Software Requirements Specification (SRS) for The Sound Store

1. Introduction

- Purpose:

  The Sound Store is an e-commerce website that allows users to browse, purchase, and rent audio devices such as headphones, speakers, and earphones. The website aims to provide customers with a convenient and user-friendly online shopping experience by offering a wide range of products, detailed product information, and customer reviews.

- Scope:

  The website will provide the following features:

    o A home page that displays featured products, special offers, and promotions.

    o Product categories that allow users to browse products by type (e.g. headphones, speakers, earphones)

    o A search bar that allows users to search for products by keyword or product name.

    o A registration and login feature that allows users to create an account and track their orders.

    o A renting feature that allows users to rent a product for a specific duration and calculates the rental price accordingly.

    o A shopping cart feature that allows users to add products to their cart and view the total cost of their order before checking out.

    o A checkout feature that allows users to complete their purchase by providing their shipping information and selecting a payment method.

    o A customer service and support feature that allows users to contact the website for assistance.

2. Overall Description

- Functionality: The website will enable users to browse and purchase/rent audio devices, view product information and reviews, and access special offers and promotions. Users will also be able to create an account, log in and track their orders.

- User interface: The website will have a clean and user-friendly design, with a navigation bar, search bar, and product categories.

3. User Requirements

- User registration: Users will be able to create an account by providing their email address, creating a password, and inputting their contact information.

- User login: Users will be able to log in to their account using their email and password.

- Profile management: Users will be able to view and edit their account details, including their contact information and order history.

- Product browsing: Users will be able to browse products by category and view product details, including product images, descriptions, and customer reviews.

- Product search: Users will be able to search for products by keyword or product name.

- Product renting: Users will be able to rent a product for a specific duration, and the website will calculate the rental price accordingly.

- Shopping cart: Users will be able to add products to their cart and view the total cost of their order before checking out.

- Checkout: Users will be able to complete their purchase by providing their shipping information and selecting a payment method.

- Order confirmation: Users will receive a confirmation of their order, including a summary of the products purchased and the total cost.

- Order tracking: Users will be able to view the status of their orders and track the delivery of their purchases.

- Customer service: Users will have access to customer service and support through a contact form or email.

4. Specific Requirements

- Home page: The home page will display featured products, special offers and promotions, and a selection of product categories.

- Product categories: Users will be able to browse products by category (e.g. headphones, speakers, earphones)

- Search option: Users will be able to search for products by keyword or product name.

- Register and sign-in: Users will be able to create an account and log in to access their order history and account details.

- Renting feature: Users will be able to rent a product for a specific duration, and the website will calculate the rental price accordingly.

- Payment gateway integration: The website will integrate with a payment gateway to process transactions.

5. Additional Requirements

- Security considerations: The website will implement appropriate security measures to protect user data and transactions.

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- User management: The website will have functionality for managing user accounts, including password resets and account deletions.

- Order management: The website will have functionality for managing and tracking orders, including order confirmations and shipping updates.

- Inventory management: The website will have functionality for managing product inventory, including updating product information and tracking stock levels.

- Reporting and analytics: The website will have functionality for generating and viewing reports on website traffic and sales.

- Quality assurance: The website will be thoroughly tested to ensure high quality and reliability.

- Maintenance: The website will have regular maintenance to ensure optimal performance and security.

6. Appendices

- Wireframes or mockups: Wireframes or mockups of the website's pages and layout will be included in the appendices.

- Use case scenarios: Use case scenarios will be included in the appendices to show how the website will be used in different scenarios.

- Technical details: Technical details of the website's development and implementation will be included in the appendices.