**GameShopPro**

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## Software Requirements Specification (SRS)

**1. Introduction**

**1.1 Purpose**

This document outlines the software requirements for GameShopPro, a software application designed to automate the game shopping process for small to medium-sized business owners. The primary objective of the software is to manage customer relationships effectively and streamline game sales.

**1.2 Scope**

GameShopPro will be a comprehensive software solution that encompasses user account management, authentication, real-time data analytics and reporting, and integration with third-party vendors. The software will be available as a cross-platform web application, native mobile applications for iOS and Android, and desktop applications for Windows and macOS.

**1.3 Document Conventions**

This document will use the following conventions:

\* **[Requirement]** - Represents a functional or non-functional requirement.

\* **[Feature]** - Represents a specific feature of the software.

**2. Functional Requirements**

**2.1 User Account Management**

\* **[Requirement]** The software shall allow users to create, manage, and update their account information.

\* **[Requirement]** The software shall support secure password management and authentication mechanisms.

\* **[Requirement]** The software shall enable users to access and manage their account settings, including preferences and notifications.

**2.2 Game Inventory Management**

\* **[Requirement]** The software shall provide a platform for managing game inventory, including adding, editing, and removing games.

\* **[Requirement]** The software shall track game stock levels and generate alerts when inventory is low.

\* **[Requirement]** The software shall allow users to categorize games by genre, platform, release date, and other relevant criteria.

**2.3 Customer Relationship Management (CRM)**

\* **[Requirement]** The software shall provide tools for managing customer interactions, including tracking customer history, purchase history, and communication logs.

\* **[Requirement]** The software shall support email marketing campaigns and other customer communication channels.

\* **[Requirement]** The software shall provide insights into customer demographics and buying habits.

**2.4 Order Processing and Fulfillment**

\* **[Requirement]** The software shall streamline the order processing workflow, including order placement, payment processing, and shipping management.

\* **[Requirement]** The software shall integrate with third-party payment gateways and shipping providers.

\* **[Requirement]** The software shall generate invoices and order confirmations.

**2.5 Real-time Analytics and Reporting**

\* **[Requirement]** The software shall provide real-time data analytics on key business metrics, such as sales revenue, customer acquisition, and inventory performance.

\* **[Requirement]** The software shall generate customizable reports that can be exported in various formats (e.g., PDF, CSV).

\* **[Requirement]** The software shall allow users to set up alerts and notifications based on data trends.

**2.6 Integrations**

\* **[Requirement]** The software shall provide custom API integrations with third-party vendors, including game distributors, payment gateways, and shipping providers.

**3. Non-Functional Requirements**

**3.1 Performance**

\* **[Requirement]** The software shall be highly responsive and capable of handling thousands of simultaneous users.

\* **[Requirement]** The software shall have low latency and fast loading times across all platforms.

\* **[Requirement]** The software shall be optimized for performance and scalability.

**3.2 Security**

\* **[Requirement]** The software shall adhere to general best practices for data security and encryption.

\* **[Requirement]** The software shall implement measures to prevent unauthorized access and data breaches.

**3.3 Data Capacity**

\* **[Requirement]** The software shall utilize scalable cloud storage solutions to accommodate growing data volumes.

**3.4 Environment**

\* **[Requirement]** The software shall operate in a lightweight environment suitable for personal computers and small devices.

**3.5 Language and Localization**

\* **[Requirement]** The software shall be available in English only.

**4. Platforms**

\* **[Platform]** Cross-platform web application

\* **[Platform]** Native mobile applications for iOS and Android

\* **[Platform]** Desktop applications for Windows and macOS

**5. User Interface (UI)**

\* **[Requirement]** The software shall have a user-friendly and intuitive interface.

\* **[Requirement]** The UI shall be consistent across all platforms.

\* **[Requirement]** The software shall provide context-sensitive help and documentation.

**6. Future Enhancements**

\* **[Requirement]** Future enhancements may include support for multiple languages, advanced CRM features, and integration with social media platforms.

**7. Conclusion**

This SRS document provides a comprehensive overview of the software requirements for GameShopPro. The software is intended to be a powerful tool for small to medium-sized business owners who want to automate their game shopping process and manage customer relationships effectively. By meeting the functional and non-functional requirements outlined in this document, GameShopPro will enable businesses to optimize their operations and achieve their sales objectives.