**Software Requirements Specification (SRS) Document for OZScanner Web Application**

**1. Introduction**

The "OZScanner" web application aims to simplify the process of exploring travel options for international students in Australia. By aggregating travel deals, discounts, and destination guides, the platform provides users with a user-friendly interface to plan their travels efficiently and affordably.

**2. Overview**

The purpose of the "OZScanner" web application is to provide international students with a comprehensive platform to explore affordable travel options across Australia. The platform aims to offer real-time travel deals, discounts, and detailed destination guides, catering to the specific needs of budget-conscious travellers.

**3. Target Audience**

The primary target audience for the "OZScanner" application includes:

* International students studying in Australia
* Budget-conscious travelers
* Travel enthusiasts seeking affordable options
* Individuals exploring Australia on a budget

**4. Purpose**

The primary objective of the "OZScanner" application is to provide international students with a user-centric platform to explore affordable travel options across Australia. By offering comprehensive travel deals, discounts, and destination guides, the software aims to enhance the travel experience for budget-conscious travellers.

**5. Intended Benefits for Users**

* Simplified process for exploring travel options
* Access to the best travel deals and discounts
* Detailed destination guides for informed travel decisions
* User-friendly interface for seamless navigation
* Enhanced affordability and convenience for international students

**6. Audience**

The target users/stakeholders who will interact with the "OZScanner" application include:

* International students studying in Australia
* Travel agencies and providers offering budget-friendly options
* Educational institutions supporting student travel programs
* Tourism organizations promoting budget-conscious travel in Australia

**7. Overall Description**

The "OZScanner" web application will offer a comprehensive solution for international students seeking affordable travel options in Australia. Key features will include:

* Aggregation of travel deals and discounts
* Detailed destination guides and recommendations
* User-friendly interface for easy navigation
* Integration with external APIs for real-time travel information

**8. Software Operation**

Upon accessing the "OZScanner" application, users will be presented with a search interface to explore travel options based on their preferences. The software will aggregate and display relevant travel deals, discounts, and destination guides, allowing users to plan their travels effectively.

**9. External Interfaces**

The "OZScanner" software will interact with various external interfaces, including:

* Travel deal APIs for aggregating discounts and offers
* Destination information APIs for providing detailed guides and recommendations
* Payment gateways for secure transactions

**10. System Features**

* Aggregation of travel deals and discounts
* Detailed destination guides and recommendations
* User-friendly interface for seamless navigation
* Integration with external APIs for real-time travel information
* Secure payment processing for bookings and reservations

**11. Use Cases**

**Use Case 1: Search for Travel Deals**

* Description: Users can search for available travel deals based on their preferences, including destination, travel dates, and budget constraints.
* Actors: User
* Preconditions: User is logged into the "OZScanner" platform.
* Main Flow:

1. User navigates to the search page.
2. User enters search criteria (destination, travel dates, budget).
3. System retrieves and displays relevant travel deals.
4. User selects a deal for more details or booking.

* Alternate Flows: None

**Use Case 2: View Destination Guides**

* Description: Users can access detailed destination guides to learn more about travel destinations, attractions, and local accommodations.
* Actors: User
* Preconditions: User is logged into the "OZScanner" platform.
* Main Flow:

1. User navigates to the destination guides section.
2. User selects a destination of interest.
3. System displays detailed information about the selected destination.
4. User explores the guide and relevant recommendations.

* Alternate Flows: None

**12. Non-functional Requirements**

* **Performance:** The software should provide fast response times for search queries and booking processes.
* **Security:** Data privacy and transaction security must be ensured to protect user information.
* **Reliability:** The application should maintain high uptime and availability to accommodate user demand.
* **Usability:** The user interface should be intuitive and easy to navigate for users of varying technical proficiency.

**13. Other Requirements**

* Compatibility with a wide range of devices and browsers
* Scalability to accommodate future growth in user base and travel options
* Compliance with relevant regulatory standards and industry guidelines
* Regular updates and maintenance to ensure optimal functionality and user satisfaction

This SRS document provides a detailed overview of the "OZScanner" web application, outlining its purpose, functionality, target audience, external interfaces, system features, non-functional requirements, and other essential considerations for successful development and deployment.