Project Specification

**Project Number:** …

**Project Title:** E-Auctions Manager

**Project Authors:**

* …
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*Section 1: Domain of Application, Motivation, and Goals of the Website*

The e-auctions manager aims to provide a comprehensive platform for users to browse, bid on, and review various products and auctions. The motivation behind this project is to simplify the process of participating in auctions for both bidders and sellers, while also providing a platform for efficient interaction and transaction management. The goals of the website include:

* To create a user-friendly interface for browsing and participating in auctions.
* To facilitate easy auction and bid management for both bidders and sellers.
* To incorporate a rating and review system for users to make informed bidding decisions.
* To provide analytics and insights for sellers to improve their auction strategies and outcomes.

*Section 2: Description of User Roles*

**Business Roles:**

1. **Client:** Regular users who can browse auctions, place bids, and manage their bidding activities.
2. **Administrator:** Administrators who manage the platform, including user accounts, auction listings, and system settings.

**Technical Roles:**

1. **Database Administrator:** Responsible for managing the MySQL database.
2. **Backend Developer:** Handles the development and maintenance of the Spring Framework and Hibernate.
3. **Frontend Developer:** Designs and implements the HTML, CSS, and JavaScript for the web frontend.

*Section 3: Functionalities of the Project*

1. **Web Pages and Sections:**
   * Homepage: Displays featured auctions, creation functionality, and navigation.
   * Actions Listings: Shows a list of available auctions with bid and information about auction.

o Auctions Details: Provides detailed information about a auction.

* + Bid Page: Allows users to make bid for selected auction.
  + User Profile: Enables users to manage their open auctions, reviews, and account settings.

1. **Special Elements of the UI:**
   * Registration and auntentication form.
2. **Data Analysis Functionalities:**
   * Analytics Dashboard: Presents insights such as auction trends, popular products.
3. **Access Control:**
   * Clients: Access to browsing, creating, bidding.
   * Administrators: Full access to manage users, listings, and website settings.

This project specification outlines the scope, goals, and functionalities of the e-auction manager site, providing a comprehensive guide for development