COURSE: SOFTWARE ENGINEERING

SOFTWARE REQUIREMENT SPECIFICATION (SRS)

CityGuide - Comprehensive planner for tourists

Group Members:

1) **IIT2022002 - Sugam Sareen**
2) **IIT2022003 - Jatin Soni**
3) **IIT2022004 - Vatsal Ashvinbhai Bhuva**
4) **IIT2022014 - Arpit Gupta**
5) **IIT2022056 - Sweety Solanki**

Table of Contents

1. Introduction

1.1 Purpose

The overarching purpose of this meticulously crafted document is to provide a comprehensive roadmap and detailed requirements for the development of an innovative city tour guide website. Envisioned to be a multifaceted platform, the website aims to seamlessly cater to the diverse needs of travelers, offering them an enriched experience in finding accommodations, accessing tourism information, and actively engaging with the local community.

1.2 Document Conventions

In adhering to industry standards and best practices, this document meticulously follows established conventions for the documentation of software requirements. This commitment to conventions ensures clarity, consistency, and precision in the articulation of project specifications.

1.3 Intended Audience and Reading Suggestions

This extensive document is meticulously crafted to cater to a diverse audience, including developers, project managers, and stakeholders actively contributing to the development of the city tour guide website. To facilitate a holistic understanding, readers are encouraged to delve into all sections, focusing on the particulars directly relevant to their roles and responsibilities.

1.4 Product Scope

The city tour guide website sets out to be more than just a virtual compass; it aspires to be a comprehensive and user-centric platform. Its primary objectives encompass assisting users in locating accommodations tailored to their needs, providing detailed and up-to-date tourism information, and fostering a vibrant community engagement space. By seamlessly integrating these features, the website aims to emerge as an all-encompassing solution for both the meticulous planning and immersive experience of a city tour.

1.5 References

References to external sources and essential materials integral to the development process are not merely acknowledged but meticulously documented within this specification. This meticulous approach ensures transparency, traceability, and accountability throughout the entire lifecycle of the project.

2. Overall Description

2.1 Product Perspective

The website is designed as a self-contained platform that serves as a one-stop solution for individuals seeking information and services related to city tourism. It stands alone as a comprehensive resource, providing users with a range of functionalities to facilitate their travel planning and exploration experiences.

2.2 Product Functions

- Accommodation Recommendations: The website will analyze user preferences and provide tailored recommendations for accommodations, ensuring a personalized and satisfactory experience for travelers.
- Tourism Information: Detailed information about local tourist attractions, including descriptions, photos, reviews, and ratings, will be available to users to aid in their itinerary planning.
- Public Transportation Details: Users will have access to comprehensive information about public transportation options within the city, including routes, schedules, fares, and accessibility features.
- Testimonials: Locals can contribute testimonials sharing their experiences and recommendations about the city's attractions, providing authentic insights for prospective visitors.
- Blogging Area: A dedicated section will allow users to share their travel experiences, tips, and recommendations with the community, fostering engagement and collaboration among travelers.

2.3 User Classes and Characteristics

- Travelers: Individuals seeking information and assistance in planning their travel itineraries, including accommodation booking, attraction discovery, and transportation guidance.
- Locals: Residents of the city who can contribute valuable insights and recommendations based on their firsthand experiences, enriching the platform's content

and authenticity.

2.4 Operating Environment:

The website is accessible through standard web browsers on various devices, including desktop computers, laptops, tablets, and smartphones. Users can access the platform seamlessly regardless of their preferred device, ensuring widespread accessibility and convenience.

2.5 Design and Implementation Constraints

Constraints related to design, development, and implementation factors, such as time, budget, technology stack, and regulatory compliance, are taken into account during the project lifecycle to ensure successful execution and delivery of the website.

2.6 User Documentation

Comprehensive documentation will be provided to guide users in navigating and utilizing the website's features effectively. This documentation will include tutorials, FAQs, user guides, and tooltips to enhance user experience and facilitate ease of use.

2.7 Assumptions and Dependencies

Assumptions and dependencies relevant to the project, such as availability of external APIs, user engagement levels, technological infrastructure, and stakeholder cooperation, are identified and acknowledged. These factors may impact project planning, execution, and outcomes, and are thus carefully considered throughout the development process.

3. External Interface Requirements

3.1 Functional Requirements

3.1.1 Use Case 1

Name: User Authentication and Authorization
Summary: This feature enables users to create accounts, log in, and access personalized features such as saving preferences and bookings.
Actors: User, System
Pre-conditions:

- User has access to the website.
- User intends to access personalized features.

Main success scenario:

- User navigates to the website and selects the option to create an account.
- User fills in the required information (e.g., username, password, email).
- System validates the information and creates the user account.
- User logs in using the created credentials.
- System verifies the credentials and grants access to personalized features.

Extension:

- If the user enters invalid information during account creation, the system prompts for correction.

Post-condition:
The user is successfully authenticated and authorized to access personalized features on the website.

3.1.2 Use Case 2

Name: Integration with Google Maps API
Summary: This feature integrates the website with Google Maps API to fetch real-time data for tourist spots, public transportation routes, and other location-related information.
Actors: User, Google Maps API, System

Pre-conditions:

- User initiates a search for location-related information.

Main success scenario:

- User inputs a location query.
- System sends a request to the Google Maps API.
- Google Maps API retrieves real-time data for the specified location.
- System displays the relevant information (tourist spots, transportation routes, etc.) to the user.

Extension:

- If the Google Maps API is unavailable or encounters errors, the system notifies the user and suggests alternative actions.

Post-condition:

The user receives accurate location-related information fetched from the Google Maps API.

3.1.3 Use Case 3

Name: Notification System Implementation

Summary: This feature implements a notification system to keep users informed about updates, new blog posts, and special promotions related to their selected destinations.

Actors: User, System

Pre-conditions:

- User is logged in to the website.

Main success scenario:

- System identifies relevant updates, blog posts, or promotions based on user preferences and selected destinations.
- System sends notifications to the user through email or on-site alerts.
- User receives and views the notifications.

Extension:

- If the user opts out of receiving notifications, the system respects the preference and does not send notifications.

Post-condition:

The user stays informed about relevant updates, blog posts, and promotions related to their selected destinations.

3.1.4 Use Case 4

Name: Accessibility Features Implementation
Summary: This feature ensures the website is usable for individuals with disabilities, following web accessibility standards (e.g., WCAG guidelines).
Actors: User, System
Pre-conditions:

- User accesses the website.

Main success scenario:

- System implements accessibility features such as alternative text for images, keyboard navigation support, and screen reader compatibility.
- User with disabilities accesses and navigates the website using assistive technologies.

Extension:

- If accessibility issues are identified, the system addresses them promptly based on feedback from users or accessibility audits.

Post-condition:
The website is accessible and usable for individuals with disabilities according to web accessibility standards.

3.1.5 Use Case 5

Name: Payment Gateway Integration
Summary: This feature integrates a payment gateway to facilitate bookings directly through the website for accommodations and other paid services.
Actors: User, Payment Gateway, System
Pre-conditions:

- User intends to make a booking for accommodations or other paid services.

Main success scenario:

- User selects the desired accommodation or service and initiates the booking process.
- System redirects the user to the payment gateway for payment processing.

• User enters payment details and completes the transaction securely.
• Payment gateway confirms the transaction status to the system.
• System updates the booking status and provides confirmation to the user.

Extension:

• If the payment transaction fails, the system notifies the user and provides assistance in completing the transaction.

Post-condition:

The user successfully completes the payment transaction for bookings through the website.

3.1.6 Use Case 6

Name: Personalized Itineraries Creation
Summary: This feature allows users to create personalized itineraries, including saving favorite tourist spots, accommodations, and transportation routes.
Actors: User, System
Pre-conditions:

• User is logged in to the website.

Main success scenario:

• User navigates to the itinerary creation section.
• User selects tourist spots, accommodations, and transportation routes to include in the itinerary.
• System saves the selected items to the user's account.
• User can view, edit, and delete saved itineraries as needed.

Extension:

• If the user exceeds a limit on the number of items in the itinerary, the system provides guidance on managing the itinerary or upgrading the account.

Post-condition:

The user successfully creates and manages personalized itineraries on the website.

3.1.7 Use Case 7

Name: Rating and Review System Implementation

Summary: This feature implements a rating and review system for each tourist spot and accommodation, allowing users to contribute their opinions and experiences.
Actors: User, System
Pre-conditions:

- User is logged in to the website.

Main success scenario:

- User navigates to the rating and review section for a tourist spot or accommodation.
- User submits a rating (e.g., star rating) and optional review text based on their experience.
- System validates and records the rating and review.
- Other users can view and consider the ratings and reviews when making decisions.

Extension:

- If a user violates community guidelines with their review, the system moderates or removes the review as appropriate.

Post-condition:
Users contribute their opinions and experiences through ratings and reviews, enhancing the decision-making process for other users.

3.1.8 Use Case 8

Name: Backend System Management
Summary: This feature provides a robust backend system to manage and update the database of tourist spots, accommodations, public transportation data, and blog posts.
Actors: Administrator, System
Pre-conditions:

- Administrator has access to the backend system.

Main success scenario:

- Administrator accesses the backend system interface.
- Administrator performs database management tasks such as adding, updating, or deleting records.
- System ensures data integrity and consistency across all components of the website.

Extension:

• If system performance issues arise during database management tasks, the system notifies the administrator and provides troubleshooting options.
Post-condition:
The backend system effectively manages and updates the website's database to ensure accurate and up-to-date information for users.

3.1.9 Use Case 9

Name: Blogging Area Implementation
Summary: This feature provides a blogging area where users can read and contribute blog posts about their experiences in the city, helping other visitors gain insights into local culture, activities, and hidden gems.
Actors: User, System
Pre-conditions:
• User is logged in to the website.
Main success scenario:
• User navigates to the blogging area.
• User reads existing blog posts or decides to contribute a new one.
• User creates a new blog post, including text, images, and relevant details.
• System validates and publishes the blog post.
• Other users can read, comment on, and share the blog post.
Extension:
• If a blog post contains inappropriate content, the system moderates or removes it as per community guidelines.
Post-condition:
Users contribute to and benefit from a vibrant blogging community, sharing insights and experiences about the city.

3.1.10 Use Case 10

Name: Testimonials Section Implementation
Summary: This feature implements a testimonials section featuring reviews and recommendations from locals, providing an authentic and personal perspective on each tourist spot and locality.

Actors: User, System
Pre-conditions:

- User accesses the website.

Main success scenario:

- User navigates to the testimonials section.
- User reads testimonials from locals about various tourist spots and localities.
- System displays testimonials in an organized and accessible manner.
- User can filter testimonials based on criteria such as location, rating, or activity.

Extension:

- If the system detects fake or misleading testimonials, it removes them to maintain authenticity.

Post-condition:
Users gain valuable insights from authentic testimonials shared by locals, aiding in decision-making for their travel plans.

3.1.11 Use Case 11

Name: Comprehensive Search Functionality
Summary: This feature provides a comprehensive search functionality allowing users to filter accommodations, tourist spots, and transportation options based on various criteria such as ethnicity, rating, and distance.
Actors: User, System
Pre-conditions:

- User accesses the search feature.

Main success scenario:

- User inputs search criteria such as location, rating, or ethnicity.
- System retrieves and displays relevant results matching the search criteria.
- User can further refine the search results using filters and sorting options.

Extension:

- If no matching results are found, the system suggests alternative search criteria or prompts the user to broaden their search.

Post-condition:
Users efficiently find relevant accommodations, tourist spots, and transportation options based on their preferences and criteria.

(Continuing with the last requirement...)

3.1.12 Use Case 12

Name: Public Transportation Information Integration
Summary: This feature integrates public transportation information, including details on bus routes, subway lines, and other modes of transport to popular tourist spots in the city.
Actors: User, System
Pre-conditions:

- User accesses the website.

Main success scenario:

- User selects a destination or tourist spot.
- System retrieves and displays public transportation options to reach the selected destination.
- User views details such as bus routes, subway lines, and other available modes of transport.
- System provides real-time updates on transportation schedules and routes, if available.

Extension:

- If there are disruptions or changes in public transportation services, the system notifies the user and suggests alternative routes.

Post-condition:
Users have access to comprehensive public transportation information, facilitating their travel planning and navigation within the city.

3.1.13 Use Case 13

Name: Responsive Interface Implementation
Summary: This feature provides a user-friendly and responsive interface for both desktop and mobile devices, ensuring a seamless experience for users accessing the site from different devices.
Actors: User, System
Pre-conditions:

- User accesses the website from a device with internet connectivity.

Main success scenario:

• User accesses the website from a desktop or mobile device.

• System detects the device type and adjusts the interface layout and functionality accordingly.

• User interacts with the website seamlessly, with optimal viewing and navigation experiences.

Extension:

• If there are performance issues or compatibility issues with certain devices, the system addresses them promptly through updates or fixes.

Post-condition:

Users enjoy a consistent and user-friendly experience when accessing the website from desktop or mobile devices.

3.1.14 Use Case 14

Name: Integration with MakeMyTrip API and Other Booking Sites

Summary: This feature integrates with MakeMyTrip API and other booking sites to display accommodation options based on user preferences, ethnicity, and locality tourism ratings.

Actors: User, MakeMyTrip API, Other Booking Sites, System

Pre-conditions:

• User searches for accommodation options on the website.

Main success scenario:

• User inputs search criteria such as location, dates, and preferences.

• System sends requests to MakeMyTrip API and other booking sites for accommodation options matching the criteria.

• MakeMyTrip API and other booking sites retrieve and provide relevant accommodation listings to the system.

• System aggregates and displays the accommodation options to the user, including details such as prices, ratings, and availability.

Extension:

• If there are errors or delays in retrieving data from MakeMyTrip API or other booking sites, the system notifies the user and suggests alternative actions.

Post-condition:

Users have access to a wide range of accommodation options sourced from MakeMyTrip API and other booking sites, enhancing their choices and booking experience.

3.1.15 Use Case 15

Name: Integration with Social Media Platforms
Summary: This feature integrates with social media platforms to allow users to share their experiences and recommendations directly from the website.
Actors: User, Social Media Platforms, System
Pre-conditions:

- User accesses the website and wants to share content on social media.

Main success scenario:

- User interacts with content on the website, such as blog posts, tourist spot reviews, or itineraries.
- User selects the option to share the content on social media.
- System prompts the user to log in to their social media account (if not already logged in).
- User authorizes the sharing of content on the selected social media platform.
- System shares the content on the user's social media profile.

Extension:

- If there are issues with sharing content on social media platforms (e.g., API limitations, authentication errors), the system provides guidance or alternative sharing methods.

Post-condition:
Users can easily share their experiences and recommendations from the website to their social media networks, increasing visibility and engagement with the platform.

3.2 User Interfaces

The user interface (UI) of the website will be meticulously crafted to ensure an immersive and user-friendly experience. It will boast the following features:

- Intuitive Navigation: Clear and logically organized menus and navigation elements will guide users seamlessly through the website's features and content sections. This includes easily accessible links to key areas such as location recommendations, public transportation information, user-generated content, and account management.

- Engaging Visual Design: The UI will feature an aesthetically pleasing design with attention to detail in typography, color schemes, and imagery. Visual elements will be strategically used to enhance user engagement and convey information effectively.

- Responsive Design: Utilizing responsive design principles, the website will adapt gracefully to different screen sizes and devices, ensuring an optimal viewing experience for users accessing the site from desktops, laptops, tablets, and smartphones.

- Interactive Features: Interactive components such as dynamic maps, search bars, and filters will empower users to explore destinations, find relevant information, and plan their travel itineraries efficiently. User feedback mechanisms, such as ratings and reviews, will also be integrated to enhance user engagement and trust.

- Accessible Forms: User interaction forms, including those for account registration, login, and content submission, will be designed with accessibility in mind. Clear labeling, inline validation, and error messages will guide users through the form submission process and help prevent input errors.

3.3 Hardware Interfaces

The website will be accessible through a wide range of standard hardware devices commonly used for internet browsing, including:

- Desktop Computers and Laptops: Users can access the website using desktop computers and laptops running popular operating systems such as Windows, macOS, and Linux. The website will be optimized for compatibility with various web browsers, including Google Chrome, Mozilla Firefox, Safari, and Microsoft Edge.

- Mobile Devices: The responsive design of the website will ensure seamless accessibility on mobile devices such as smartphones and tablets running on iOS or

Android operating systems. Users can conveniently access the website on the go, leveraging the full functionality of the site's features and content.

3.4 Software Interfaces

The website will seamlessly integrate with external application programming interfaces (APIs) to enhance its functionality and access relevant data. These software interfaces include:

- Google Maps API: Integration with the Google Maps API will enable the website to provide robust mapping and location-based services. Users can explore destinations, view directions, and plan routes with real-time updates and accurate geospatial data.

- MakeMyTrip API and Other Booking Site APIs: Integration with APIs from MakeMyTrip and other booking sites will facilitate access to a wide range of travel-related information, including accommodation options, transportation services, and activity bookings. Users can conveniently browse and book travel arrangements directly through the website.

- Social Media APIs: Integration with social media APIs will enable seamless sharing of user-generated content, such as testimonials and blog posts, across various social platforms. Users can engage with the website's content and share their experiences with friends and followers, fostering community interaction and expanding the website's reach.

3.5 Communications Interfaces

The website will provide robust communication interfaces to facilitate user interaction and engagement. These interfaces include:

- Testimonials: Users can submit testimonials sharing their experiences and recommendations about destinations, accommodations, and attractions. These testimonials will be displayed prominently on the website, providing valuable insights and recommendations to fellow travelers.

- Blogging: Users can create and publish blog posts sharing travel stories, tips, and insights related to the city. The blogging platform will offer rich text editing capabilities, allowing users to create engaging and informative content with images, videos, and multimedia elements.

- Commenting: Users can engage in discussions by leaving comments on testimonials and blog posts, fostering community interaction and collaboration. The commenting feature will support threaded discussions, allowing users to reply to specific comments and engage in meaningful conversations.

These communication interfaces will enrich the user experience, encourage user-generated content creation, and foster a sense of community among website users.

4. System Features

4.1 Accommodation Recommendations

The system will utilize user preferences such as budget, location, amenities, and accommodation type (hotel, hostel, vacation rental, etc.) to recommend suitable lodging options. Recommendations will be generated based on a combination of user input and data analysis, considering factors like user ratings, reviews, and proximity to tourist attractions.

4.2 Tourism Information

The system will provide detailed information about local tourist attractions, including historical sites, landmarks, natural wonders, cultural events, and recreational activities. Each attraction will have its own page with descriptions, photos, visiting hours,

admission fees, contact information, and nearby amenities. Users can browse through categories or search for specific attractions.

4.3 Public Transportation Details

The system will offer information on various modes of public transportation available in the destination area, such as buses, trains, subways, trams, and ferries. Users can access schedules, routes, fares, and maps to plan their travel to and from tourist destinations. Integration with transportation APIs or databases will ensure up-to-date information.

4.4 Testimonials

Authentic testimonials from locals and previous travelers will be showcased to provide valuable insights and recommendations. Testimonials may include personal experiences, tips, and suggestions related to accommodations, attractions, transportation, dining, and overall travel experiences. Users can filter testimonials by criteria such as destination, category, and date.

4.5 Blogging Area

The system will feature a dedicated blogging area where users can share their travel experiences, tips, recommendations, and stories. Users can create blog posts with text, photos, and videos, and engage with other users through comments and likes. Moderation tools will be implemented to ensure the quality and relevance of content. Additionally, users can subscribe to their favorite bloggers or topics to stay updated on new posts.

4.6 Notification System

The notification system will keep users informed about updates, new blog posts, and special promotions relevant to their selected destinations. Users will have the option to subscribe to notifications based on their preferences, including specific destinations, categories of interest (accommodations, attractions, transportation, etc.), and frequency of updates.

Notifications can be delivered via email. The system will use personalized algorithms to tailor notifications to each user's preferences and behavior, ensuring relevant and timely updates. Users can also customize their notification settings, such as choosing to receive notifications only during certain times of the day or for specific types of updates.

4.7 Integration with Payment Gateway

The system will be integrated with a secure payment gateway to facilitate bookings directly through the website for accommodations and other paid services. Users will be able to make reservations and payments seamlessly within the platform, eliminating the need for third-party booking sites or manual transactions.

The payment gateway integration will support various payment methods, including credit/debit cards, digital wallets, and other online payment options, ensuring convenience and flexibility for users. Robust encryption and security protocols will be implemented to safeguard users' financial information and transactions

4.8 Personalized Itineraries

The system will offer users the ability to create personalized itineraries tailored to their preferences and travel plans. Users can easily design their own custom itineraries by selecting favorite tourist spots, accommodations, and transportation routes from the platform's database.

Key Features:

Customizable Itinerary Creation: Users can create personalized itineraries by selecting destinations, attractions, accommodations, and transportation options. They can specify dates, times, and durations for each activity or stop on their itinerary.

Saved Favorites: Users can save their favorite tourist spots, accommodations, and transportation routes to easily include them in their itineraries. The system will provide a convenient way for users to manage and organize their saved favorites.

Drag-and-Drop Interface: The system will offer a user-friendly drag-and-drop interface for building and editing itineraries. Users can easily rearrange the order of activities, add new stops, or remove existing ones.

Integration with Recommendations: The system will integrate with the recommendation features to suggest relevant tourist spots, accommodations, and transportation options based on user preferences and selected destinations.

Collaborative Itineraries: Users can share their itineraries with friends, family, or travel companions. They can also collaborate on building shared itineraries, allowing multiple users to contribute and edit the plan together.

Offline Access: Users can access their personalized itineraries offline through the mobile app, ensuring seamless navigation and reference even in areas with limited internet connectivity

5. Other Nonfunctional Requirements:

5.1 Performance Requirements

Fast Loading Times: The website should load quickly, ensuring that users can access information and services without significant delays. Optimizing assets such as images, scripts, and server response times will contribute to faster loading speeds.
Responsive Design: The website should be responsive across various devices and screen sizes, providing a consistent and user-friendly experience regardless of the

user's device. Utilizing responsive web design techniques, such as fluid grids and flexible images, will ensure that the website adapts seamlessly to different viewport sizes.

5.2 Safety Requirements

User Data Protection: Safety measures will be implemented to safeguard user data, including personal information and transaction details, from unauthorized access or misuse. This may involve encryption techniques, secure data storage protocols, and adherence to privacy regulations such as GDPR or CCPA.
Transaction Security: The website will employ secure protocols (e.g., HTTPS) and encryption methods (e.g., SSL/TLS) to ensure the security of online transactions, such as accommodation bookings or payments for services. Additionally, compliance with industry standards such as PCI DSS may be necessary for handling sensitive financial information.

5.3 Security Requirements

Secure Authentication: Strong authentication mechanisms, such as multi-factor authentication (MFA) or biometric authentication, will be implemented to verify user identities securely and prevent unauthorized access to user accounts.
Data Encryption: All sensitive data transmitted between the user's device and the website's servers will be encrypted using robust encryption algorithms, such as AES (Advanced Encryption Standard), to protect against interception and unauthorized access by malicious actors.

5.4 Software Quality Attributes

Reliability: The website should consistently perform as expected under varying conditions, minimizing downtime and errors. Rigorous testing procedures, including unit testing, integration testing, and stress testing, will be employed to ensure system reliability.

Robustness: The website should be resilient to errors, exceptions, and unexpected inputs, gracefully handling edge cases and recovering from failures without compromising user experience or data integrity.
Ease of Maintenance: The website's codebase and infrastructure will be designed and organized in a modular and maintainable manner, facilitating future updates, enhancements, and bug fixes by developers and administrators.

5.5 Business Rules

User Interaction Guidelines: Clear rules and guidelines will be established to govern user interactions and behavior on the website, ensuring a positive and productive user experience. This may include policies on content moderation, community guidelines, and acceptable use of website features.
Website Behavior Rules: Rules defining how the website functions and responds to user inputs will be defined to maintain consistency and coherence in user interactions. For example, rules governing the behavior of search filters, sorting options, and recommendation algorithms will be established to align with user expectations and preferences.

6. Other Requirements

This section will include any additional requirements not covered elsewhere in the document.

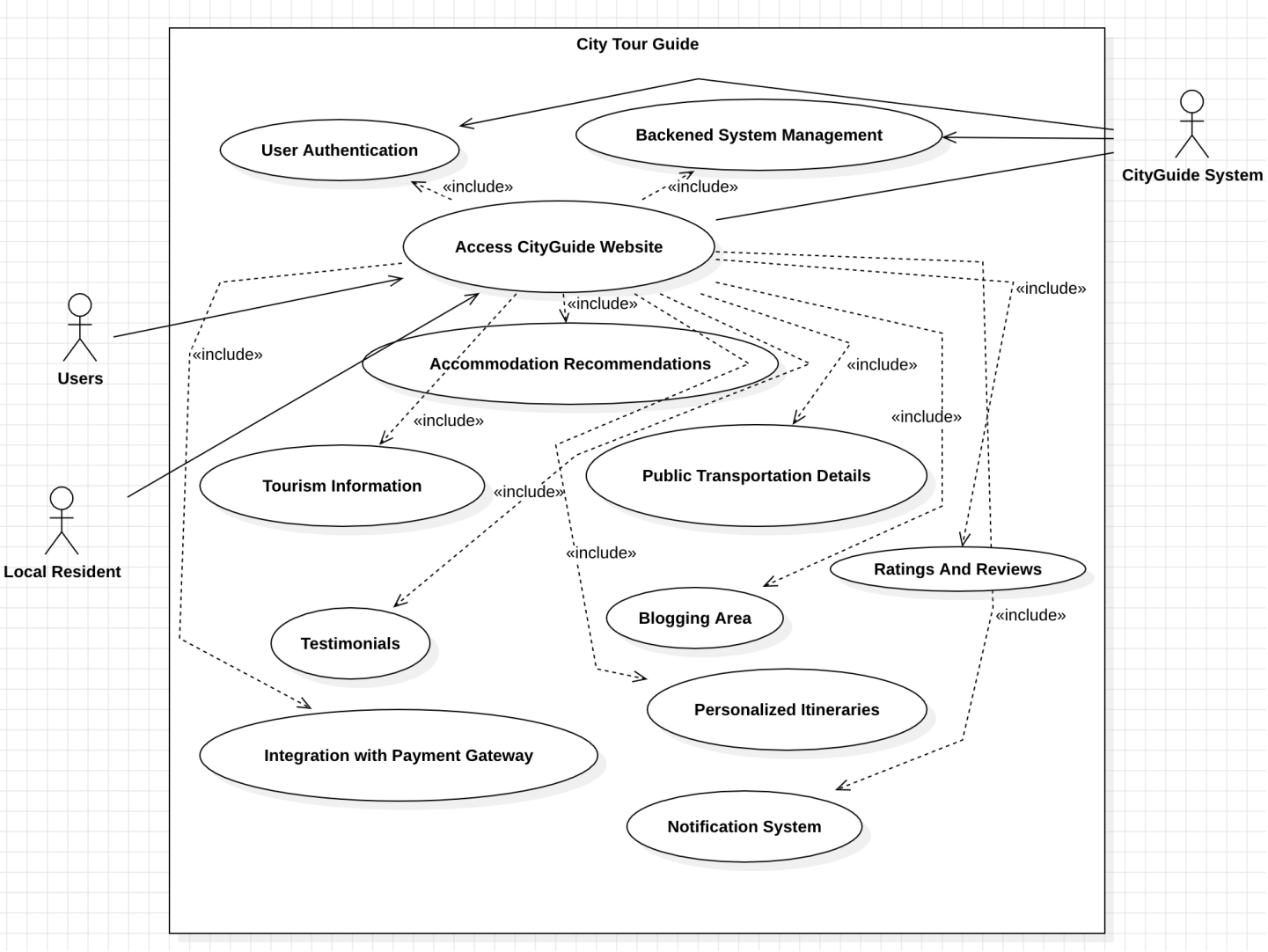
Appendix A: Glossary

1) User Authentication: The process of verifying the identity of a user, typically through the use of login credentials such as username and password.
2) Authorization: The process of granting or denying access to resources based on the user's identity and permissions.

3) Google Maps API: An application programming interface provided by Google that allows developers to integrate Google Maps functionality into their applications.
4) Notification System: A system that sends alerts or messages to users to inform them about updates, events, or other relevant information.
5) Accessibility Features: Design elements and functionalities implemented to ensure that websites and applications are usable by individuals with disabilities.
6) Payment Gateway: A service that facilitates online transactions by securely processing payment information between the user and the merchant.
7) Itinerary: A plan or schedule of activities, destinations, and accommodations for a trip or journey.
8) Rating and Review System: A feature that allows users to rate and provide feedback on products, services, or experiences.
9) Backend System: The part of a software application or website that handles data processing, storage, and management.
10) Blogging Area: A section of a website where users can create, read, and interact with blog posts.
11) Testimonials Section: A section of a website that showcases reviews and recommendations from users or customers.
12) Comprehensive Search Functionality: Advanced search capabilities that allow users to filter and sort search results based on various criteria.
13) Public Transportation Information: Information related to routes, schedules, and other details of public transportation services.
14) Responsive Interface: An interface design that adapts and responds to different screen sizes and devices for optimal user experience.
15) Integration with MakeMyTrip API: Incorporating functionality from the MakeMyTrip API, a travel booking platform, into the website.
16) Integration with Social Media Platforms: Connecting the website with social media networks to enable sharing and interaction.

Appendix B: Analysis Models

Models and diagrams illustrating system functionality and structure.



Appendix C: To Be Determined List

A list of items requiring further determination or clarification during the project development process.

During the project development process, there may be certain aspects that require further determination or clarification. These items are listed in the "To Be Determined" (TBD) list to ensure that they receive proper attention and resolution. The TBD list

serves as a repository for unresolved issues or decisions that need to be addressed by the project team.

Items included in the TBD list may vary depending on the project's complexity, scope, and stage of development. Examples of items that could be included in the TBD list are:

C.1 Specific implementation details for certain features or functionalities.

C.2 Technical requirements or constraints that need further analysis.

C.3 Integration points with external systems or APIs that require clarification.

C.4 Design decisions related to user interface elements or layout.

C.5 Legal or compliance considerations that need to be addressed.

C.6 Performance requirements or optimization strategies.

The TBD list serves as a reminder to revisit these unresolved items at appropriate times during the project lifecycle to ensure that they are addressed effectively. By maintaining a clear record of items requiring further determination or clarification, the project team can track progress, prioritize tasks, and minimize potential risks or uncertainties.