

# Software Requirements Specification (SRS)

## Product: Real Estate Website

Version: 1.1

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### 1. Introduction

#### 1.1 Purpose

The purpose of this SRS document is to define the requirements for the development of "Dream Home Realty," a real estate website that aims to connect buyers and sellers of residential and commercial properties. The website will provide a user-friendly platform for property listing, searching, and transactions.

#### 1.2 Scope

This document covers the functional and non-functional requirements of the "Dream Home Realty" website, including but not limited to user registration, property listings, search functionality, booking systems, user profiles, and administrative tools for property management.

#### 1.3 Definitions, Acronyms, and Abbreviations

- **MLS:** Multiple Listing Service, a system used by real estate professionals to share property listings.
- **UI:** User Interface.
- **UX:** User Experience.
- **API:** Application Programming Interface.

#### 1.4 References

No external references are applicable to this document.

### 2. System Overview

#### 2.1 System Architecture

The "Dream Home Realty" website will adopt a three-tier architecture:

- **Presentation Layer (UI):** This layer will encompass the website's user interface, including property listing pages, search forms, user registration, and profiles.

- **Application Layer (Server and Business Logic):** This layer will house the server-side components and business logic responsible for user authentication, property listing management, search functionality, and transaction processing.
- **Data Layer (Database):** The database layer will store property data, user information, and transaction records.

## 2.2 Key Features

The "Dream Home Realty" website will offer the following key features:

- **User Registration and Authentication:** Users can register and log in to the platform, ensuring secure access to features like saving favorite properties and booking appointments.
- **Property Listings:** Property owners can list their properties for sale or rent, providing detailed information, images, and pricing.
- **Advanced Search and Filter Functionality:** Users can search for properties based on criteria such as location, property type, price range, and amenities.
- **Booking and Inquiry System:** Buyers can book property viewings or make inquiries, which property owners and real estate agents can respond to.
- **User Profiles:** Registered users can create and manage their profiles, save favorite properties, and view their transaction history.
- **Admin Panel:** Administrators can manage property listings, user accounts, and resolve disputes.

## 2.3 User Roles

The "Dream Home Realty" website defines the following user roles:

- **Guest:** Users who haven't registered or logged in. They can browse property listings but have limited functionality.
- **Registered User:** Users who have registered and logged in. They can access all features, including saving favorite properties and making inquiries.
- **Admin:** Users with administrative privileges. They have access to the admin panel for property and user management.

## 3. Functional Requirements

### 3.1 User Registration and Authentication

- **FR1:** Users can create accounts by providing essential information, including username, email, and password.
- **FR2:** Users can log in with valid credentials.
- **FR3:** Users can reset their passwords via email if forgotten.

- **FR4:** Registered users can update their profiles, including contact information and profile pictures.

### 3.2 Property Listings

- **FR5:** Property owners can create listings by providing property details, images, and pricing information.
- **FR6:** Property listings should include information such as property type, location, square footage, number of bedrooms, and amenities.
- **FR7:** Listings should be categorized as for sale or for rent.
- **FR8:** Listings should display the date of posting and the contact information of the property owner or agent.

### 3.3 Search and Filter Functionality

- **FR9:** Users can search for properties based on location, property type, price range, and other relevant criteria.
- **FR10:** Users can apply filters to refine search results.
- **FR11:** Search results should display property thumbnails and basic information.
- **FR12:** Users can view detailed information about a property by clicking on a search result.

### 3.4 Property Details

- **FR13:** Property detail pages should provide comprehensive information, including images, property specifications, and pricing.
- **FR14:** Users can schedule property viewings directly from the property detail page.
- **FR15:** Users can contact property owners or agents for inquiries.

### 3.5 Booking and Inquiry System

- **FR16:** Users can book property viewings for a specific date and time.
- **FR17:** Property owners or agents can respond to booking requests and confirm or suggest alternative dates.
- **FR18:** Users can inquire about properties by sending messages to property owners or agents.
- **FR19:** Users can view their booking and inquiry history in their user profiles.

### 3.6 User Profiles

- **FR20:** Registered users can save properties to their favorites list.
- **FR21:** Users can view and manage their saved properties.

- **FR22:** Users can view their transaction history, including past bookings and inquiries.

### 3.7 Admin Panel

- **FR23:** Administrators can access a secure admin panel.
- **FR24:** Admins can manage user accounts, including adding, editing, or deleting users.
- **FR25:** Admins can manage property listings, including adding, editing, or removing listings.
- **FR26:** Admins can resolve disputes and complaints submitted by users.

## 4. Non-Functional Requirements

### 4.1 Performance

- **NFR1:** The website should load within 3 seconds for optimal user experience.
- **NFR2:** The system should support concurrent user sessions without degradation in performance.

### 4.2 Security

- **NFR3:** User data should be stored securely, including encrypted passwords.
- **NFR4:** Authentication should follow industry-standard security practices.
- **NFR5:** The system should have security measures in place to prevent unauthorized access and data breaches.

### 4.3 Usability

- **NFR6:** The user interface should be intuitive and user-friendly.
- **NFR7:** The website should be responsive and compatible with major web browsers.

### 4.4 Scalability

- **NFR8:** The system should be designed to accommodate a growing number of users and property listings.
- **NFR9:** Scalability should be ensured through proper database optimization and server infrastructure.

### 4.5 Availability

- **NFR10:** The website should have an uptime of at least 99% to ensure availability.
- **NFR11:** Regular maintenance and updates should be performed during non-peak hour

## 5. System Constraints

### 5.1 Technology Stack

- **SC1:** The website will be built using modern web technologies, including HTML5, CSS3, JavaScript, and a backend framework such as Ruby on Rails, Django, or Node.js.
- **SC2:** The database system will use MySQL to store property and user data.
- **SC3:** The website will be hosted on a reliable cloud infrastructure such as AWS or Azure.

## 5.2 Third-party Integrations

- **SC4:** Integration with a payment gateway for processing property booking payments.
- **SC5:** Integration with a geolocation service to display property locations accurately on maps.
- **SC6:** Integration with social media platforms for sharing property listings.

## 5.3 Legal and Regulatory Requirements

- **SC7:** Compliance with data protection laws such as GDPR and CCPA.
- **SC8:** Implementation of security measures to protect against fraudulent listings and transactions.

# 6. Data Requirements

## 6.1 Database Schema

- **DR1:** Define the database schema to store user profiles, property listings, booking records, and inquiries.
- **DR2:** Specify relationships between database tables, such as users linked to their saved properties.

## 6.2 Data Security and Privacy

- **DR3:** User data, including passwords, should be securely hashed and stored.
- **DR4:** Define data retention policies and data purging mechanisms in compliance with privacy regulations.

# 7. User Interface Design

## 7.1 Mockups and Wireframes

- **UID1:** Provide wireframes and mockups for key pages, including the homepage, property listing pages, user profiles, and admin panel.
- **UID2:** Ensure a responsive design that adapts to various screen sizes and devices.

## 7.2 User Experience (UX) Guidelines

- **UID3:** Implement best practices for user experience, including intuitive navigation, clear calls to action, and accessibility considerations.

## 8. Testing Requirements

### 8.1 Test Plan

- **TR1:** Develop a comprehensive test plan that covers functional testing, usability testing, security testing, and performance testing.
- **TR2:** Specify test scenarios for each functional requirement, including edge cases and boundary conditions.

### 8.2 Test Scenarios

- **TR3:** Provide detailed test scenarios, test cases, and expected outcomes for critical user flows, such as user registration, property listing, and booking processes.

## 9. Maintenance and Support

### 9.1 Ongoing Maintenance

- **MS1:** Outline a maintenance plan for regular updates, bug fixes, and feature enhancements.
- **MS2:** Define a process for monitoring and addressing user-reported issues.

### 9.2 Support and Issue Tracking

- **MS3:** Set up a support system for users to report problems and seek assistance.
- **MS4:** Implement issue tracking and resolution procedures for the development team.

## 10. Documentation

### 10.1 User Documentation

- **D1:** Provide user guides and documentation explaining how to use the website's features, including user registration, property listing, and inquiry processes.

### 10.2 Technical Documentation

- **D2:** Create technical documentation for developers, including API documentation, database schema, and system architecture details.

## 11. Glossary

- Include a glossary of terms and acronyms used throughout the document for reference.

## 12. Appendices

### 12.1 Use Case Diagrams

- Include use case diagrams illustrating the interactions between users and the system.

### 12.2 Entity Relationship Diagram (ERD)

- Provide an ERD to visualize the database structure and relationships.

### 12.3 API Documentation

- Detail the APIs used for third-party integrations and data exchange.

## 13. Change Log

- Maintain a change log to track revisions and updates to the SRS.

## 14. Security Requirements

### 14.1 Data Security

- **SR1:** User data, including personal information and login credentials, must be encrypted both in transit and at rest using industry-standard encryption algorithms.
- **SR2:** Implement role-based access control (RBAC) to ensure that only authorized users can access sensitive areas of the website.
- **SR3:** Implement secure coding practices to prevent common security vulnerabilities, such as SQL injection and cross-site scripting (XSS).

### 14.2 Payment Security

- **SR4:** Payment processing must comply with Payment Card Industry Data Security Standard (PCI DSS) requirements.
- **SR5:** Ensure that sensitive payment data is not stored on the website's servers.

## 15. Compliance Requirements

### 15.1 Legal Compliance

- **CR1:** Comply with relevant real estate laws and regulations in the target operating regions.
- **CR2:** Implement features to capture and store consent for data processing and user agreements where required by law (e.g., GDPR, CCPA).

### 15.2 Accessibility

- **CR3:** Ensure that the website complies with accessibility standards, such as the Web Content Accessibility Guidelines (WCAG) 2.0, to provide equal access to users with disabilities.

## 16. Performance Requirements

### 16.1 Response Time

- **PR1:** The website should load within 2 seconds for optimal user experience.
- **PR2:** Property search results should be returned in less than 1 second.

### 16.2 Scalability

- **PR3:** The system should be able to handle a minimum of 10,000 concurrent users without performance degradation.
- **PR4:** Implement caching mechanisms to reduce server load and improve response times.

## **17. User Acceptance Testing (UAT)**

- **UAT1:** Plan and execute user acceptance testing with representative users to validate that the website meets user expectations and business requirements.

## **18. Maintenance and Support**

### **18.1 Bug Tracking**

- **MS5:** Implement a bug tracking system to capture and prioritize reported issues.
- **MS6:** Define processes for bug resolution and post-release patches.

### **18.2 Software Updates**

- **MS7:** Develop a strategy for rolling out updates and new features, including version control and release notes.

## **19. Documentation**

### **19.1 Training Materials**

- **D3:** Provide training materials for administrators to manage the website effectively.
- **D4:** Develop documentation for users on how to perform common tasks.

## **20. Change Control**

- **CC1:** Establish a change control process to manage changes to the requirements, including how changes are proposed, evaluated, and implemented.

## **21. Review and Approval**

- **RA1:** Ensure that this SRS document is reviewed and approved by relevant stakeholders before development begins.

## **23. Training and Onboarding**

### **23.1 User Training**

- **TO1:** Provide training materials and resources for users to understand how to use the website effectively.
- **TO2:** Offer onboarding sessions or tutorials for new users to get started.

### **23.2 Admin Training**

- **TO3:** Train administrators on how to manage property listings, user accounts, and resolve disputes using the admin panel.



- **TO4:** Provide documentation for administrators on common administrative tasks.

## **24. Rollout Plan**

- **RP1:** Develop a rollout plan outlining the deployment strategy, including a timeline, milestones, and responsibilities.
- **RP2:** Specify how the website will be transitioned from development to production, including testing and quality assurance procedures.

## **25. Contingency Plan**

- **CP1:** Create a contingency plan to address potential disruptions, including server failures, data breaches, or other emergencies.
- **CP2:** Define backup and recovery procedures to minimize data loss and downtime.

## **27. User Feedback and Continuous Improvement**

- **UF1:** Establish mechanisms for collecting user feedback, such as surveys, feedback forms, or customer support channels.
- **UF2:** Regularly review and analyze user feedback to identify areas for improvement and prioritize enhancements.

## **28. Change Management**

- **CM1:** Implement a formal change management process to track and document all changes to the website, including updates, bug fixes, and new features.
- **CM2:** Ensure that all changes are communicated to relevant stakeholders and documented in the change log.

## **30. Risk Assessment and Mitigation**

### **30.1 Risk Identification**

- **RM1:** Identify potential risks and challenges associated with the development and operation of the real estate website.
- **RM2:** Categorize risks as technical, operational, or business-related.

### **30.2 Risk Mitigation**

- **RM3:** Develop a risk mitigation plan that outlines strategies and actions to address identified risks.
- **RM4:** Assign responsibilities for risk management and establish risk thresholds.

## **31. Quality Assurance and Testing**

### **31.1 Testing Environments**

- **QA1:** Set up separate testing environments (e.g., development, staging, production) to facilitate controlled testing and deployment.

### 31.2 Test Data Management

- **QA2:** Define procedures for managing test data, including data anonymization and ensuring the privacy of sensitive information.

### 31.3 Regression Testing

- **QA3:** Establish a process for conducting regression testing after each software update to ensure that new features do not adversely impact existing functionality.

## 32. Performance Monitoring and Optimization

### 32.1 Monitoring

- **PM1:** Implement performance monitoring tools to continuously track website response times, server health, and resource utilization.

### 32.2 Optimization

- **PM2:** Regularly analyze performance data and take corrective actions, such as optimizing database queries or scaling infrastructure, to maintain optimal website performance.

## 33. Disaster Recovery and Business Continuity

### 33.1 Backup and Restore

- **DR1:** Define backup schedules and procedures to ensure that data can be recovered in the event of data loss.

### 33.2 Disaster Recovery Plan

- **DR2:** Develop a disaster recovery plan outlining steps to recover the website and services in the event of a catastrophic failure.

## 34. User Support

### 34.1 Help Desk

- **US1:** Establish a help desk or customer support system to assist users with inquiries, issues, and technical support.

### 34.2 Knowledge Base

- **US2:** Create a knowledge base or FAQ section on the website to address common user questions and provide self-help resources.

## 35. Project Closeout

### 35.1 Documentation Review

- **PC1:** Review and update all project documentation, including the SRS, user manuals, and technical documentation.

### 35.2 Lessons Learned

- **PC2:** Conduct a project retrospective to identify lessons learned and areas for improvement in future projects.

### **36. Sign-off and Approval**

- **SA1:** Obtain final sign-off and approval from all stakeholders, including project sponsors, before proceeding with development, testing, and deployment.

### **37. Implementation Plan**

#### **37.1 Development Phases**

- **IP1:** Define development phases, milestones, and timelines, including design, development, testing, and deployment.

#### **37.2 Resource Allocation**

- **IP2:** Specify the allocation of resources, including developers, designers, testers, and project managers, for each development phase.

### **38. System Integration**

#### **38.1 Third-party Integration**

- **SI1:** Detail how third-party services (e.g., payment gateways, mapping services) will be integrated into the website.
- **SI2:** Ensure that APIs and integration points are documented and tested for functionality and security.

### **39. User Training and Documentation**

#### **39.1 User Training**

- **UT1:** Develop a comprehensive user training program, including online tutorials, videos, and user guides.
- **UT2:** Schedule and conduct training sessions for users to become familiar with the website.

#### **39.2 Help Resources**

- **UT3:** Create a help center with readily accessible resources to assist users in navigating and utilizing the website's features.

### **40. User Acceptance Testing (UAT)**

#### **40.1 UAT Test Cases**

- **UAT2:** Define a detailed set of user acceptance test cases, including expected outcomes and pass/fail criteria.
- **UAT3:** Specify the criteria for UAT success, such as a minimum acceptance rate for test cases.

## **41. User Feedback and Improvement**

### **41.1 Feedback Collection**

- **UF3:** Implement feedback collection mechanisms, such as surveys and feedback forms, to gather user insights on usability and functionality.
- **UF4:** Provide clear channels for users to report issues and suggest improvements.

### **41.2 Continuous Improvement**

- **UF5:** Establish a process for reviewing and prioritizing user feedback for continuous website improvement.
- **UF6:** Regularly release updates and enhancements based on user feedback and needs.

## **42. Final Review and Approval**

- **FR2:** Conduct a final review of the entire SRS document to ensure that all requirements, dependencies, and constraints are accurately documented.
- **FR3:** Obtain final approval and sign-off from all relevant stakeholders, including the project sponsor, business owners, and technical leads.

## **45. Post-Launch Monitoring**

### **45.1 Performance Monitoring**

- **PL1:** Describe how performance metrics, such as response times, resource utilization, and error rates, will be continuously monitored in the production environment.

### **45.2 Error Handling and Monitoring**

- **PL2:** Explain how errors, exceptions, and issues will be logged, monitored, and reported in real-time to ensure rapid issue resolution.

## **46. User Data Management**

### **46.1 Data Privacy**

- **UD1:** Elaborate on how user data will be collected, processed, and protected in compliance with applicable data protection laws.

### **46.2 Data Retention**

- **UD2:** Define data retention policies, specifying how long user data will be stored and when it will be deleted or anonymized.

## **50. Version Control and Release Management**

### **50.1 Version Control System**

- **VC1:** Specify the version control system (e.g., Git) and branching strategy to manage code changes, versioning, and collaboration among developers.

## 50.2 Release Management

- **VC2:** Outline the procedures for planning and executing software releases, including versioning, release notes, and rollback strategies.

## 51. Compliance and Legal Documentation

### 51.1 Compliance Reports

- **CL1:** Explain how compliance reports and audit trails will be generated and maintained to demonstrate adherence to legal and regulatory requirements.

### 51.2 Legal Documentation

- **CL2:** Ensure that all necessary legal documents, including user agreements, terms of service, and disclaimers, are readily accessible to users.

## 53. Third-party Services

### 53.1 External APIs

- **TP1:** Specify any external APIs used for services like geolocation, mapping, or property data aggregation.
- **TP2:** Document the API endpoints, authentication methods, and usage limitations.

## 54. Data Backup and Recovery

### 54.1 Backup Strategy

- **DBR1:** Describe the backup strategy for critical data, including frequency, storage location, and retention policies.
- **DBR2:** Specify how backups will be tested for data integrity and restoration procedures.

### 54.2 Disaster Recovery (Continued)

- **DBR3:** Detail disaster recovery procedures, including failover mechanisms, data replication, and steps to resume operations in case of a catastrophic event.

## 55. Mobile Responsiveness

### 55.1 Mobile Application

- **MR1:** If applicable, outline the development of a mobile application companion to the website.
- **MR2:** Specify the supported mobile platforms (iOS, Android) and any device-specific requirements.

## 56. Accessibility Compliance

### 56.1 WCAG Compliance

- **AC1:** Ensure that the website conforms to Web Content Accessibility Guidelines (WCAG) to provide an inclusive user experience.
- **AC2:** Specify the level of WCAG compliance aimed for (e.g., AA).

## **57. User Analytics**

### **57.1 User Tracking**

- **UA1:** Describe how user analytics will be collected (e.g., Google Analytics) to gather insights into user behavior and preferences.
- **UA2:** Explain the privacy measures in place for user data collected for analytics.

## **58. A/B Testing**

### **58.1 A/B Testing Strategy**

- **AB1:** If applicable, define the A/B testing strategy for experimenting with different features, layouts, or user flows.
- **AB2:** Specify the metrics and success criteria for evaluating the effectiveness of A/B tests.

## **59. Compliance Reporting**

### **59.1 Reporting Requirements**

- **CR6:** Describe how compliance reports will be generated and shared with relevant authorities if required by regulations.
- **CR7:** Specify the frequency and content of compliance reports.

## **60. Deployment Verification**

### **60.1 Post-Deployment Verification**

- **DV1:** Outline the procedures for post-deployment verification to confirm that the website is functioning correctly in the production environment.
- **DV2:** Identify key performance indicators (KPIs) and metrics to validate successful deployment.

## **63. Content Management System (CMS)**

### **63.1 Content Creation and Management**

- **CMS1:** Specify if the website will use a Content Management System (CMS) for managing non-property content (e.g., blogs, news, FAQs).
- **CMS2:** Detail the CMS platform to be used, if applicable, and its integration with the website.

## **64. Multilingual Support**

### **64.1 Language Support**

- **MLS1:** Describe the requirements for multilingual support if the website needs to be accessible in multiple languages.
- **MLS2:** Specify the process for translating and managing content for different languages.

## **65. Property Valuation Tools**

### **65.1 Property Valuation Integration**

- **PVT1:** If needed, detail the integration of property valuation tools or services that estimate property values.
- **PVT2:** Specify how property valuation data will be retrieved and presented to users.

## **66. Search Engine Optimization (SEO)**

### **66.1 SEO Strategy**

- **SEO1:** Outline the SEO strategy for the website, including on-page optimization, metadata, and keyword targeting.
- **SEO2:** Specify how SEO performance will be monitored and improved over time.

## **67. Social Media Integration**

### **67.1 Social Sharing**

- **SMI1:** Describe how property listings and content can be shared on social media platforms.
- **SMI2:** Specify integration with social media APIs for user authentication or sharing.

## **68. User Reviews and Ratings**

### **68.1 Review System**

- **URR1:** Detail the implementation of a user review and rating system for properties.
- **URR2:** Define moderation and validation processes for user-generated content.

## **69. Data Export and Reporting**

### **69.1 Reporting Tools**

- **DER1:** Specify tools and procedures for generating and exporting data reports, including user activity, property performance, and sales data.
- **DER2:** Define who can access and use these reporting features.

## **70. User Notifications**

## 70.1 Notification System

- **UN1:** Describe how users will receive notifications, such as property updates, booking confirmations, and system notifications.
- **UN2:** Specify notification channels (e.g., email, push notifications) and user preferences.

## 72. Compliance with Emerging Technologies

### 72.1 Emerging Technologies

- **ET1:** Address the adaptability of the website to emerging technologies such as augmented reality (AR), virtual reality (VR), or blockchain, if relevant.

## 74. Content Moderation

### 74.1 Moderation Policies

- **CM1:** Define content moderation policies and guidelines to ensure that user-generated content (e.g., property listings, reviews) meets quality and legal standards.
- **CM2:** Specify procedures for reporting and addressing inappropriate or fraudulent content.

## 75. Advanced Search and Filters

### 75.1 Advanced Search Features

- **ASF1:** Detail advanced search options, including filters for property type, price range, location, and additional amenities.
- **ASF2:** Specify the user interface elements for advanced search and filtering.

## 77. User Activity Tracking

### 77.1 User Behavior Analytics

- **UAT2:** Explain how user behavior analytics will be collected and analyzed to improve the user experience and identify areas for optimization.

## 78. Property Recommendations

### 78.1 Recommendation Engine

- **PRE1:** Describe the implementation of a property recommendation engine to suggest relevant listings to users.
- **PRE2:** Specify the algorithms and data sources used for generating property recommendations.

## 80. Performance Optimization

### 80.1 Content Delivery Network (CDN)



- **PO1:** Implement a Content Delivery Network (CDN) to improve website performance by delivering content from geographically distributed servers.
- **PO2:** Specify the CDN provider and configuration.

### **83. Payment Gateway Integration**

#### **83.1 Payment Methods**

- **PGI1:** Detail the payment methods and providers integrated into the website for property bookings and transactions.
- **PGI2:** Specify how payment processing will comply with Payment Card Industry Data Security Standard (PCI DSS) requirements.

### **85. Property Listing Management**

#### **85.1 Property Listing Features**

- **PLM1:** Define the features and attributes of property listings, including property type, size, location, price, and availability.
- **PLM2:** Specify how property listings will be categorized and organized, such as residential, commercial, or rental properties.

#### **85.2 Property Media**

- **PLM3:** Describe the media types allowed for property listings, such as images, videos, and 3D tours.
- **PLM4:** Specify the requirements for image resolution, formats, and video quality.

### **86. Property Booking and Inquiry**

#### **86.1 Booking Process**

- **PBI1:** Outline the property booking process, including user registration, availability checks, and payment handling.
- **PBI2:** Specify the supported payment methods and the booking confirmation process.

#### **86.2 Inquiry and Contact Forms**

- **PBI3:** Define the inquiry and contact forms for users to express interest in properties or request additional information.
- **PBI4:** Specify how user inquiries will be routed to property owners or agents.

### **87. Property Management Dashboard**

#### **87.1 Admin Panel Features**

- **PMD1:** Detail the features and functionalities of the property management dashboard used by property owners or agents.

- **PMD2:** Specify access control levels and permissions for different user roles within the admin panel.

## **88. Advanced Analytics and Reporting**

### **88.1 Data Analytics Tools**

- **AAR1:** Describe the tools and technologies for advanced data analytics and reporting, including data visualization and business intelligence.
- **AAR2:** Specify the key performance indicators (KPIs) and metrics used for reporting and decision-making.

## **89. Integration with Property Databases**

### **89.1 Property Data Aggregation**

- **IDA1:** Explain how the website will integrate with external property databases or APIs to source property listings.
- **IDA2:** Specify data synchronization and update frequency.

## **90. Content Delivery and Performance**

### **90.1 Content Caching**

- **CDP1:** Describe content caching strategies to optimize page load times and reduce server load.
- **CDP2:** Specify caching mechanisms for frequently accessed data.
- **UN4:** Describe the process for handling unsubscribes or opt-outs from notifications.

## **91. Property Listing Submission**

### **94.1 User Submission**

- **PLS1:** Describe how users can submit property listings, including the submission process, required fields, and validation rules.
- **PLS2:** Specify the workflow for property listing review, approval, and publication.

### **94.2 Property Verification**

- **PLS3:** Define procedures for verifying property ownership and authenticity, especially for private listings.
- **PLS4:** Specify the documentation or proof required for property verification.

## **95. Property Comparison**

### **95.1 Comparison Features**

- **PC1:** Detail the features that allow users to compare multiple property listings side by side.

- **PC2:** Specify the criteria and attributes available for comparison, such as price, size, location, and amenities.

## **97. User Profiles**

### **97.1 User Profiles and Accounts**

- **UP1:** Describe the features and components of user profiles, including user account settings, preferences, and personal information.
- **UP2:** Specify the process for user registration, login, and password management.

## **98. Property Ownership Documentation**

### **98.1 Document Upload**

- **POD1:** Explain how property owners or agents can upload and manage ownership documentation for their listings.
- **POD2:** Specify the accepted document formats and size limitations.

## **100. API and Data Integration**

### **100.1 Third-party Integrations**

- **API1:** List third-party integrations (e.g., payment gateways, property data providers) and describe their role in the system.
- **API2:** Specify the authentication methods and data exchange protocols for these integrations.

## **106. Business and Revenue Models**

### **106.1 Revenue Streams**

- **BRM1:** Outline the website's revenue models, including listing fees, subscriptions, advertising, or any other revenue sources.
- **BRM2:** Specify the pricing structure and payment processes associated with these revenue models.

## **110. Final Remarks**

- **FR4:** Conclude the SRS by expressing the commitment to delivering a high-quality real estate website that meets all specified requirements.
- **FR5:** Highlight the importance of ongoing collaboration and communication among all project stakeholders.

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## **111.Success Criteria**

- The e-commerce website will be considered successful if it meets