**Software Requirements Specification for Timeshare Exchange Platform**

**Version 2.0**

**Prepared for: TimeshareExchange.com**

**Revision History**

| **Date** | **Version** | **Description** | **Author** | **Comments** |
| --- | --- | --- | --- | --- |
| 2024-03-21 | 2.0 | Adaptation for Timeshare Exchange | Phuoc Ha | Initial adaptation based on 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 Developer | 2024-03-21 |
| Phuoc Ha | Lead QA Engineer | 2024-03-21 |

**1. Introduction**

**1.1 Purpose**

This document outlines the software requirements for the Timeshare Exchange Platform, aimed at facilitating the exchange and rental of timeshare properties.

**1.2 Scope**

The platform provides a marketplace for users to list, exchange, and rent timeshares, with features supporting these activities from listing to payment.

**1.3 Definitions, Acronyms, and Abbreviations**

* **Timeshare**: Property with a divided form of ownership or use rights.
* **Guest**: Can browse listings without posting.
* **Member**: Can list and exchange timeshares.
* **Admin**: Manages platform operations.

**2. Specific Requirements**

**2.1 External Interface Requirements**

2.1.1 User Interfaces

Responsive design supporting desktop and mobile access, with intuitive navigation for all user roles.

2.1.2 Hardware Interfaces

N/A

2.1.3 Software Interfaces

Integration with payment gateways, email services for notifications, and analytics tools for reporting.

2.1.4 Communications Interfaces

Email notifications for transaction updates, listings, and system messages.

**2.2 System Features**

1. **Listing Management**: Users can create, edit, and manage listings.
2. **Search and Filter**: Enhanced features for finding timeshares based on various criteria.
3. **Transaction Management**: Supports the exchange and rental processes, including negotiations and payments.
4. **User Account Management**: For Admins to manage user accounts and permissions.
5. **Reporting**: Dashboards and reports for Admins on platform usage, financials, and user activities.

**2.3 Performance Requirements**

The system must support simultaneous access by a large number of users, with fast response times for search and listing operations.

**2.4 Security Requirements**

Robust authentication and authorization for users, secure handling of payments and personal information, and compliance with data protection laws.

**3. Other Non-Functional Requirements**

**3.1 Reliability**

The platform must ensure high availability and data accuracy.

**3.2 Usability**

Designed for ease of use, catering to users with varying levels of technical proficiency.

**3.3 Scalability**

Capable of scaling to accommodate growth in users and listings.

**4. Appendix**

* **Glossary**
* **Acronyms**