**Software Requirements Specification for Timeshare Exchange Platform**

**Version 4.0**

**Prepared for TimeshareExchange.com**

**Revision History**

| **Date** | **Version** | **Description** | **Author** | **Comments** |
| --- | --- | --- | --- | --- |
| 2024-03-21 | 4.0 | Adapted for Timeshare Exchange Platform | Phuoc Ha | Initial adaptation from Guru99 Banking Project SRS |

**Document Approval**

The following Software Requirements Specification has been accepted and approved by the following:

| **Printed Name** | **Title** | **Date** |
| --- | --- | --- |
| Phuoc Ha | Lead Software Engineer | 2024-03-21 |
| Phuoc Ha | Lead QA Engineer | 2024-03-21 |

**1. Introduction**

The Timeshare Exchange Platform aims to facilitate the exchange and rental of timeshare properties among users. It will offer a comprehensive solution for property owners to list their timeshares and for users to browse and request exchanges or rentals.

**1.1 Purpose**

This document outlines the requirements for the Timeshare Exchange Platform. It will guide the development and testing teams in creating a platform that meets the needs of timeshare owners and seekers.

**1.2 Scope**

The scope of this project includes the development of a web-based platform with functionalities for listing, searching, exchanging, and renting timeshares, as well as managing user accounts and transactions.

**1.3 Definitions, Acronyms, and Abbreviations**

* **Guest**: A user who can browse listings without posting.
* **Member**: A registered user who can post and request exchanges or rentals.
* **Admin**: A platform administrator with oversight and management capabilities.

**2. Specific Requirements**

**2.1 External Interface Requirements**

2.1.1 User Interfaces

The platform will feature a responsive web interface compatible with modern browsers, designed for ease of use across devices.

2.1.2 Hardware Interfaces

N/A

2.1.3 Software Interfaces

Integration with a payment gateway for secure transactions and an email service provider for notifications.

2.1.4 Communications Interfaces

Email notifications for account actions, exchange requests, and platform updates.

**2.2 System Features**

1. **Listing Management**: Allows members to list timeshares for exchange or rent, including photos and detailed descriptions.
2. **Search and Filtering**: Advanced search options to help users find timeshares that meet their criteria.
3. **Exchange and Rental Process Management**: Facilitates communication and agreement between members for exchanging or renting timeshares.
4. **Account Management**: For members to manage their listings, exchange requests, and personal information. Admins can manage user accounts and platform settings.
5. **Payment Processing**: Secure handling of listing fees and rental transactions.

**2.3 Non-Functional Requirements**

* **Security**: Robust security measures to protect user data and transactions.
* **Performance**: High responsiveness and minimal downtime.
* **Usability**: An intuitive and easy-to-navigate user interface.

**3. Other Non-Functional Requirements**

**3.1 Reliability**

The platform will ensure accuracy in listings and transactions, with backup and recovery processes in place.

**3.2 Scalability**

Designed to accommodate growth in user numbers and listings without degradation in performance.

**4. Appendix**

* **Glossary**: Definitions of key terms used in this document.
* **Change Management Process**: Outlines the process for managing changes to the SRS, requiring approvals from key stakeholders.