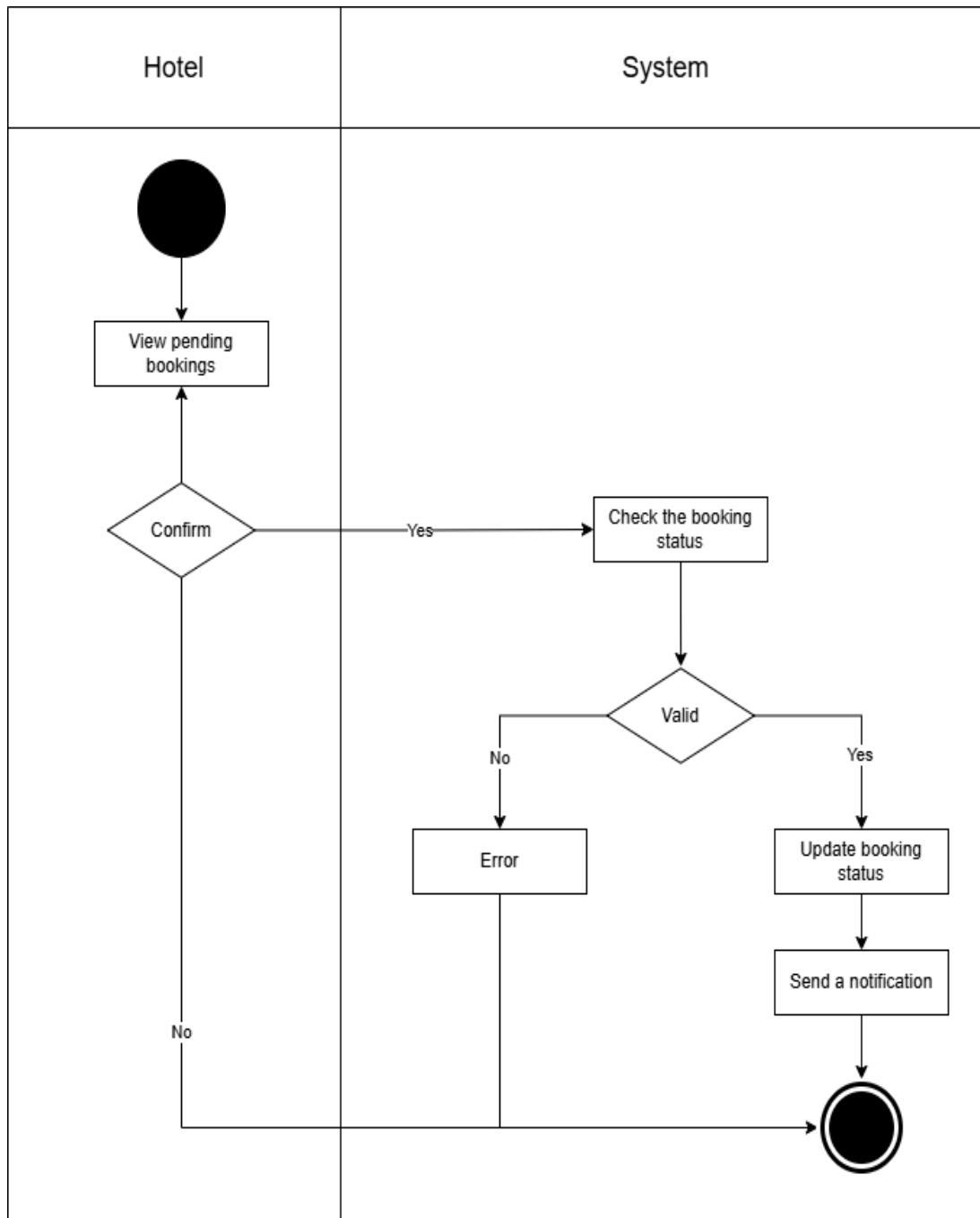
- **UpdateAvailability**



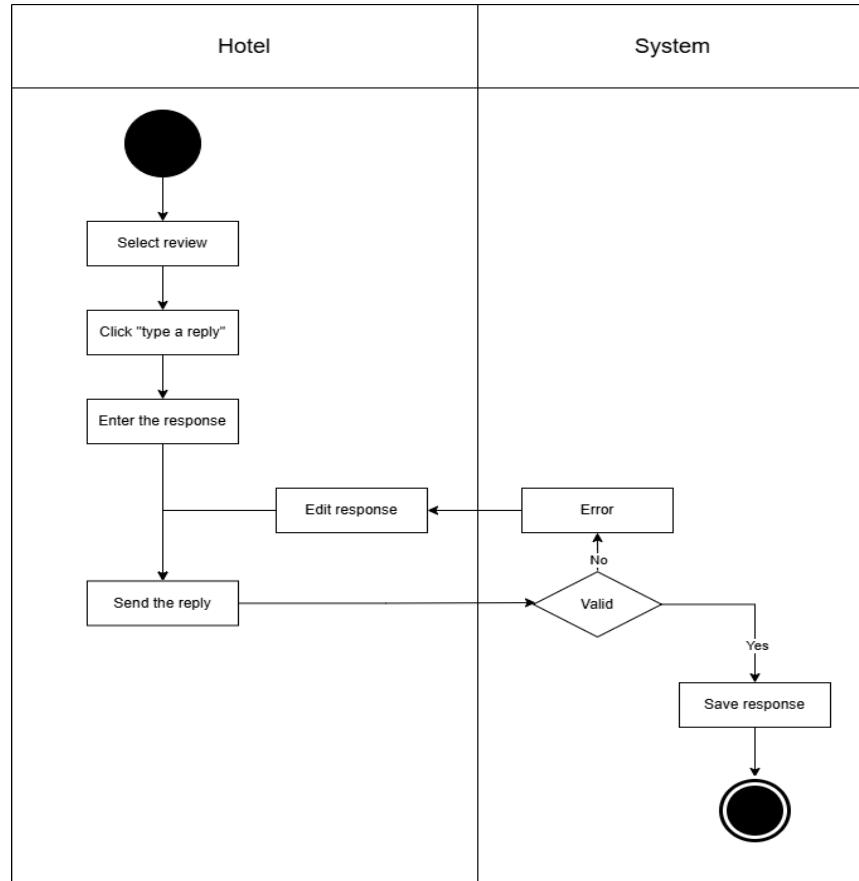
- **ViewPayments**



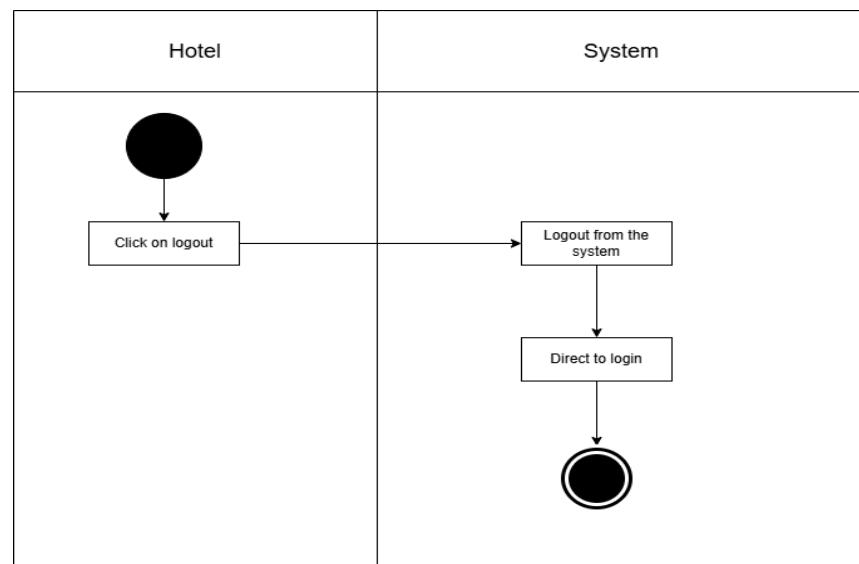
- **ConfirmBooking**



- RespondToReview

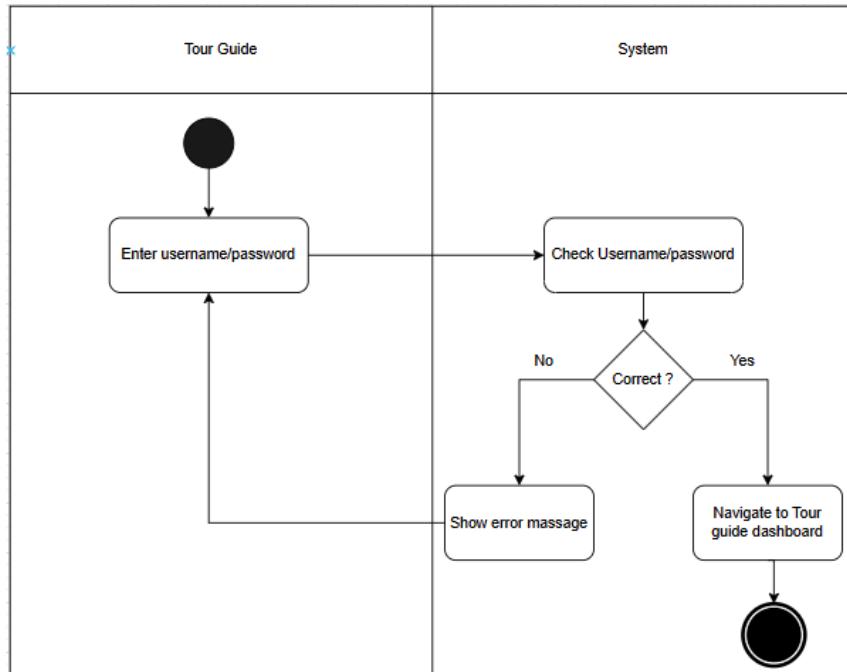


- Logout

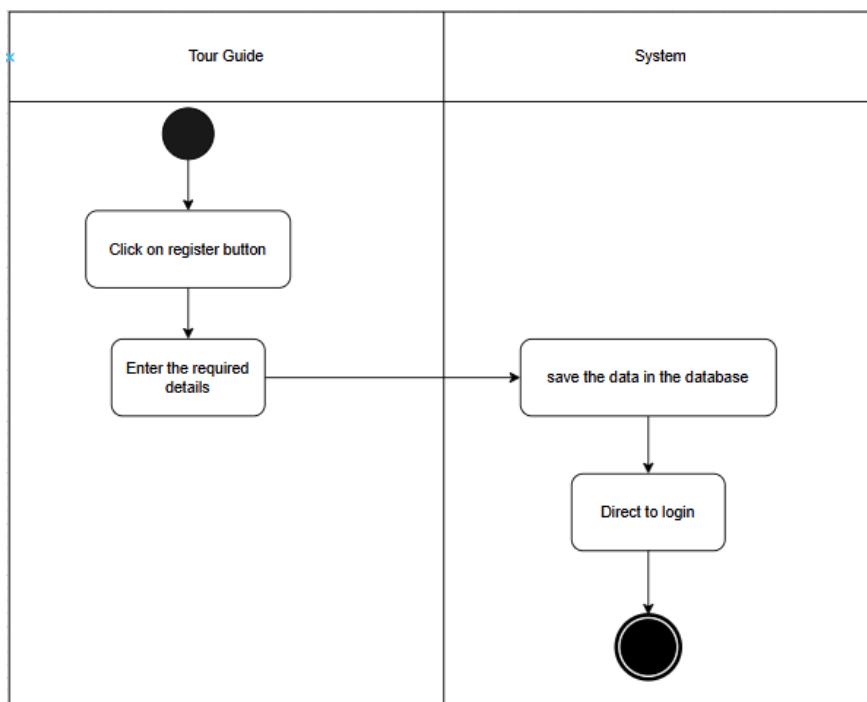


5.4.4 Tour Guide

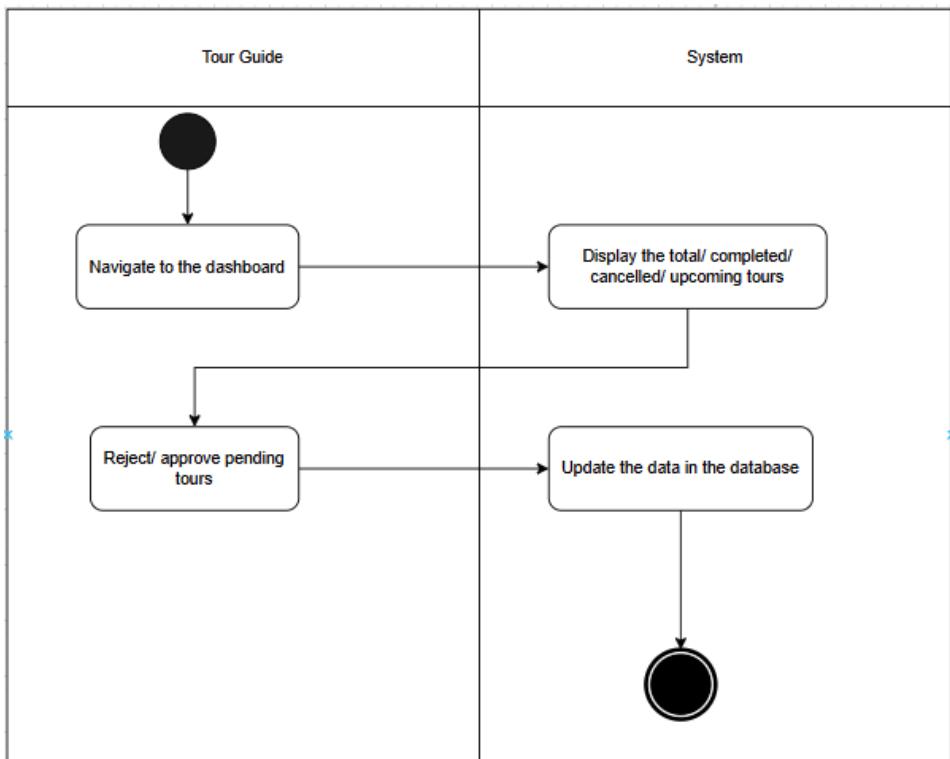
- Login



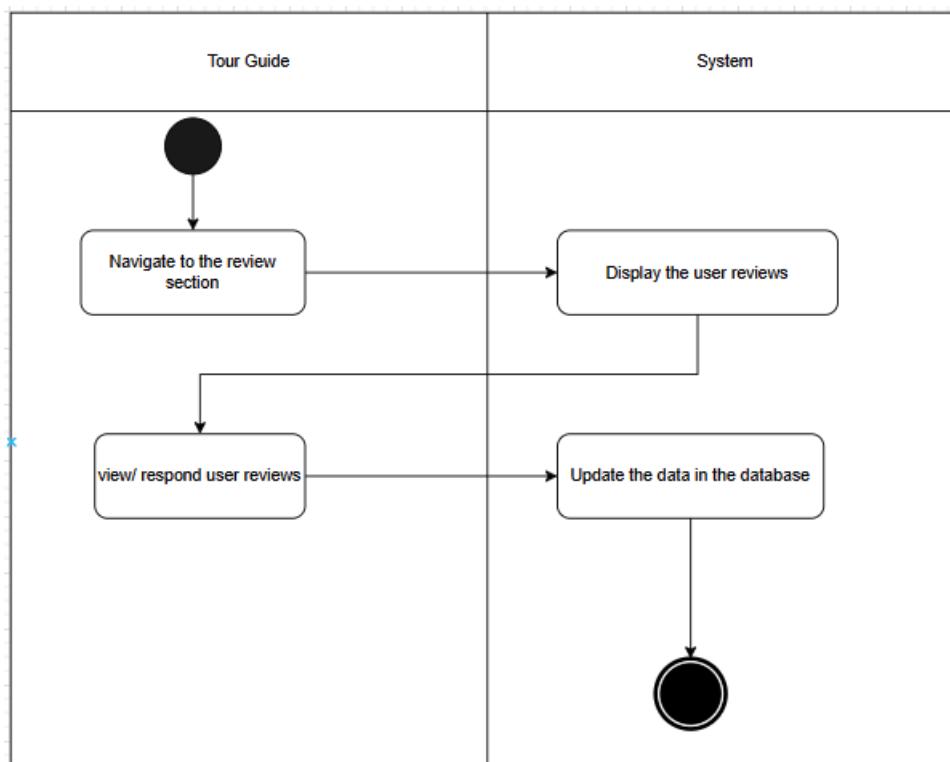
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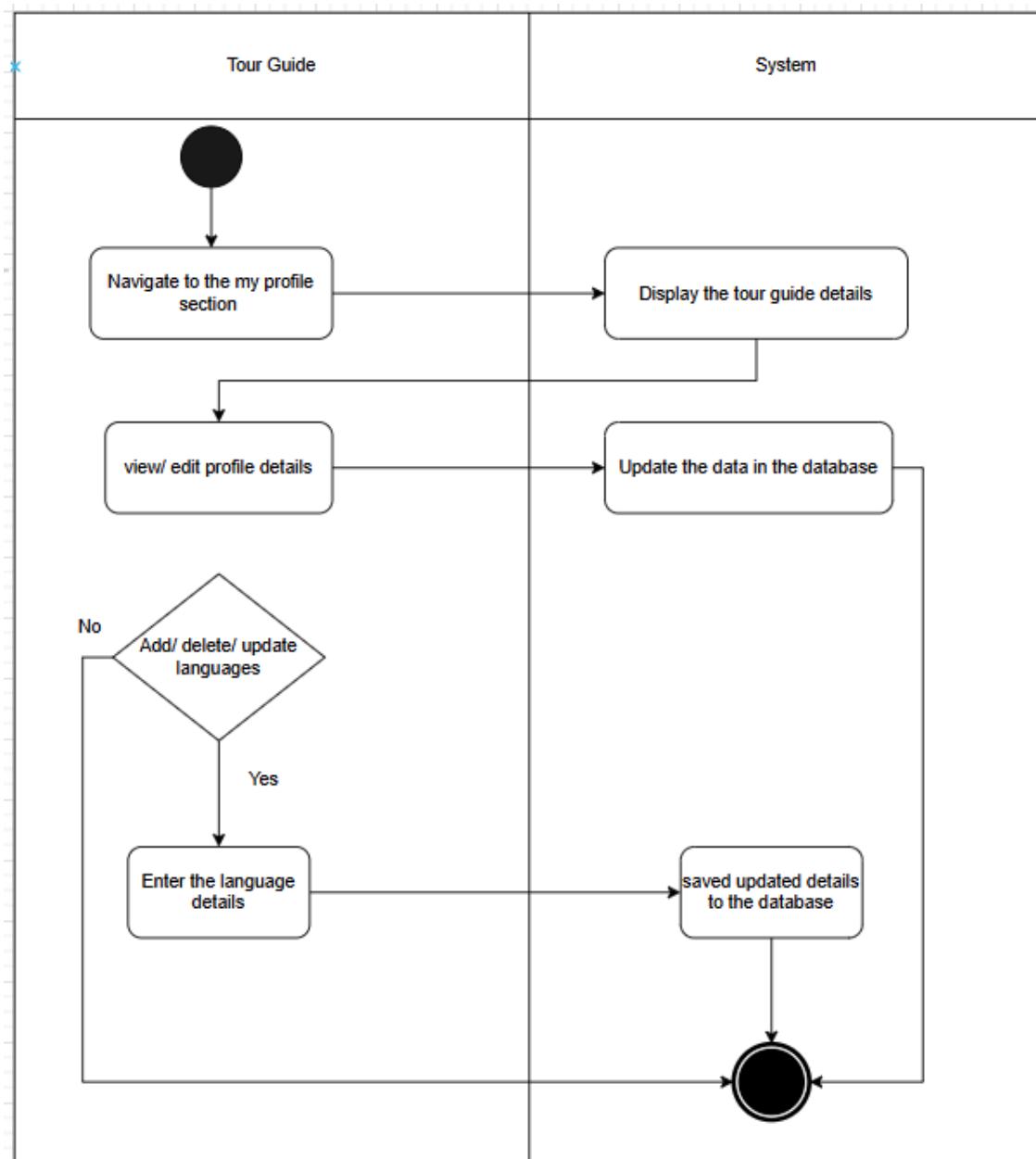
- **Tour Handling**



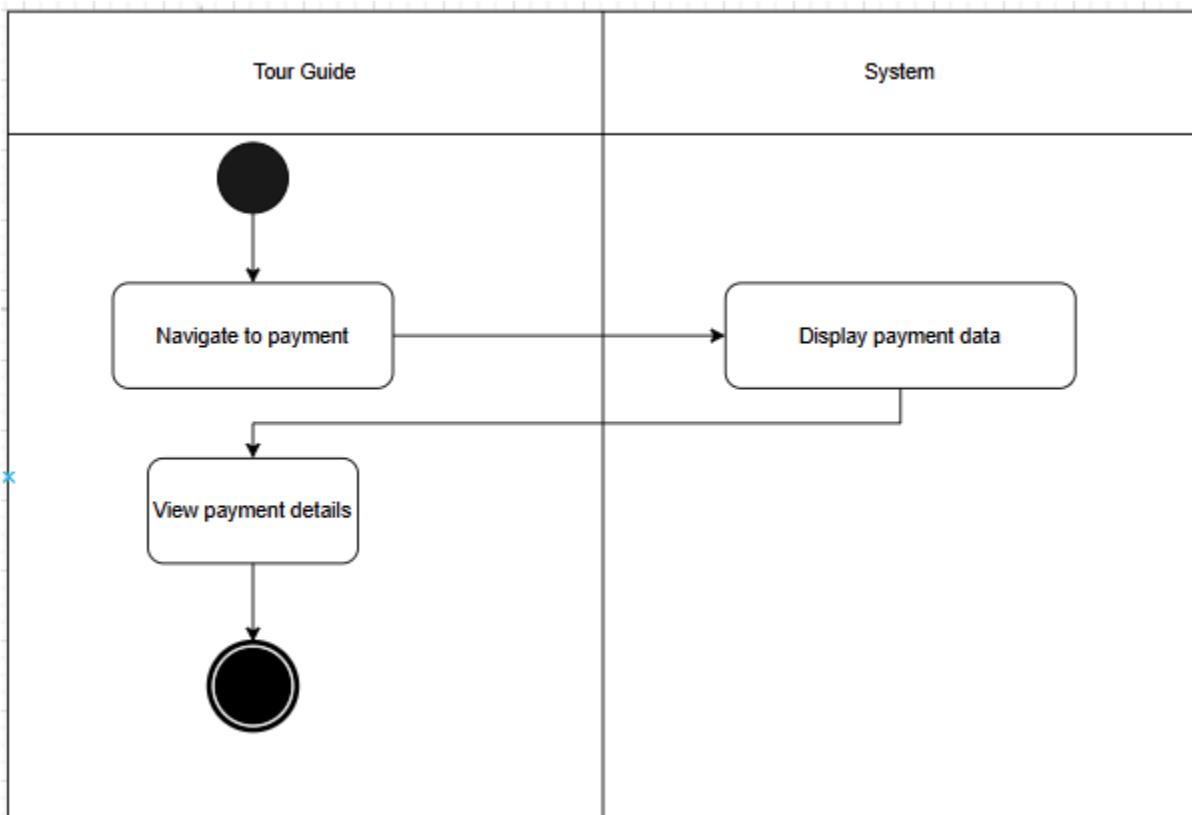
- **Review Management**



- **Profile Management**

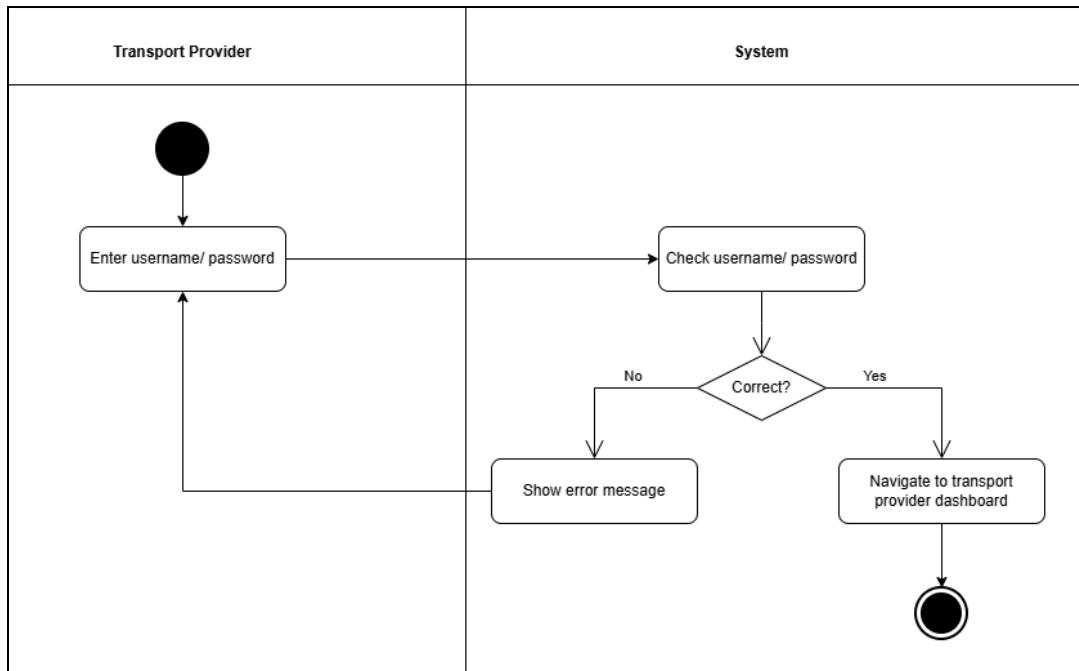


- Payment Management

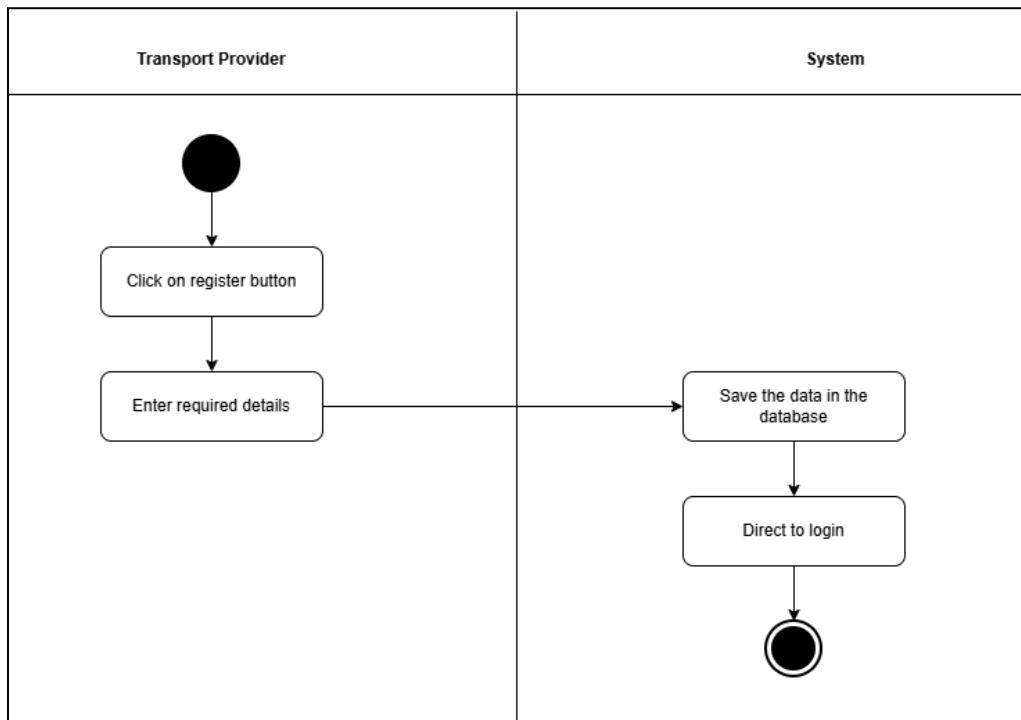


5.4.5 Transport Provider

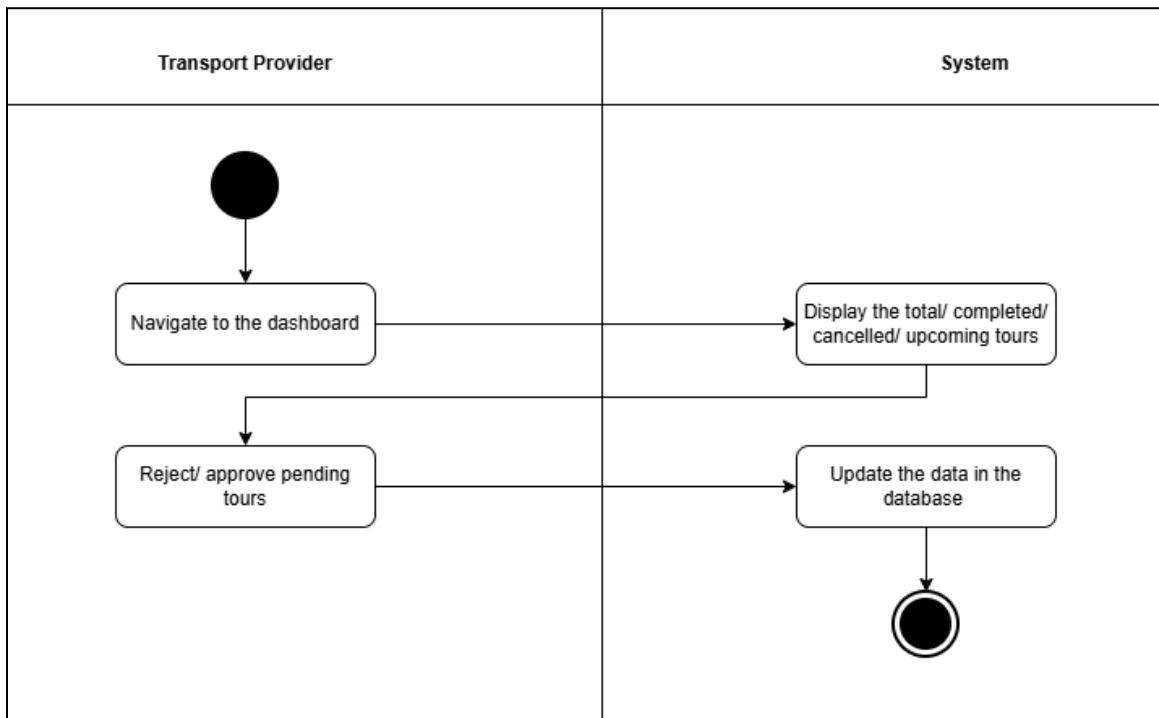
- Login



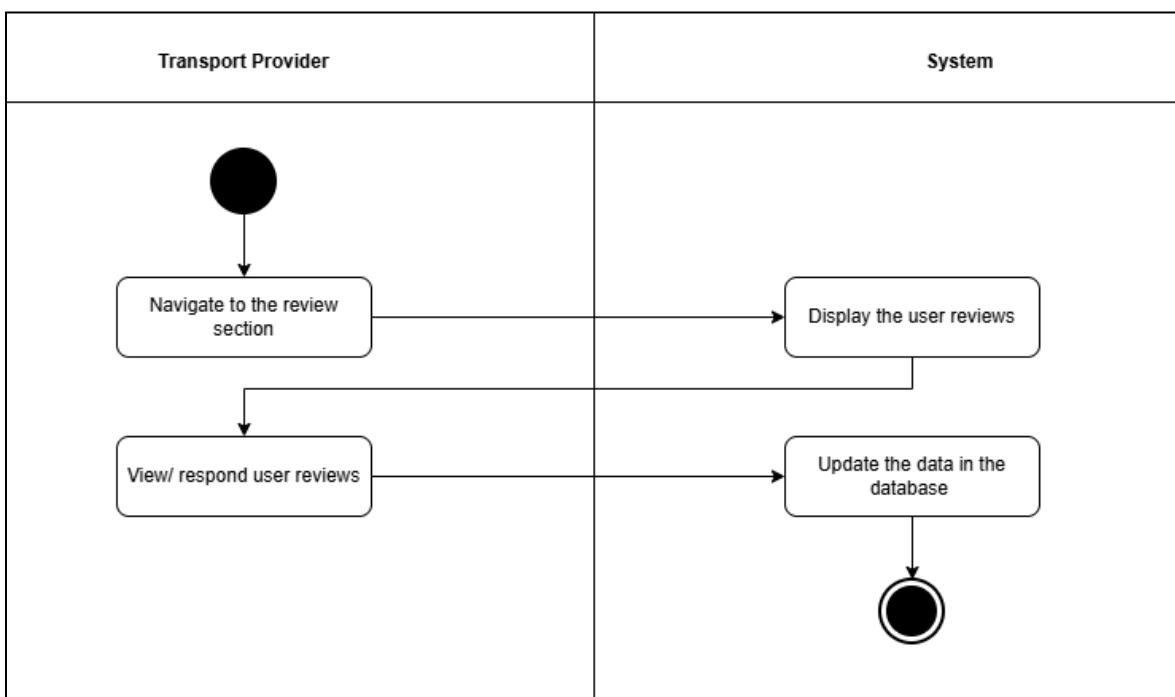
- Register



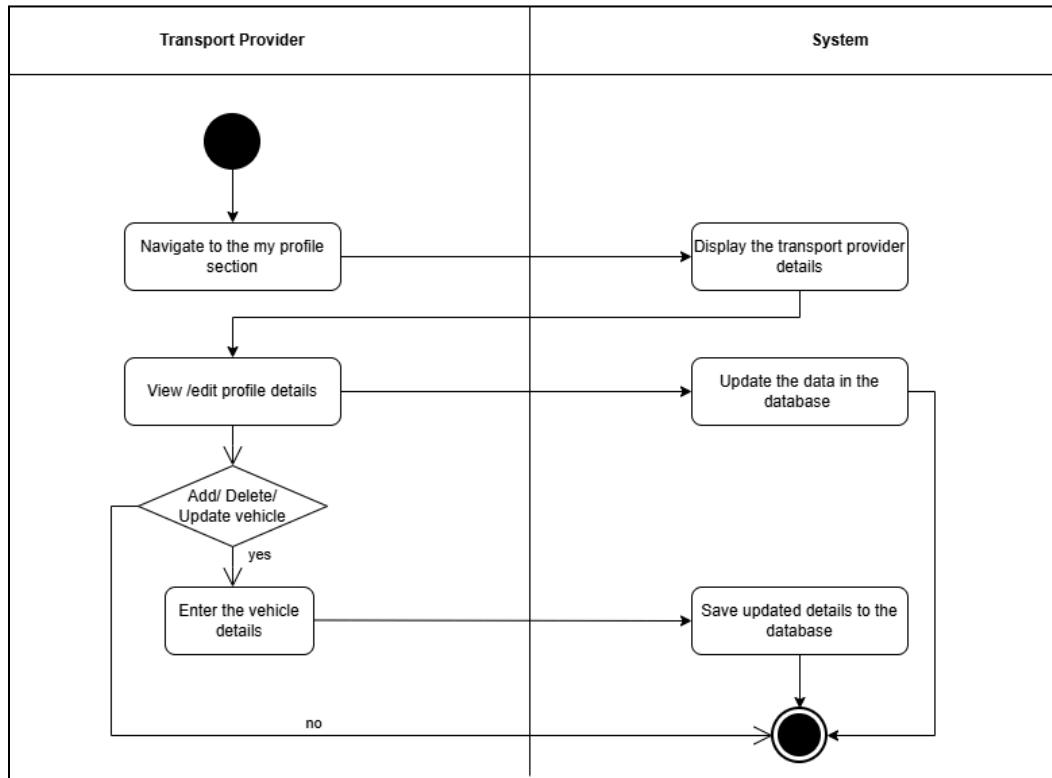
- **Tour Handling**



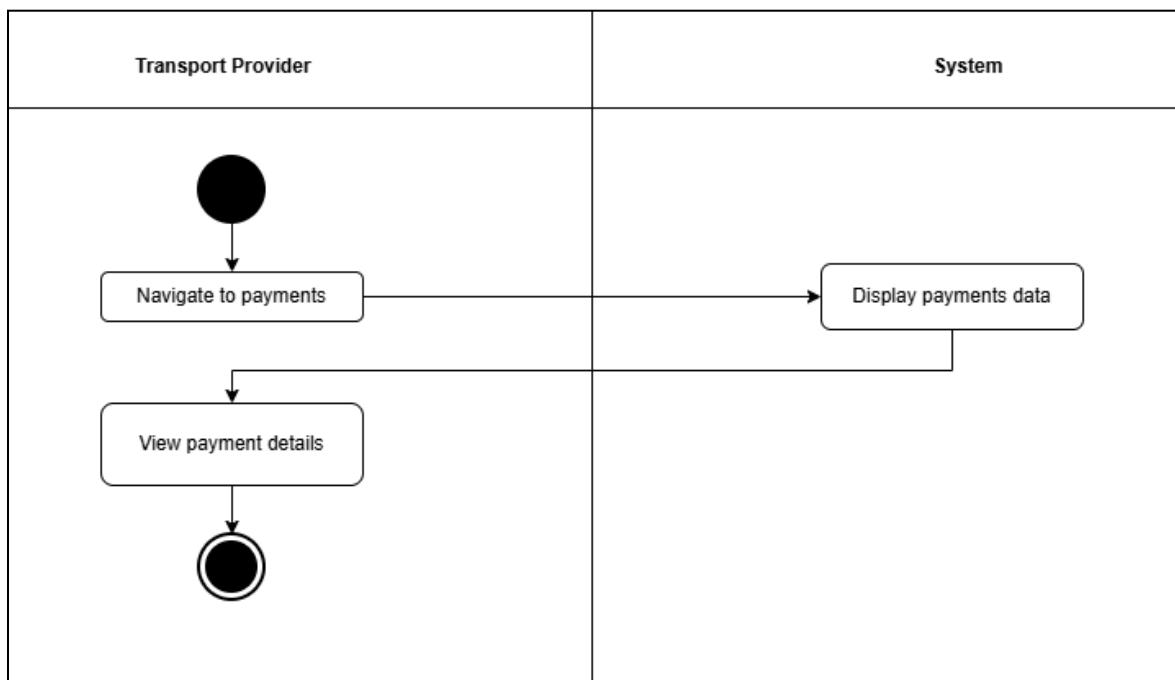
- **Review Management**



- **Profile Management**



- **Payment Management**



6. Current Progress

6.1 System Development Progress Considering the System Requirements

6.1.1 Front-end Development

Development of all the user interfaces of the website is 100% completed.

- **User Interface Design:** Every interface for the roles of Admin, Tourist, Hotel, Tour Guide, and Transport Provider has been effectively created. All modules offer a user-centered, consistent, and intuitive experience thanks to the comprehensive layouts.
- **User Authentication:** All users from all categories can now create accounts and safely access the system thanks to the complete implementation of the login and registration functionalities. This is a crucial stage in defining the fundamental features and access control of the system.
- **CRUD Functionalities:** Create, Read, Update, and Delete (CRUD) operations are now supported by every module. Each team member helped create a single CRUD operation associated with the user type they were assigned:
 - Admin: CRUD functions for profile management and user management.
 - Tourist: CRUD features for requesting a transport provider..
 - Hotel: CRUD features for adding a new room.
 - Transport Provider: CRUD functions for vehicle management.

6.1.2 System Modeling and Documentation

All user modules have comprehensive Use Case Diagrams, Activity Diagrams, Entity Relationship Diagrams (ERD), and Class Diagrams finished. Both design accuracy and consistent implementation are supported by these diagrams, which clearly depict the system's structure, data flow, and user interactions.

6.2 Percentage of the System Completed by now

Based on the system requirements and the progress made, 60% of the system is currently completed.

All user roles now have a fully developed front-end design, and each module's initial CRUD operations have been successfully implemented and tested, providing a solid basis for future feature expansion and system integration.

6.3 Remaining Tasks/ Work

CRUD Functionalities Completed: Complete the CRUD operations for all modules, including Admin, Tourist, Hotel, Tour Guide, and Transport Provider, making sure that every user role can effectively create, update, view, and delete data without errors or inconsistencies.

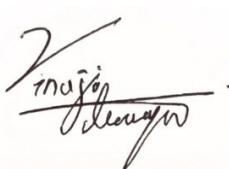
Backend Development and Optimization: To ensure safe and effective data handling, improve the backend integration. Include data validation mechanisms, bolster security protocols, and make sure that all applicable legal and ethical data protection standards are followed.

System Testing and Bug Fixing: Conduct extensive testing on every module to confirm user experience, performance, and functional accuracy. Prior to deployment, find and fix any problems or defects to guarantee the system runs smoothly and dependably.

6.4 Member Contribution

Member	Contribution
D.D.K. Dulanjani	<ul style="list-style-type: none"> ● Designed the wireframe designs of the transport provider functions. ● Create the use case diagram of the transport provider. ● Create the activity diagram for each function of the transport provider. ● Designed and implemented user interfaces (UIs) for the transport provider section. ● Created the tables of the database related to the transport provider functions. ● Implemented the CRUD operations for the add vehicle section of the transport provider. ● Designed UIs for Tour Guide Section.

	<ul style="list-style-type: none"> ● Prepared the introduction section for the interim report.
VD. Hewapathirana	<ul style="list-style-type: none"> ● Designed the wireframe designs of the admin functions. ● Created the use case diagram of admin. ● Created the activity diagrams for each function of the admin. ● Designed and implemented user interfaces (UIs) for the admin section. ● Created the tables of the database related to the admin functions. ● Implemented the CRUD operations for the user management section of admin. ● Designed UIs for Tour Guide Section. ● Prepared the feasibility study section for the interim report.
S.M.A.U.Samarasinghe	<ul style="list-style-type: none"> ● Designed the wireframe designs of the Hotel functions. ● Created the use case diagram of the Hotel. ● Created the activity diagrams for each function of the Hotel. ● Designed and implemented user interfaces (UIs) for the Hotel section. ● Created the tables of the database related to the Hotel functions. ● Implemented the CRUD operations for adding a new room in the hotel section. ● Designed UIs for Tour Guide Section. ● Prepared the proposed system's architecture section for the interim report.
V.R.N. Saubhagya	<ul style="list-style-type: none"> ● Designed the wireframe designs of the Tourist functions. ● Created the use case diagram of Tourist. ● Created the activity diagrams for each function of the Tourist. ● Designed and implemented user interfaces (UIs) for the Tourist section. ● Created the tables of the database related to the Tourist functions. ● Implemented the CRUD operations for requesting a transport provider by the main-end user(tourist). ● Designed UIs for Tour Guide Section. ● Prepared the requirements section for the interim report.

Index Number	Name of the student	Signature
23020212	D.D.K. Dulanjani	
23020369	V.D. Hewapathirana	
23020881	S.M.A.U.Samarasinghe	
23020921	V.R.N. Saubhagya	