



## **Project Report**

**On**

**Project Name: SmartBid Online Auction Hub**

**Course Title:** Advanced Enterprise Java Laboratory

**Course Code:** SE 410

**Submitted To:**

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**Submission Date:10-06-25**

# SmartBid Online Auction Hub

## 1. Introduction

The Online Auction System is a web-based platform that allows buyers to place bids on products uploaded by sellers. It simulates a real-world auction system with user authentication, bidding logic, admin approval, wallet transactions, and winner declaration. This project was developed using Java (Servlet, JSP), JDBC, MySQL, and Tailwind CSS for a professional user interface.

## Project Structure

OnlineAuctionSystem/

```
|
|
|— src/
|   |— com.auction.controller/    (All Servlet classes)
|   |— com.auction.dao/          (Database access layer)
|   |— com.auction.model/
|   |— com.auction.util/          (DBConnection, Utilities)
|
|
|— WebContent/
|   |— admin/                     (JSPs for Admin)
|   |— buyer/                    (JSPs for Buyer)
|   |— seller/                    (JSPs for Seller)
|   |— login.jsp
|   |— register.jsp
|   |— index.jsp
|   |— index.jsp
|
|— Libraries/                     (MySQL jar file)
```

## 2. Technologies Used

| Technology           | Purpose / Use Case                                       |
|----------------------|--|
| Java (Servlet & JSP) | Backend logic, HTTP request and response handling        |
| JDBC                 | Database connectivity between Java and MySQL             |
| MySQL                | Relational database to store users, products, bids, etc. |
| HTML                 | Front-end layout and content structure                   |
| Tailwind CSS         | Design of responsive and professional-looking UI         |
| Apache Tomcat        | Server to deploy and run the Java web application        |
| NetBeans IDE         | Project development, deployment, and testing environment |

## 3. Modules and Features

### 3.1 Authentication Module

- Login and registration for Buyers, Sellers, and Admins
- Blocked users are restricted from logging in
- Session-based access control and logout functionality

### 3.2 Admin Panel Features

- Manage all users (view, block/unblock)
- Approve or reject product listings from sellers
- View All Products
- Monitor live bidding products
- Declare auction winners
- Full control over system operations

### 3.3 Seller Features

- Add products for auction
- View approved products
- Approved products are only visible to buyers
- Live Bidding Status for Each Product
- Seller Wallet System
  - Automatic fund credit after auction win
  - Current balance tracking
  - Wallet Recharge Option with Balance Check

### 3.4 Buyer Features

- Browse approved auction products
- Place bids on live auction products
- View all bids placed by the buyer
- Check live bidding status for each product
- Buyer wallet system with balance tracking
  - Recharge wallet, automatic deduction on winning
  - Wallet recharge option with balance verification

### 3.5 Wallet Management

- Separate Buyer and Seller wallet tables
- Manual recharge for buyers and sellers
- Auto-deduct on win and auto-credit to seller

### 3.6 Winner Declaration

- Admin declares winner based on highest bid
- Buyers wallet auto-deducted
- Sellers wallet auto-credited
- Auction result stored in auction\_winners table

## 4. Database Design

The project uses a MySQL database named **auction\_db** which contains multiple tables to manage the auction system efficiently.

### 4.1 Database Tables Used

| Table Name      | Description   |
|-----------------|---|
| admins          | Stores all administrator login and profile information.   |
| users           | Contains information of all users (buyers and sellers).   |
| products        | Stores product details added by sellers for auction.      |
| bids            | Stores all bids placed by buyers on different products.   |
| buyer_wallet    | Maintains current balance and transaction data of buyers. |
| seller_wallet   | Maintains wallet balance and credits for sellers.         |
| auction_winners | Stores auction result including winner and bid amount.    |

**Note:** Proper foreign key relationships are used between users, products, bids, and auction\_winners to maintain data integrity.

## 5. Design & User Interface

Tailwind CSS is used to create a clean, modern, and responsive interface. The system features role-based dashboards, card layouts, and easy-to-navigate pages for buyers, sellers, and admin users.

### Project Code & Output

#### ➤ index.jsp

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>SmartBid Welcome</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Google Font: Poppins -->
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">

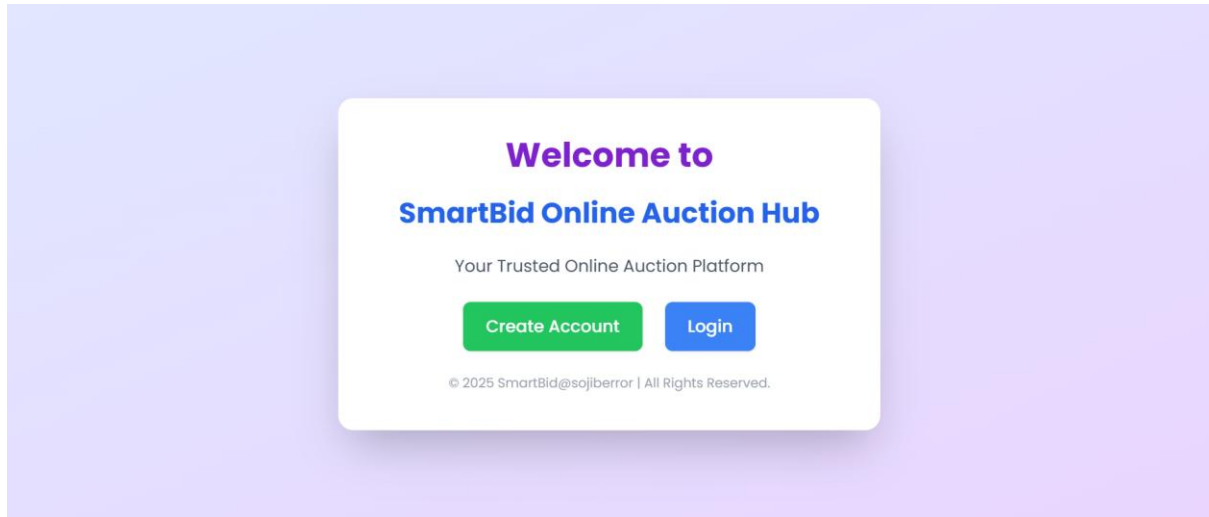
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
        @keyframes fadeInUp {
            0% { opacity: 0; transform: translateY(40px); }
            100% { opacity: 1; transform: translateY(0); }
        }
        .fade-in-up {
            animation: fadeInUp 1s ease-out forwards;
        }
    </style>
</head>
<body class="bg-gradient-to-br from-indigo-100 to-purple-200 min-h-screen flex
items-center justify-center p-6">

<div class="bg-white p-10 rounded-2xl shadow-2xl max-w-xl w-full fade-in-up space-
y-6 text-center">
    <!-- Title -->
    <h1 class="text-4xl font-bold text-purple-700">Welcome to</h1>
    <h2 class="text-3xl font-extrabold text-blue-600">SmartBid Online Auction
Hub</h2>
    <!-- Subtitle -->
    <p class="text-lg text-gray-600 mt-2">Your Trusted Online Auction Platform</p>
    <!-- Buttons -->
    <div class="flex justify-center gap-6 mt-8">
        <a href="register.jsp"
            class="bg-green-500 hover:bg-green-600 text-white px-6 py-3 rounded-lg
shadow text-lg font-medium transition">
            Create Account
        </a>
        <a href="login.jsp">
```

```

        class="bg-blue-500 hover:bg-blue-600 text-white px-6 py-3 rounded-lg
shadow text-lg font-medium transition">
        Login
    </a>
</div>
<!-- Footer -->
<p class="text-sm text-gray-400 mt-6">
    © <%= java.time.Year.now() %> SmartBid@sojiberror | All Rights Reserved.
</p>
</div>
</body>
</html>

```



## Wellcome Page

### ➤ regiseter.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Register - SmartBid</title>
    <!-- Tailwind CSS CDN -->
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Poppins Google Font -->
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gradient-to-br from-blue-100 to-purple-200 min-h-screen flex items-
center justify-center px-4 relative">
    <!-- Main Registration Card -->
    <div class="bg-white shadow-2xl rounded-2xl p-10 w-full max-w-lg fade-in-up
relative z-10">

```

```

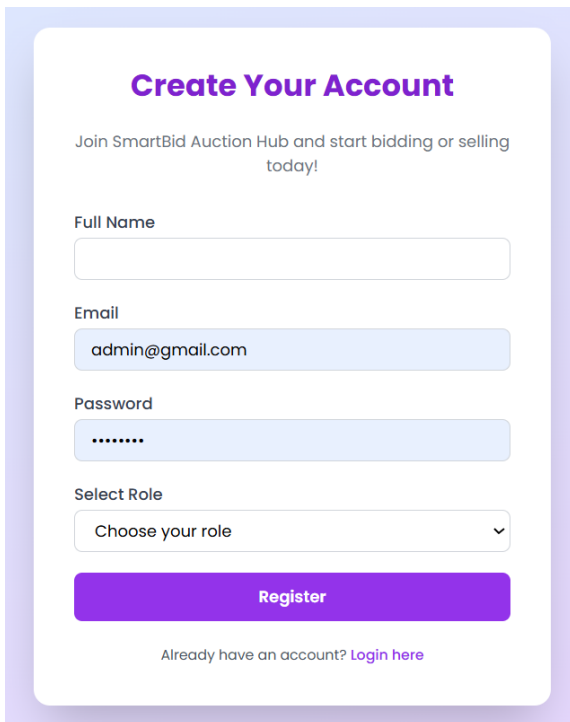
        <h2 class="text-3xl font-bold text-center text-purple-700 mb-6">Create Your
Account</h2>
        <p class="text-center text-gray-500 mb-8">Join SmartBid Auction Hub and
start bidding or selling today!</p>
        <form action="RegisterServlet" method="post" class="space-y-5">
            <!-- Full Name -->
            <div>
                <label for="name" class="block text-gray-700 font-medium mb-1">Full
Name</label>
                <input type="text" id="name" name="name" required
                    class="w-full px-4 py-2 border border-gray-300 rounded-lg
focus:ring-2 focus:ring-purple-400 focus:outline-none" />
            </div>
            <!-- Email -->
            <div>
                <label for="email" class="block text-gray-700 font-medium mb-
1">Email</label>
                <input type="email" id="email" name="email" required
                    class="w-full px-4 py-2 border border-gray-300 rounded-lg
focus:ring-2 focus:ring-purple-400 focus:outline-none" />
            </div>
            <!-- Password -->
            <div>
                <label for="password" class="block text-gray-700 font-medium mb-
1">Password</label>
                <input type="password" id="password" name="password" required
                    class="w-full px-4 py-2 border border-gray-300 rounded-lg
focus:ring-2 focus:ring-purple-400 focus:outline-none" />
            </div>
            <!-- Role Selection -->
            <div>
                <label for="role" class="block text-gray-700 font-medium mb-
1">Select Role</label>
                <select name="role" id="role" required
                    class="w-full px-4 py-2 border border-gray-300 rounded-lg
focus:ring-2 focus:ring-purple-400 focus:outline-none">
                    <option value="" disabled selected>Choose your role</option>
                    <option value="buyer">Buyer</option>
                    <option value="seller">Seller</option>
                </select>
            </div>
            <!-- Submit Button -->
            <button type="submit"
                class="w-full bg-purple-600 text-white font-semibold py-3
rounded-lg hover:bg-purple-700 transition duration-300">
                Register
            </button>
        </form>
        <!-- Redirect Link -->
        <p class="text-center text-sm text-gray-600 mt-6">
            Already have an account?
            <a href="login.jsp" class="text-purple-600 font-medium
hover:underline">Login here</a>
        </p>
    </div>

```

```

<!-- Success Card (conditionally shown) -->
<%
    String success = request.getParameter("success");
    if ("1".equals(success)) {
%>
        <div id="successCard" class="absolute top-8 left-1/2 transform -translate-x-1/2
bg-white border border-purple-300 shadow-xl rounded-xl p-6 w-[90%] max-w-md text-
center fade-in-up z-50">
            <h2 class="text-2xl font-bold text-purple-600 mb-2">Welcome to
SmartBid!</h2>
            <p class="text-gray-700 mb-4">Your registration was successful.</p>
            <a href="login.jsp" class="inline-block px-6 py-2 bg-purple-600 text-white
rounded-lg hover:bg-purple-700 transition duration-300">
                Go to Login
            </a>
        </div>
    <%
    }
%>
</body>
</html>

```



**Create Your Account**

Join SmartBid Auction Hub and start bidding or selling today!

Full Name

Email

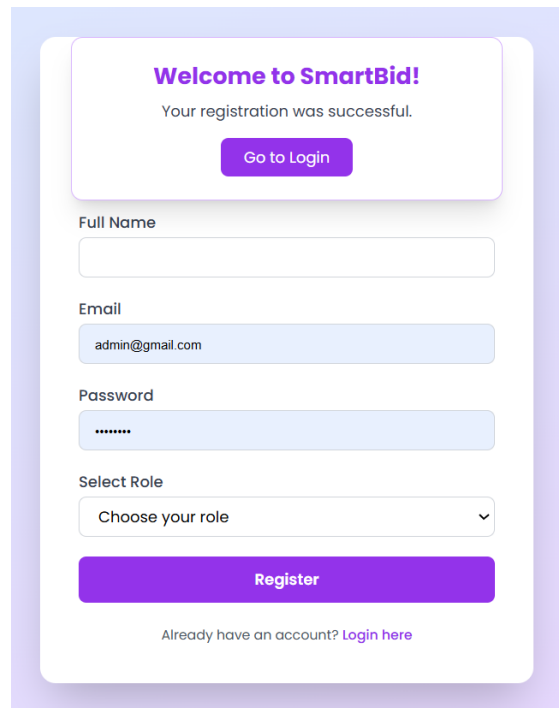
Password

Select Role

**Register**

Already have an account? [Login here](#)

**Create account**



**Welcome to SmartBid!**

Your registration was successful.

**Go to Login**

Full Name

Email

Password

Select Role

**Register**

Already have an account? [Login here](#)

**After register Welcome message show**



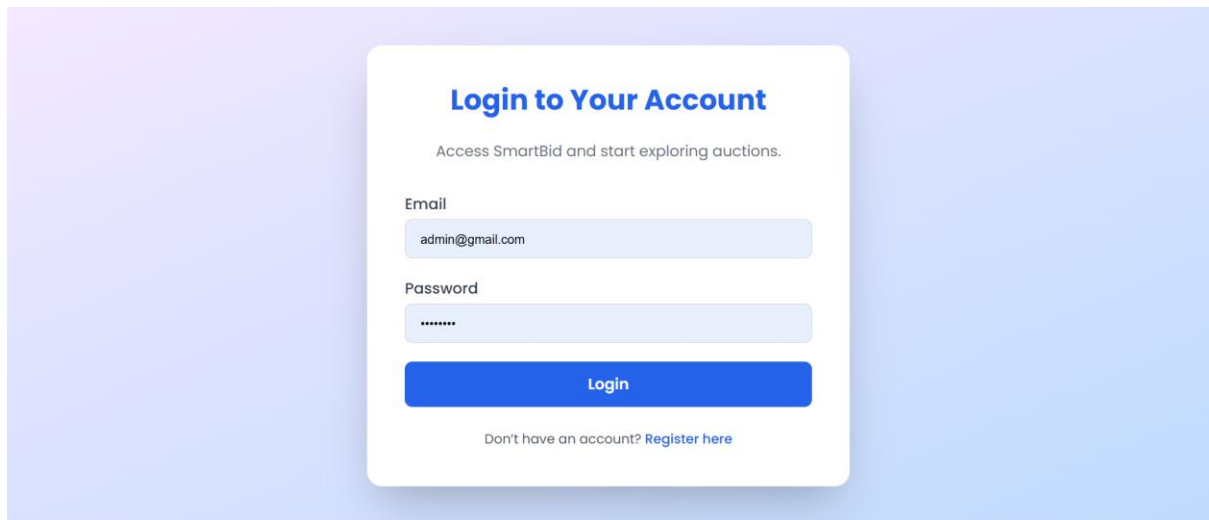
➤ **login.jsp**

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Login - SmartBid</title>
    <!-- Tailwind CSS -->
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Poppins Font -->
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
        @keyframes fadeInUp {
            from { opacity: 0; transform: translateY(30px); }
            to { opacity: 1; transform: translateY(0); }
        }
        .fade-in-up {
            animation: fadeInUp 0.8s ease-out;
        }
    </style>
</head>
<body class="bg-gradient-to-br from-purple-100 to-blue-200 min-h-screen flex
items-center justify-center px-4">
    <div class="bg-white shadow-2xl rounded-2xl p-10 w-full max-w-lg fade-in-up">
        <h2 class="text-3xl font-bold text-center text-blue-600 mb-6">Login to
Your Account</h2>
        <p class="text-center text-gray-500 mb-8">Access SmartBid and start
exploring auctions.</p>
        <!-- Error Alert -->
        <%
            String error = request.getParameter("error");
            if ("invalid".equals(error)) {
                <div class="bg-red-100 border border-red-400 text-red-700 px-4 py-3
rounded mb-6 text-sm fade-in-up" role="alert">
                    <strong class="font-semibold">Invalid!</strong> Email or password
is incorrect.
                </div>
                <%
            } else if ("blocked".equals(error)) {
                <div class="bg-orange-100 border border-orange-400 text-orange-700 px-
4 py-3 rounded mb-6 text-sm fade-in-up" role="alert">
                    <strong class="font-semibold">Blocked!</strong> Your account has
been blocked by admin.
                </div>
                <%
            } else if ("pending".equals(error)) {
                <div class="bg-yellow-100 border border-yellow-400 text-yellow-700 px-
4 py-3 rounded mb-6 text-sm fade-in-up" role="alert">
                    <strong class="font-semibold">Pending!</strong> Your account is
pending approval.
                </div>
            }
        %>
    </div>
</body>
</html>
```

```

        <div class="bg-yellow-100 border border-yellow-400 text-yellow-700 px-4 py-3 rounded mb-6 text-sm fade-in-up" role="alert">
            <strong class="font-semibold">Pending!</strong> Your account is pending approval by admin.
        </div>
    <%
    } else if ("server".equals(error)) {
    %>
        <div class="bg-red-100 border border-red-400 text-red-700 px-4 py-3 rounded mb-6 text-sm fade-in-up" role="alert">
            <strong class="font-semibold">Server Error!</strong> Something went wrong. Please try again later.
        </div>
    <%
    }
    %>
    <form action="LoginServlet" method="post" class="space-y-5">
        <!-- Email -->
        <div>
            <label for="email" class="block text-gray-700 font-medium mb-1">Email</label>
            <input type="email" id="email" name="email" required class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-blue-400" />
        </div>
        <!-- Password -->
        <div>
            <label for="password" class="block text-gray-700 font-medium mb-1">Password</label>
            <input type="password" id="password" name="password" required class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-blue-400" />
        </div>
        <!-- Login Button -->
        <button type="submit" class="w-full bg-blue-600 text-white font-semibold py-3 rounded-lg hover:bg-blue-700 transition duration-300">
            Login
        </button>
    </form>
    <!-- Register Link -->
    <p class="text-center text-sm text-gray-600 mt-6">
        Don't have an account?
        <a href="register.jsp" class="text-blue-600 font-medium hover:underline">Register here</a>
    </p>
    </div>
</body>
</html>

```



## Login Page

### ➤ logout.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
    <%@ page language="java" session="true" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Logout Response</title>
    </head>
    <body>
<%
    session.invalidate();
    response.sendRedirect("login.jsp");
%>
    </body>
</html>
```

## Admin Part

### ➤ dashboard.jsp

```
<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    Connection conn = DBConnection.getConnection();
    PreparedStatement psLive = conn.prepareStatement(
        "SELECT id, name FROM products WHERE status='approved'");
    ResultSet rsLive = psLive.executeQuery();
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Admin Dashboard</title>
    <script src="https://cdn.tailwindcss.com"></script>
```

```

    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600;700&display=sw
ap" rel="stylesheet">
    <style>
        body { font-family: 'Poppins', sans-serif; }
    </style>
</head>
<body class="bg-gradient-to-r from-gray-100 to-blue-100 min-h-screen py-8 px-4
sm:px-10">
    <div class="max-w-7xl mx-auto bg-white rounded-2xl shadow-xl p-8">
        <!-- Header -->
        <div class="flex justify-between items-center mb-10">
            <h1 class="text-4xl font-bold text-slate-800">Admin Dashboard</h1>
            <a href="<%= request.getContextPath() %>/logout.jsp"
                class="inline-flex items-center gap-2 bg-red-500 text-white px-5
py-2 rounded-xl font-medium hover:bg-red-600 shadow">
                <svg class="w-6 h-6" fill="none" stroke="currentColor" stroke-
width="2"
                    viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg">
                    <path stroke-linecap="round" stroke-linejoin="round"
                        d="M17 16l4-4m0 0l-4-4m4 4H7m6 4v1a2 2 0 0 1-2 2H7a2 2 0
0 1-2-2V7a2 2 0 0 12-2h4a2 2 0 0 12 2v1"/>
                    </svg>
                Logout
            </a>
        </div>
        <!-- Main Action Buttons -->
        <div class="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
            <!-- Reusable Card Template -->
            <%
                String[][] actions = {
                    {"viewUsers.jsp", "All Users Management", "M17 20h5v-2a4 4 0
00-3-3.87M9 20H4v-2a4 4 0 0 13-3.87M16 7a4 4 0 11-8 0 4 4 0 0 18 0z", "bg-blue-
600"},
                    {"viewPendingProducts.jsp", "Pending Product Approvals", "M5
13l4 4l19 7", "bg-yellow-500"},
                    {"viewAllProducts.jsp", "All Products", "M3 7h18M3 12h18M3
17h18", "bg-indigo-600"},
                    {"userRequest.jsp", "New User Requests", "M12 4v16m8-8H4",
"bg-purple-600"},
                    {"transactions.jsp", "All Transactions", "M12 8c-1.657 0-3
1.343-3 3h6c0-1.657-1.343-3-3-3z", "bg-green-600"},
                    {"blockedUsers.jsp", "Blocked/Unblocked Users", "M18.364
5.636l-12.728 12.728M5.636 5.636l12.728 12.728", "bg-red-600"},
                    {"viewAllAuctions.jsp", "Declare Auction Winner", "M3 10h11M9
21V3", "bg-cyan-600"},
                };
                for (String[] action : actions) {
            <%>
                <a href="<%= action[0] %>"
                    class="flex items-center gap-4 p-6 <%= action[3] %> text-white
rounded-xl shadow-md hover:opacity-90 transition">
                    <svg class="w-7 h-7" fill="none" stroke="currentColor" stroke-
width="2"
                        viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg">

```

```

                <path stroke-linecap="round" stroke-linejoin="round" d="<%=
action[2] %>"></path>
            </svg>
            <span class="text-lg font-semibold"><%= action[1] %></span>
        </a>
        <% } %>
        <!-- View Winners (Full Width) -->
        <a href="viewWinners.jsp"
            class="col-span-full bg-green-500 hover:bg-green-600 text-white px-
6 py-4 rounded-xl shadow text-xl font-semibold text-center transition flex items-
center justify-center gap-3">
            <svg class="w-6 h-6" fill="none" stroke="currentColor" stroke-
width="2"
                viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg">
                <path stroke-linecap="round" stroke-linejoin="round"
                    d="M8 21h8M12 17v4M7 4h10l1 5a4 4 0 0 1-8 0L7 4zm0 0H5a2
2 0 0 2 2m10-2h2a2 2 0 0 1-2 2" />
                </svg>
                <span>View Winners</span>
            </a>
        </div>
        <!-- Live Bidding Section in Table Format -->
        <div class="mt-12 bg-white border border-emerald-300 p-8 rounded-2xl
shadow-lg">
            <h2 class="text-3xl font-bold text-emerald-700 text-center mb-6">Live
Bidding Products</h2>

            <div class="overflow-x-auto">
                <table class="min-w-full table-auto border border-gray-200
rounded-lg shadow-sm">
                    <thead class="bg-emerald-100 text-emerald-800">
                        <tr>
                            <th class="text-left px-6 py-3 text-sm font-semibold
border-b">Product Name</th>
                            <th class="text-center px-6 py-3 text-sm font-semibold
border-b">Action</th>
                        </tr>
                    </thead>
                    <tbody class="text-gray-700">
                        <%
                            while(rsLive.next()) {
                                int pid = rsLive.getInt("id");
                                String pname = rsLive.getString("name");
                            %>
                            <tr class="hover:bg-gray-50 transition-all">
                                <td class="px-6 py-4 border-b text-base"><%= pname
%></td>

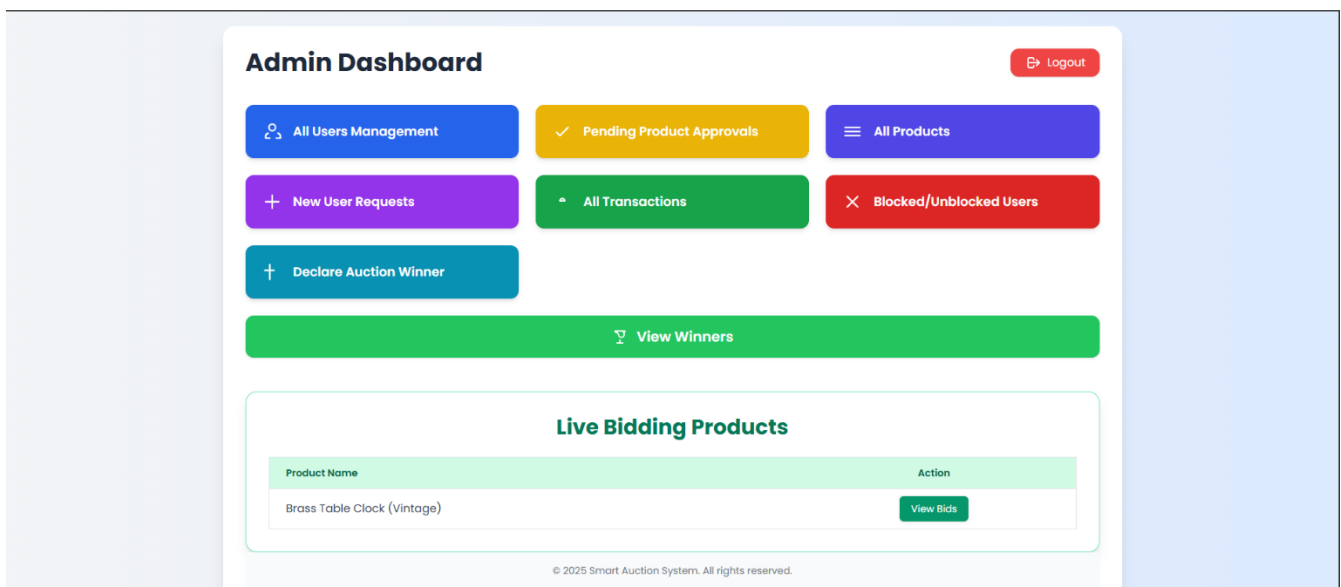
                                <td class="px-6 py-4 border-b text-center">
                                    <a
href="<%=request.getContextPath()%>/buyer/liveBids.jsp?product_id=<%= pid %>"
                                    class="bg-emerald-600 text-white px-4 py-2
rounded-md hover:bg-emerald-700 transition duration-300 text-sm font-medium
shadow">
                                        View Bids
                                    </a>

```

```

        </td>
      </tr>
    <% } %>
  </tbody>
</table>
</div>
</div>
<div class="px-6 py-4 bg-gray-50 text-center text-sm text-gray-500">
  © <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
</div>
</div>
</body>
</html>

```



## Admin Dashboard

### ➤ viewUsers.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement("SELECT * FROM users WHERE role
!= 'admin'");
    ResultSet rs = ps.executeQuery();
%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>All Users</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Poppins Font -->

```

```

<link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
<style>
    body {
        font-family: 'Poppins', sans-serif;
    }
</style>
</head>
<body class="bg-gray-100 p-6 min-h-screen">
<div class="max-w-6xl mx-auto bg-white p-6 rounded shadow">
    <div class="relative mb-6">
        <!-- Dashboard Button Top-Right -->
        <div class="absolute top-0 right-0">
            <a href="dashboard.jsp" class="bg-blue-600 text-white px-4 py-2
rounded-lg hover:bg-blue-700 transition duration-300 text-sm flex items-center
gap-1 shadow">
                <svg xmlns="http://www.w3.org/2000/svg" class="w-5 h-5"
fill="none" viewBox="0 0 24 24" stroke="currentColor">
                    <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M3 10h11M9 21V3m0 0L5 7m4-4L4 4" />
                </svg>
                Dashboard
            </a>
        </div>
        <!-- Center Title -->
        <h2 class="text-3xl font-bold text-blue-700 text-center">
            All User Management
        </h2>
    </div>
    <table class="min-w-full border">
        <thead class="bg-blue-100 text-left">
            <tr>
                <th class="px-4 py-2">ID</th>
                <th class="px-4 py-2">Name</th>
                <th class="px-4 py-2">Email</th>
                <th class="px-4 py-2">Role</th>
                <th class="px-4 py-2">Status</th>
            </tr>
        </thead>
        <tbody>
            <%
                while (rs.next()) {
            %>
            <tr class="border-t hover:bg-gray-50">
                <td class="px-4 py-2"><%= rs.getInt("id") %></td>
                <td class="px-4 py-2"><%= rs.getString("name") %></td>
                <td class="px-4 py-2"><%= rs.getString("email") %></td>
                <td class="px-4 py-2 capitalize"><%= rs.getString("role")
%></td>
                <td class="px-4 py-2 text-<%=
rs.getString("status").equals("active") ? "green" : "red" %>-600 font-semibold">
                    <%= rs.getString("status") %>
                </td>
            </tr>

```

```

        <% } %>
    </tbody>
</table>
</div>
</body>
</html>

```

| All User Management |        |                  |        |        | <a href="#">Dashboard</a> |
|---------------------|--------|------------------|--------|--------|---------------------------|
| ID                  | Name   | Email            | Role   | Status |                           |
| 1                   | Tanvir | tanvir@gmail.com | Seller | active |                           |
| 2                   | Mahfuz | mahfuz@gmail.com | Seller | active |                           |
| 3                   | Rashed | rashed@gmail.com | Seller | active |                           |
| 4                   | Mamun  | mamun@gmail.com  | Seller | active |                           |
| 5                   | Shahin | shahin@gmail.com | Seller | active |                           |
| 6                   | Arif   | arif@gmail.com   | Buyer  | active |                           |
| 7                   | Jamil  | jamil@gmail.com  | Buyer  | active |                           |
| 8                   | Nasir  | nasir@gmail.com  | Buyer  | active |                           |
| 9                   | Rifat  | rifat@gmail.com  | Buyer  | active |                           |
| 10                  | Sabbir | sabbir@gmail.com | Buyer  | active |                           |
| 11                  | Joy    | joy@gmail.com    | Seller | active |                           |
| 12                  | Nirob  | nirob@gmail.com  | Buyer  | active |                           |

## View All Users

### ➤ viewPendingProduct.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement(
        "SELECT p.*, u.name AS seller_name FROM products p JOIN users u ON
p.seller_id=u.id WHERE p.status='pending'");
    ResultSet rs = ps.executeQuery();
    String msg = request.getParameter("msg");
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Pending Product Approvals</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Poppins Font -->
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">

    <style>
        body {

```



```

        font-family: 'Poppins', sans-serif;
    }
</style>
</head>
<body class="bg-gray-100 p-6 min-h-screen">
    <div class="max-w-7xl mx-auto bg-white p-6 rounded-xl shadow-lg">
        <div class="relative mb-6">
            <!-- Dashboard Button Top-Right -->
            <div class="absolute top-0 right-0">
                <a href="dashboard.jsp" class="bg-blue-600 text-white px-4 py-2
rounded-lg hover:bg-blue-700 transition duration-300 text-sm flex items-center
gap-1 shadow">
                    <svg xmlns="http://www.w3.org/2000/svg" class="w-5 h-5"
fill="none" viewBox="0 0 24 24" stroke="currentColor">
                        <path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M3 10h11M9 21V3m0 0L5 7m4-4L4 4" />
                    </svg>
                    Dashboard
                </a>
            </div>
            <!-- Center Title -->
            <h2 class="text-3xl font-bold text-blue-700 text-center">
                Pending Product Approvals
            </h2>
        </div>
        <% if (msg != null) { %>
            <div class="mb-4 p-4 rounded-lg shadow">
                <%= msg.equals("approved") ? "bg-green-100 text-green-700" :
                    msg.equals("rejected") ? "bg-yellow-100 text-yellow-700" :
                    "bg-red-100 text-red-700" %>>
                <% if (msg.equals("approved")) { %>
                    Product approved successfully!
                <% } else if (msg.equals("rejected")) { %>
                    Product rejected!
                <% } else { %>
                    Something went wrong: <%= msg %>
                <% } %>
            </div>
        <% } %>
        <div class="overflow-x-auto">
            <table class="min-w-full table-auto border border-gray-200 rounded-lg
overflow-hidden shadow-sm">
                <thead class="bg-yellow-100 text-gray-800">
                    <tr>
                        <th class="px-4 py-3 text-left">Product</th>
                        <th class="px-4 py-3 text-left">Description</th>
                        <th class="px-4 py-3 text-left">Start Price</th>
                        <th class="px-4 py-3 text-left">Seller</th>
                        <th class="px-4 py-3 text-left">End Time</th>
                        <th class="px-4 py-3 text-left">Action</th>
                    </tr>
                </thead>
                <tbody class="text-gray-700 divide-y divide-gray-200">
                    <%
                        while (rs.next()) {

```

```

%>
<tr class="hover:bg-gray-50">
  <td class="px-4 py-3 font-semibold"><%=
rs.getString("name") %></td>
  <td class="px-4 py-3"><%= rs.getString("description")
%></td>
  <td class="px-4 py-3"><%= rs.getDouble("start_price")
%>$</td>
  <td class="px-4 py-3"><%= rs.getString("seller_name")
%></td>
  <td class="px-4 py-3"><%= rs.getTimestamp("end_time")
%></td>
  <td class="px-4 py-3">
    <div class="flex flex-col sm:flex-row sm:items-center
sm:space-x-2 space-y-2 sm:space-y-0">
      <a href="<%= request.getContextPath()
%>/ApproveProductServlet?id=<%= rs.getInt("id") %>&action=approve"
        class="bg-green-500 hover:bg-green-600 text-
white px-4 py-2 rounded-lg text-sm text-center transition">
        Approve
      </a>
      <a href="<%= request.getContextPath()
%>/ApproveProductServlet?id=<%= rs.getInt("id") %>&action=reject"
        class="bg-red-500 hover:bg-red-600 text-white
px-4 py-2 rounded-lg text-sm text-center transition">
        Reject
      </a>
    </div>
  </td>
</tr>
<% } %>
</tbody>
</table>
</div>
</div>
</body>
</html>

```

| Pending Product Approvals          |   |             |        |                       |                          | <a href="#">↑ Dashboard</a> |
|------------------------------------|---|-------------|--------|-----------------------|--------------------------|-----------------------------|
| Product                            | Description   | Start Price | Seller | End Time              | Action                   |                             |
| Old Transistor Radio               | 1980s portable radio, working condition, very rare                | 350.0\$     | Mahfuz | 2025-06-04 22:41:00.0 | <button>Approve</button> | <button>Reject</button>     |
| Vintage Film Camera                | Kodak Brownie model, collectable item, lens in good shape         | 750.0\$     | Mahfuz | 2025-06-04 22:44:00.0 | <button>Approve</button> | <button>Reject</button>     |
| Classic Leather Briefcase          | Real leather, pre-owned, from 1970s, great condition              | 650.0\$     | Rashed | 2025-06-04 22:46:00.0 | <button>Approve</button> | <button>Reject</button>     |
| Coin Collection Set                | 10 rare Indian & Bangladeshi coins from 1950-1971                 | 350.0\$     | Rashed | 2025-06-04 22:53:00.0 | <button>Approve</button> | <button>Reject</button>     |
| Hand-Painted Scroll Art            | Traditional Bengali scroll painting (patachitra style), 2ft x 1ft | 280.0\$     | Mamun  | 2025-06-04 22:58:00.0 | <button>Approve</button> | <button>Reject</button>     |
| Small Brass Telescope (Decorative) | Table-top collectible telescope, handmade finish                  | 450.0\$     | Mamun  | 2025-06-04 23:01:00.0 | <button>Approve</button> | <button>Reject</button>     |
| Vintage Projector                  | Manual reel film projector, slightly damaged, for decor           | 850.0\$     | Shahin | 2025-06-04 23:16:00.0 | <button>Approve</button> | <button>Reject</button>     |

**View Pending Prodcuts**

### ➤ viewAllProducts.jsp

```
<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%@ page session="true" %>
<%
    Connection conn = DBConnection.getConnection();
    ➤ PreparedStatement ps = conn.prepareStatement(
        "SELECT p.id, p.name, p.description, p.status, u.name as seller_name " +
        "FROM products p INNER JOIN users u ON p.seller_id = u.id"
    );
    ResultSet rs = ps.executeQuery();
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>All Products (Admin)</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap"
rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gray-100 min-h-screen p-6">
<div class="max-w-6xl mx-auto bg-white p-8 rounded-xl shadow">
    <div class="relative mb-6">
        <!-- Dashboard Button Top-Right -->
        <div class="absolute top-0 right-0">
            <a href="dashboard.jsp" class="bg-blue-600 text-white px-4 py-2 rounded-lg
hover:bg-blue-700 transition duration-300 text-sm flex items-center gap-1 shadow">
                <svg xmlns="http://www.w3.org/2000/svg" class="w-5 h-5" fill="none"
viewBox="0 0 24 24" stroke="currentColor">
                    <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M3 10h11M9 21V3m0 0L5 7m4-4L4 4" />
                </svg>
                Dashboard
            </a>
        </div>
        <!-- Center Title -->
        <h2 class="text-3xl font-bold text-blue-700 text-center">
            All Products Overview (Admin Panel)
        </h2>
    </div>
    <table class="w-full table-auto border border-gray-300 rounded-lg overflow-
hidden shadow">
        <thead class="bg-gray-200 text-gray-700 font-semibold">
            <tr>
                <th class="px-4 py-2 text-left">ID</th>
                <th class="px-4 py-2 text-left">Product Name</th>
                <th class="px-4 py-2 text-left">Description</th>
                <th class="px-4 py-2 text-left">Seller</th>
            </tr>
        </thead>
    </table>
</div>
</body>
</html>
```

```

        <th class="px-4 py-2 text-left">Status</th>
    </tr>
</thead>
<tbody class="text-gray-800">
<%
    while(rs.next()) {
        String status = rs.getString("status");
        String badgeColor = "gray";
        if ("approved".equals(status)) {
            badgeColor = "green";
        } else if ("pending".equals(status)) {
            badgeColor = "yellow";
        } else if ("rejected".equals(status)) {
            badgeColor = "red";
        }
    }
%>
    <tr class="border-b">
        <td class="px-4 py-2"><%= rs.getInt("id") %></td>
        <td class="px-4 py-2 font-semibold"><%= rs.getString("name")
%></td>

        <td class="px-4 py-2"><%= rs.getString("description") %></td>
        <td class="px-4 py-2"><%= rs.getString("seller_name") %></td>
        <td class="px-4 py-2">
            <span class="inline-block px-3 py-1 rounded-full text-white
bg-<%= badgeColor %>-500 text-sm capitalize shadow-sm">
                <%= status %>
            </span>
        </td>
    </tr>
<%
    }
%>
</tbody>
</table>
</div>
</body>
</html>

```

| All Products Overview (Admin Panel) |                                    |   |        |          | <a href="#">Dashboard</a> |
|-------------------------------------|------------------------------------|---|--------|----------|---------------------------|
| ID                                  | Product Name                       | Description   | Seller | Status   |                           |
| 1                                   | Antique Violin                     | 1940s handmade violin, slight wear, vintage collectors item       | Tanvir | Sold     |                           |
| 2                                   | Brass Table Clock (Vintage)        | Made in Germany, hand-wound mechanism, still working              | Tanvir | Approved |                           |
| 3                                   | Old Transistor Radio               | 1980s portable radio, working condition, very rare                | Mahfuz | Pending  |                           |
| 4                                   | Vintage Film Camera                | Kodak Brownie model, collectable item, lens in good shape         | Mahfuz | Pending  |                           |
| 5                                   | Classic Leather Briefcase          | Real leather, pre-owned, from 1970s, great condition              | Rashed | Pending  |                           |
| 6                                   | Coin Collection Set                | 10 rare Indian & Bangladeshi coins from 1950-1971                 | Rashed | Pending  |                           |
| 7                                   | Hand-Painted Scroll Art            | Traditional Bengali scroll painting (patachitra style), 2ft x 1ft | Mamun  | Pending  |                           |
| 8                                   | Small Brass Telescope (Decorative) | Table-top collectible telescope, handmade finish                  | Mamun  | Pending  |                           |
| 9                                   | Vintage Projector                  | Manual reel film projector, slightly damaged, for decor           | Shahin | Pending  |                           |
| 10                                  | Old Sewing Machine                 | Singer brand 1965 hand-crank sewing machine, still operational    | Shahin | Pending  |                           |
| 11                                  | Vintage Gramophone Record          | Original Rabindranath Tagore songs record, shellac disc           | Joy    | Sold     |                           |

[View All Products](#)

## ➤ userRequest.jsp

```
<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    Connection conn = DBConnection.getConnection();
    Statement stmt = conn.createStatement();
    ResultSet rs = stmt.executeQuery("SELECT * FROM users WHERE status =
'pending'");
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>User Requests - Admin Panel</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap"
rel="stylesheet">
    <style>
        body { font-family: 'Poppins', sans-serif; }
    </style>
</head>
<body class="bg-gray-100 p-6 min-h-screen">
    <!-- Header with Back Button -->
    <div class="flex justify-between items-center mb-6">
        <div class="flex items-center gap-3">
            <svg xmlns="http://www.w3.org/2000/svg" class="h-8 w-8 text-blue-600"
fill="none" viewBox="0 0 24 24" stroke="currentColor">
                <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M12 8c1.104 0 2-.672 2-1.5S13.104 5 12 5s-2 .672-2 1.5S10.896 8 12
8zm0 2c-2.209 0-4 1.791-4 4h2a2 2 0 114 0h2c0-2.209-1.791-4-4-4z" />
            </svg>
            <h1 class="text-3xl font-bold text-gray-800">Pending User Request</h1>
        </div>
        <a href="dashboard.jsp" class="inline-flex items-center bg-blue-600
hover:bg-blue-700 text-white px-4 py-2 rounded transition">
            <svg xmlns="http://www.w3.org/2000/svg" class="h-5 w-5" fill="none"
viewBox="0 0 24 24" stroke="currentColor">
                <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M15 19l-7-7 7-7" />
            </svg>
            Back to Dashboard
        </a>
    </div>
    <!-- Highlighted Info -->
    <div class="bg-yellow-100 border-1-4 border-yellow-500 text-yellow-700 p-4
rounded mb-6">
        <div class="flex items-center gap-2">
            <svg xmlns="http://www.w3.org/2000/svg" class="h-5 w-5 text-yellow-
600" fill="none" viewBox="0 0 24 24" stroke="currentColor">
                <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M13 16h-1v-4h-1m1-4h.01M12 20h.01M4 4l16 16" />
            </svg>
            <p class="text-sm font-medium">
```

This feature is currently <strong>under development</strong>. Check back later or contact admin if urgent.

```

    </p>
  </div>
</div>
<!-- Requests Table -->
<div class="bg-white p-4 shadow-xl rounded-lg">
  <table class="min-w-full text-sm text-left">
    <thead class="bg-indigo-100 text-gray-700 uppercase">
      <tr>
        <th class="px-4 py-2">ID</th>
        <th class="px-4 py-2">Name</th>
        <th class="px-4 py-2">Email</th>
        <th class="px-4 py-2">Role</th>
        <th class="px-4 py-2">Wallet</th>
        <th class="px-4 py-2">Action</th>
      </tr>
    </thead>
    <tbody class="bg-white text-gray-800">
      <%
        while(rs.next()) {
          int id = rs.getInt("id");
          String name = rs.getString("name");
          String email = rs.getString("email");
          String role = rs.getString("role");
          double wallet = rs.getDouble("wallet");

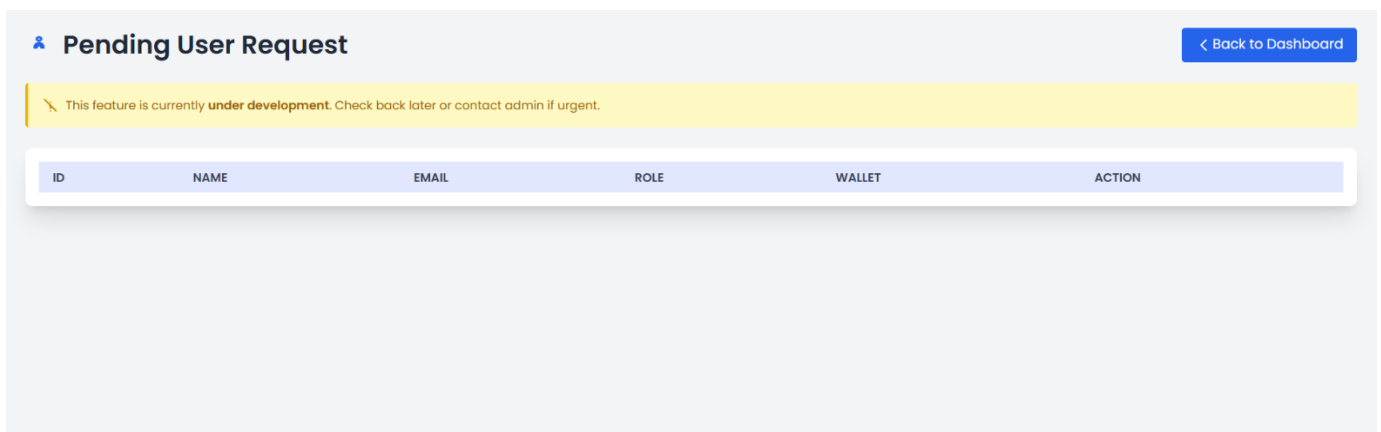
          String badgeColor = role.equals("seller") ? "bg-red-200
text-red-800" : "bg-green-200 text-green-800";
          %>
          <tr class="border-t hover:bg-gray-50 transition">
            <td class="px-4 py-2"><%= id %></td>
            <td class="px-4 py-2"><%= name %></td>
            <td class="px-4 py-2"><%= email %></td>
            <td class="px-4 py-2">
              <span class="px-2 py-1 rounded text-xs font-semibold <%=
badgeColor %>"><%= role %></span>
            </td>
            <td class="px-4 py-2"><%= wallet %></td>
            <td class="px-4 py-2 flex gap-2">
              <!-- Approve Button -->
              <form action="UpdateUserStatusServlet" method="post">
                <input type="hidden" name="id" value="<%= id %>">
                <input type="hidden" name="status" value="active">
                <button type="submit" class="flex items-center gap-1
bg-green-500 text-white px-3 py-1 rounded hover:bg-green-600 transition">
                  <svg xmlns="http://www.w3.org/2000/svg" class="h-4
w-4" fill="none" viewBox="0 0 24 24" stroke="currentColor">
                    <path stroke-linecap="round" stroke-
linejoin="round" stroke-width="2" d="M5 13l4 19 7" />
                  </svg>
                  Approve
                </button>
              </form>
              <!-- Reject Button -->

```

```

        <form action="UpdateUserStatusServlet" method="post">
            <input type="hidden" name="id" value="<%= id %>">
            <input type="hidden" name="status" value="blocked">
            <button type="submit" class="flex items-center gap-1
bg-red-500 text-white px-3 py-1 rounded hover:bg-red-600 transition">
                <svg xmlns="http://www.w3.org/2000/svg" class="h-4
w-4" fill="none" viewBox="0 0 24 24" stroke="currentColor">
                    <path stroke-linecap="round" stroke-
linejoin="round" stroke-width="2" d="M6 18L18 6M6 6l12 12" />
                </svg>
                Reject
            </button>
        </form>
    </td>
</tr>
<% } %>
</tbody>
</table>
</div>
</body>
</html>

```



## User Register request

### ➤ transactions.jsp

```

<%@ page import="java.sql.*, java.text.SimpleDateFormat,
com.auction.util.DBConnection" %>
<%
    Connection conn = DBConnection.getConnection();
    Statement stmt = conn.createStatement();
    ResultSet rs = stmt.executeQuery("SELECT * FROM transactions ORDER BY
transaction_time DESC");
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>All Transactions - SmartBid Admin</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap"
rel="stylesheet">

```

```

<style>
  body {
    font-family: 'Poppins', sans-serif;
  }
</style>
</head>
<body class="bg-gradient-to-br from-gray-100 to-gray-200 p-6 min-h-screen">
  <!-- Header with Back Button -->
  <div class="flex justify-between items-center mb-6">
    <div class="flex items-center gap-3">
      <svg xmlns="http://www.w3.org/2000/svg" class="h-8 w-8 text-blue-600"
fill="none" viewBox="0 0 24 24" stroke="currentColor">
        <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M12 8c1.104 0 2-.672 2-1.5S13.104 5 12 5s-2 .672-2 1.5S10.896 8 12
8zm0 2c-2.209 0-4 1.791-4 4h2a2 2 0 114 0h2c0-2.209-1.791-4-4-4z" />
      </svg>
      <h1 class="text-3xl font-bold text-gray-800">All Transactions</h1>
    </div>
    <a href="dashboard.jsp" class="inline-flex items-center bg-blue-600
hover:bg-blue-700 text-white px-4 py-2 rounded transition">
      <svg xmlns="http://www.w3.org/2000/svg" class="h-5 w-5" fill="none"
viewBox="0 0 24 24" stroke="currentColor">
        <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M15 19l-7-7 7-7" />
      </svg>
      Back to Dashboard
    </a>
  </div>
  <!-- Highlighted Info -->
  <div class="bg-yellow-100 border-1-4 border-yellow-500 text-yellow-700 p-4
rounded mb-6">
    <div class="flex items-center gap-2">
      <svg xmlns="http://www.w3.org/2000/svg" class="h-5 w-5 text-yellow-
600" fill="none" viewBox="0 0 24 24" stroke="currentColor">
        <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M13 16h-1v-4h-1m1-4h.01M12 20h.01M4 4l16 16" />
      </svg>
      <p class="text-sm font-medium">
        This feature is currently <strong>under development</strong>.
        Check back later or contact admin if urgent.
      </p>
    </div>
  </div>
  <!-- Summary Cards -->
  <div class="grid grid-cols-1 md:grid-cols-3 gap-6 mb-6">
    <div class="bg-white p-5 shadow rounded-lg flex items-center gap-4">
      <div class="bg-blue-100 p-3 rounded-full">
        <svg xmlns="http://www.w3.org/2000/svg" class="w-6 h-6 text-blue-
600" fill="none" viewBox="0 0 24 24" stroke="currentColor">
          <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M3 10h2l1 2h13l1-2h2M5 10h14M8 16h8m-4-6v6" />
        </svg>
      </div>
      <div>
        <p class="text-gray-600 text-sm">Total Transactions</p>

```



```


        <p class="text-2xl font-bold text-blue-600">123</p>
    </div>
</div>
<div class="bg-white p-5 shadow rounded-lg flex items-center gap-4">
    <div class="bg-green-100 p-3 rounded-full">
        <svg xmlns="http://www.w3.org/2000/svg" class="w-6 h-6 text-green-600" fill="none" viewBox="0 0 24 24" stroke="currentColor">
            <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M12 8c-1.333 0-2 .667-2 2s.667 2 2 2-.667 2-2 .667-2-2-2z" />
        </svg>
    </div>
    <div>
        <p class="text-gray-600 text-sm">Total Earnings</p>
        <p class="text-2xl font-bold text-green-600">1,05,000</p>
    </div>
</div>
<div class="bg-white p-5 shadow rounded-lg flex items-center gap-4">
    <div class="bg-purple-100 p-3 rounded-full">
        <svg xmlns="http://www.w3.org/2000/svg" class="w-6 h-6 text-purple-600" fill="none" viewBox="0 0 24 24" stroke="currentColor">
            <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M3 10h2l1 2h13l1-2h2M5 10h14M8 16h8m-4-6v6" />
        </svg>
    </div>
    <div>
        <p class="text-gray-600 text-sm">Last 24 Hours</p>
        <p class="text-2xl font-bold text-purple-600">15,000</p>
    </div>
</div>
</div>
<!-- Transactions Table -->
<div class="bg-white shadow-md rounded-lg overflow-x-auto">
    <table class="min-w-full text-sm text-left">
        <thead class="bg-blue-100 text-gray-700 uppercase">
            <tr>
                <th class="px-4 py-3">Txn ID</th>
                <th class="px-4 py-3">Product ID</th>
                <th class="px-4 py-3">Buyer</th>
                <th class="px-4 py-3">Seller</th>
                <th class="px-4 py-3">Amount</th>
                <th class="px-4 py-3">Time</th>
                <th class="px-4 py-3">Status</th>
            </tr>
        </thead>
        <tbody class="text-gray-800 bg-white">
            <%
                while(rs.next()) {
                    int txnId = rs.getInt("id");
                    int productId = rs.getInt("product_id");
                    int buyerId = rs.getInt("buyer_id");
                    int sellerId = rs.getInt("seller_id");
                    double amount = rs.getDouble("amount");
                    Timestamp txnTime = rs.getTimestamp("transaction_time");
                    String status = rs.getString("status");
            </%

```


```


        String colorClass = status.equalsIgnoreCase("success") ?
"text-green-600" :
        status.equalsIgnoreCase("failed") ?
"text-red-600" : "text-yellow-600";
        %>
        <tr class="border-t hover:bg-gray-50 transition">
            <td class="px-4 py-2"><%= txnId %></td>
            <td class="px-4 py-2"><%= productId %></td>
            <td class="px-4 py-2">Buyer#<%= buyerId %></td>
            <td class="px-4 py-2">Seller#<%= sellerId %></td>
            <td class="px-4 py-2 font-medium text-blue-700"><%= amount
%></td>
            <td class="px-4 py-2"><%= new SimpleDateFormat("dd MMM yyyy,
hh:mm a").format(txnTime) %></td>
            <td class="px-4 py-2 font-semibold <%= colorClass %>"><%=
status %></td>
        </tr>
        <% } %>
    </tbody>
</table>
</div>
</body>
</html>

```



**All Transactions**

[Back to Dashboard](#)



 This feature is currently **under development**. Check back later or contact admin if urgent.



Total Transactions  
**123**



Total Earnings  
**1,05,000**



Last 24 Hours  
**15,000**

| TXN ID | PRODUCT ID | BUYER | SELLER | AMOUNT | TIME | STATUS |
|--------|------------|-------|--------|--------|------|--------|
|--------|------------|-------|--------|--------|------|--------|

## All Transactions

### ➤ blockedUsers.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%@ page session="true" %>
<%
    Connection conn = DBConnection.getConnection();
    Statement stmt = conn.createStatement();
    ResultSet rs = stmt.executeQuery("SELECT * FROM users WHERE role IN ('buyer',
'seller')");
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Manage Users - SmartBid Admin</title>

```

```

<script src="https://cdn.tailwindcss.com"></script>
<link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap"
rel="stylesheet">
<style>
    body {
        font-family: 'Poppins', sans-serif;
    }
</style>
</head>
<body class="bg-gradient-to-br from-blue-100 to-purple-100 min-h-screen p-6">
    <div class="max-w-6xl mx-auto bg-white shadow-2xl rounded-xl p-8">
        <div class="flex items-center justify-between mb-6">
            <h2 class="text-3xl font-bold text-blue-700">
                <svg xmlns="http://www.w3.org/2000/svg" class="inline w-6 h-6
text-blue-600 mr-2" fill="none" viewBox="0 0 24 24" stroke="currentColor">
                    <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M5.121 17.804A8.96 8.96 0 0112 15c2.136 0 4.09 7.47 5.607 1.99M15 11a3
3 0 11-6 0 3 3 0 16 0zm2.93 6.588a2 2 0 012.828 2.829l-.586.586a2 2 0 01-2.828-
2.829l.586-.586z" />
                </svg>
                Manage Users (Block/Unblock)
            </h2>
            <a href="dashboard.jsp" class="bg-blue-600 text-white px-4 py-2
rounded-lg hover:bg-blue-700 transition duration-300 text-sm flex items-center
gap-1 shadow">
                <svg xmlns="http://www.w3.org/2000/svg" class="w-5 h-5"
fill="none" viewBox="0 0 24 24" stroke="currentColor">
                    <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M3 10h11M9 21V3m0 0L5 7m4-4l4 4" />
                </svg>
                Dashboard
            </a>
        </div>
        <div class="overflow-x-auto">
            <table class="min-w-full border border-gray-200 rounded-lg overflow-
hidden shadow-sm">
                <thead class="bg-blue-100 text-gray-800 text-sm font-semibold">
                    <tr>
                        <th class="px-4 py-3 text-left">#ID</th>
                        <th class="px-4 py-3 text-left">Name</th>
                        <th class="px-4 py-3 text-left">Email</th>
                        <th class="px-4 py-3 text-left">Role</th>
                        <th class="px-4 py-3 text-left">Status</th>
                        <th class="px-4 py-3 text-left">Action</th>
                    </tr>
                </thead>
                <tbody class="text-sm text-gray-700 bg-white">
                    <%
                    while(rs.next()) {
                        int id = rs.getInt("id");
                        String name = rs.getString("name");
                        String email = rs.getString("email");
                        String role = rs.getString("role");
                        String status = rs.getString("status");

```

```

%>
<tr class="border-t border-gray-200 hover:bg-gray-50
transition">
    <td class="px-4 py-2"><%= id %></td>
    <td class="px-4 py-2"><%= name %></td>
    <td class="px-4 py-2"><%= email %></td>
    <td class="px-4 py-2 capitalize"><%= role %></td>
    <td class="px-4 py-2 font-medium">
        <span class="<%= status.equals("active") ? "text-
green-600" : "text-red-600" %>">
            <%= status %>
        </span>
    </td>
    <td class="px-4 py-2">
        <form
action="<%=request.getContextPath()%>/UpdateUserStatusServlet" method="post">
            <input type="hidden" name="id" value="<%= id %>"
/>
            <input type="hidden" name="status" value="<%=
status.equals("active") ? "blocked" : "active" %>" />
            <button type="submit" class="flex items-center
gap-1 bg-blue-500 text-white px-3 py-1 rounded hover:bg-blue-600 transition
duration-300 text-sm">
                <%= status.equals("active") ? "Block" :
"Unblock" %>
                <% if(status.equals("active")) { %>
                    <!-- Block icon -->
                    <svg xmlns="http://www.w3.org/2000/svg"
class="w-4 h-4" fill="none" viewBox="0 0 24 24" stroke="currentColor">
                        <path stroke-linecap="round" stroke-
linejoin="round" stroke-width="2" d="M18.364 5.636a9 9 0 010 12.728M5.636 18.364a9
9 0 0112.728-12.728M9 15l6-6"/>
                    </svg>
                <% } else { %>
                    <!-- Unblock icon -->
                    <svg xmlns="http://www.w3.org/2000/svg"
class="w-4 h-4" fill="none" viewBox="0 0 24 24" stroke="currentColor">
                        <path stroke-linecap="round" stroke-
linejoin="round" stroke-width="2" d="M5 13l4 4l19 7" />
                    </svg>
                <% } %>
            </button>
        </form>
    </td>
</tr>
<% } %>
</tbody>
</table>
</div>
</div>
</body>
</html>

```

| Manage Users (Block/Unblock) |        |                  |        |         |           | Dashboard |
|------------------------------|--------|------------------|--------|---------|-----------|-----------|
| #ID                          | Name   | Email            | Role   | Status  | Action    |           |
| 1                            | Tanvir | tanvir@gmail.com | Seller | blocked | Unblock ✓ |           |
| 2                            | Mahfuz | mahfuz@gmail.com | Seller | active  | Block     |           |
| 3                            | Rashed | rashed@gmail.com | Seller | blocked | Unblock ✓ |           |
| 4                            | Mamun  | mamun@gmail.com  | Seller | active  | Block     |           |
| 5                            | Shahin | shahin@gmail.com | Seller | blocked | Unblock ✓ |           |
| 6                            | Arif   | arif@gmail.com   | Buyer  | active  | Block     |           |
| 7                            | Jamil  | jamil@gmail.com  | Buyer  | active  | Block     |           |
| 8                            | Nasir  | nasir@gmail.com  | Buyer  | active  | Block     |           |
| 9                            | Rifat  | rifat@gmail.com  | Buyer  | active  | Block     |           |
| 10                           | Sabbir | sabbir@gmail.com | Buyer  | active  | Block     |           |
| 11                           | Joy    | joy@gmail.com    | Seller | active  | Block     |           |
| 12                           | Nirob  | nirob@gmail.com  | Buyer  | active  | Block     |           |

## Manage Users Block/Unblock

### ➤ viewAllAuction.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%@ page session="true" %>
<%
    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement("SELECT p.id, p.name, p.status
FROM products p WHERE p.status = 'approved'");
    ResultSet rs = ps.executeQuery();
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Approved Auction Products - Admin</title>
    <script src="https://cdn.tailwindcss.com"></script>
</head>
<body class="bg-gray-100 min-h-screen py-10 px-6">
    <div class="max-w-6xl mx-auto bg-white p-8 rounded-xl shadow-lg relative">
        <!-- Dashboard Button (Top-Right Corner) -->
        <div class="absolute top-6 right-6">
            <a href="dashboard.jsp" class="bg-blue-600 hover:bg-blue-700 text-white px-4 py-2 rounded-lg shadow flex items-center gap-2 text-sm transition">
                <svg xmlns="http://www.w3.org/2000/svg" class="w-5 h-5 fill="none" viewBox="0 0 24 24" stroke="currentColor">
                    <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M3 10h11M9 21V3m0 0L5 7m4-4l4 4" />
                </svg>
                Dashboard
            </a>
        </div>
        <!-- Page Title -->
        <h2 class="text-3xl font-bold text-center text-blue-700 mb-8">
            Approved Auction Products
        </h2>
        <!-- Flash Messages -->

```

```

    <%
        String msg = request.getParameter("msg");
        String error = request.getParameter("error");
        if (msg != null) {
    %>
        <div class="bg-green-100 border border-green-300 text-green-800 p-4
mb-6 rounded">
            <%= msg %>
        </div>
    <%
        } else if (error != null) {
    %>
        <div class="bg-red-100 border border-red-300 text-red-800 p-4 mb-6
rounded">
            <%= error %>
        </div>
    <%
        }
    %>
    <!-- Data Table -->
    <div class="overflow-x-auto">
        <table class="min-w-full bg-white border border-gray-300 rounded-lg">
            <thead>
                <tr class="bg-blue-50 text-blue-800 text-left text-sm font-
semibold">
                    <th class="py-3 px-5 border-b">Product ID</th>
                    <th class="py-3 px-5 border-b">Product Name</th>
                    <th class="py-3 px-5 border-b">Status</th>
                    <th class="py-3 px-5 border-b">Action</th>
                </tr>
            </thead>
            <tbody class="text-gray-700 text-sm">
                <%
                    boolean hasData = false;
                    while (rs.next()) {
                        hasData = true;
                        int pid = rs.getInt("id");
                        String pname = rs.getString("name");
                        String status = rs.getString("status");
                %>
                <tr class="border-t hover:bg-gray-50 transition">
                    <td class="py-3 px-5"><%= pid %></td>
                    <td class="py-3 px-5"><%= pname %></td>
                    <td class="py-3 px-5 capitalize"><%= status %></td>
                    <td class="py-3 px-5">
                        <a
href="<%=request.getContextPath()%>/WinnerDeclareServlet?product_id=<%= pid %>"
onclick="return confirm('Are you sure you want to
declare the winner for this product?')"
class="bg-green-600 hover:bg-green-700 text-white
px-4 py-2 rounded shadow text-sm font-medium transition">
                            Declare Winner
                        </a>
                    </td>
                </tr>
            </tbody>
        </table>
    </div>

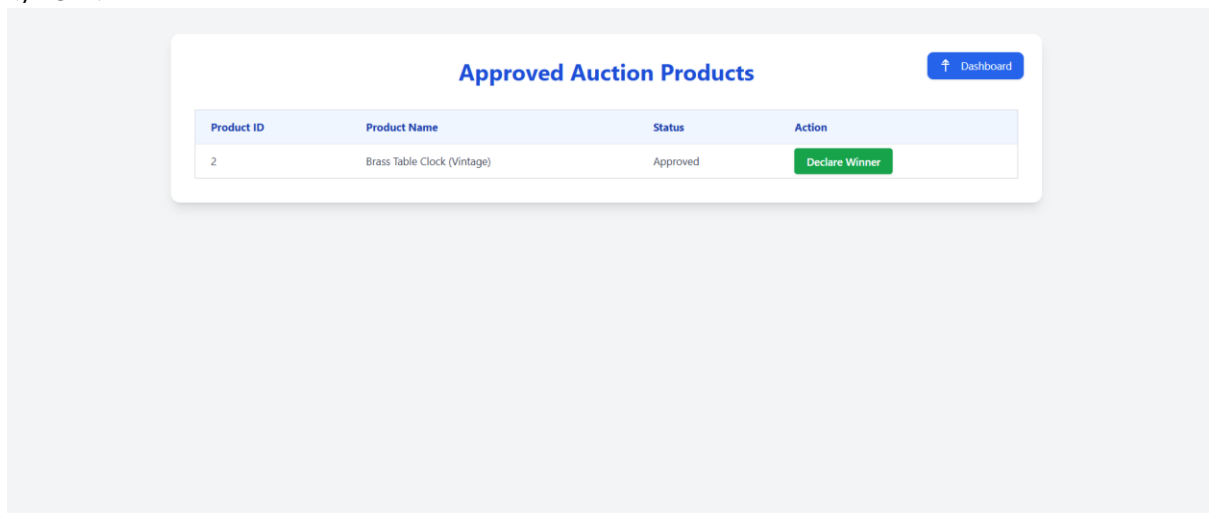
```

```

        <% } %>

        <% if (!hasData) { %>
        <tr>
            <td colspan="4" class="text-center text-gray-500 py-6">No
approved auction products found.</td>
        </tr>
        <% } %>
    </tbody>
</table>
</div>
</div>
</body>
</html>

```



## Declear Winner

### ➤ viewWinners.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%
    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement(
        "SELECT aw.id, aw.product_id, aw.buyer_id, aw.winning_amount,
aw.winning_time, " +
        "    p.name AS product_name, u.name AS buyer_name " +
        "FROM auction_winners aw " +
        "JOIN products p ON aw.product_id = p.id " +
        "JOIN users u ON aw.buyer_id = u.id"
    );
    ResultSet rs = ps.executeQuery();
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Auction Winners</title>
    <script src="https://cdn.tailwindcss.com"></script>

```

```

    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=sw
ap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gradient-to-tr from-blue-50 to-white min-h-screen p-6">
<div class="max-w-7xl mx-auto bg-white shadow-xl rounded-2xl p-8">
    <!-- Header -->
    <div class="flex justify-between items-center mb-6">
        <h1 class="text-3xl font-bold text-blue-800 text-center w-full">Auction
Winners</h1>
    </div>
    <!-- Table -->
    <div class="overflow-x-auto">
        <table class="min-w-full border border-gray-200 shadow-sm rounded-lg
overflow-hidden">
            <thead class="bg-blue-600 text-white">
                <tr>
                    <th class="px-6 py-3 text-left text-sm font-semibold">#</th>
                    <th class="px-6 py-3 text-left text-sm font-
semibold">Product</th>
                    <th class="px-6 py-3 text-left text-sm font-semibold">Winner
Name</th>
                    <th class="px-6 py-3 text-left text-sm font-semibold">Winning
Amount</th>
                    <th class="px-6 py-3 text-left text-sm font-semibold">Winning
Time</th>
                </tr>
            </thead>
            <tbody class="bg-white divide-y divide-gray-100 text-sm">
                <%
                    int count = 1;
                    while (rs.next()) {
                %>
                <tr class="hover:bg-gray-50 transition duration-200">
                    <td class="px-6 py-4"><%= count++ %></td>
                    <td class="px-6 py-4 font-medium text-gray-800"><%=
rs.getString("product_name") %></td>
                    <td class="px-6 py-4 text-gray-700"><%=
rs.getString("buyer_name") %></td>
                    <td class="px-6 py-4 text-green-700 font-semibold"><%=
rs.getInt("winning_amount") %></td>
                    <td class="px-6 py-4 text-gray-600"><%=
rs.getString("winning_time") %></td>
                </tr>
                <%
                    }
                %>
            </tbody>
        </table>
    </div>

```



```
<div class="px-6 py-4 bg-gray-50 text-center text-sm text-gray-500">
    @ <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
</div>
</div>
</body>
</html>
```

| Auction Winners                                   |                           |             |                |                     |
|---|---------------------------|-------------|----------------|---------------------|
| #   | Product                   | Winner Name | Winning Amount | Winning Time        |
| 1   | Vintage Gramophone Record | Jamil       | \$350          | 2025-06-04 23:15:50 |
| 2   | Antique Violin            | Nasir       | \$1500         | 2025-06-05 02:32:53 |
| © 2025 Smart Auction System. All rights reserved. |                           |             |                |                     |

## Auction Winner List

| Live Bidding Status                               |                 |                       |
|---|-----------------|-----------------------|
| Buyer   | Bid Amount (\$) | Time                  |
| Arif  | \$1000.0        | 2025-06-05 13:56:29.0 |
| Nirob   | \$700.0         | 2025-06-05 13:51:34.0 |
| © 2025 Smart Auction System. All rights reserved. |                 |                       |

## Live Bidding Status

## Seller Features

### ➤ dashboard.jsp

```
<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%@ page session="true" %>
<%
    // Disable browser cache to always get fresh wallet balance
    response.setHeader("Cache-Control", "no-cache, no-store, must-revalidate");
    response.setHeader("Pragma", "no-cache");
    response.setDateHeader("Expires", 0);

    String name = (String) session.getAttribute("name");
    int uid = (int) session.getAttribute("uid");

    Connection conn = DBConnection.getConnection();

    // Wallet info
    double wallet = 0.0;
    PreparedStatement psWallet = conn.prepareStatement("SELECT balance FROM
seller_wallet WHERE seller_id = ?");
    psWallet.setInt(1, uid);
    ResultSet rsWallet = psWallet.executeQuery();
    if(rsWallet.next()) {
        wallet = rsWallet.getDouble("balance");
    }

    // Seller's own approved products
    PreparedStatement ps = conn.prepareStatement("SELECT id, name FROM products
WHERE seller_id=? AND status='approved'");
    ps.setInt(1, uid);
    ResultSet rs = ps.executeQuery();
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Seller Dashboard</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap"
rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gray-100 min-h-screen py-8 px-4 md:px-12">
    <div class="max-w-7xl mx-auto bg-white p-8 rounded-xl shadow-xl space-y-10">
        <!-- Header Section -->
        <div class="flex flex-col md:flex-row justify-between items-center bg-
gradient-to-r from-pink-100 to-yellow-100 p-6 rounded-xl shadow mb-6">
            <!-- Left: Dashboard Title -->
            <div class="mb-4 md:mb-0 md:w-1/3">
```

```

        <div class="bg-white px-5 py-3 rounded-lg shadow text-left">
            <h2 class="text-2xl font-bold text-gray-800 flex items-center
gap-2">
                <svg class="w-6 h-6 text-pink-600" fill="none"
stroke="currentColor" stroke-width="2"
                    viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg">
                    <path stroke-linecap="round" stroke-linejoin="round"
                        d="M3 4a1 1 0 01-1h5.586a1 1 0 01.707.293l1.414
1.414a1 1 0 00.707.293H20a1 1 0 011v13a1 1 0 01-1 1H4a1 1 0 01-1 1V4z"/>
                </svg>
                Seller Dashboard
            </h2>
        </div>
    </div>
    <!-- Center: Welcome Message -->
    <div class="text-center md:w-1/2">
        <h1 class="text-3xl font-bold text-gray-900">
            Welcome, <span class="text-pink-600"><%= name %></span>
        </h1>
        <p class="text-gray-600 text-sm">Your product & auction control
center</p>
    </div>
</div>
<!-- Top Info Cards -->
<div class="grid grid-cols-1 md:grid-cols-3 gap-6">
    <!-- Wallet -->
    <div class="bg-green-100 border-1-4 border-green-500 p-5 rounded-lg
shadow flex flex-col">
        <h2 class="text-lg font-semibold text-green-800 mb-1">Wallet
Balance</h2>
        <p class="text-2xl font-bold text-green-700"><%=
String.format("%.2f", wallet) %></p>
    </div>

        <!-- Recharge -->
        <div class="bg-yellow-100 border-1-4 border-yellow-500 p-5 rounded-lg
shadow flex flex-col">
            <h2 class="text-lg font-semibold text-yellow-800 mb-2">Add
Money</h2>
            <a href="sellerRecharge.jsp"
                class="inline-flex items-center gap-2 bg-yellow-500 hover:bg-
yellow-600 text-white px-4 py-2 rounded shadow w-max">
                <svg class="w-5 h-5" fill="none" stroke="currentColor" stroke-
width="2"
                    viewBox="0 0 24 24"><path stroke-linecap="round" stroke-
linejoin="round" d="M12 4v16m8-8H4"/></svg>
                Recharge Wallet
            </a>
        </div>
    <!-- Logout -->
    <div class="bg-red-100 border-1-4 border-red-500 p-5 rounded-lg shadow
flex flex-col">
        <h2 class="text-lg font-semibold text-red-800 mb-2">Exit
Dashboard</h2>

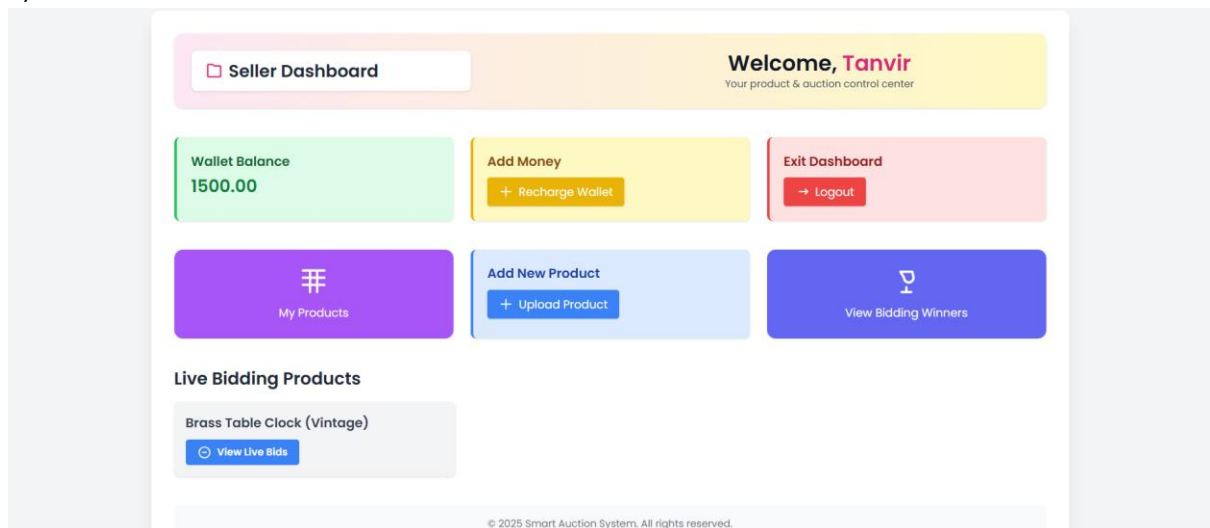
```



```

        int pid = rs.getInt("id");
        String pname = rs.getString("name");
    %>
    <div class="bg-gray-100 p-4 rounded-lg shadow hover:shadow-lg
transition">
        <h3 class="text-lg font-semibold text-gray-700 mb-2"><%= pname
%></h3>
        <a
href="<%=request.getContextPath()%>/buyer/liveBids.jsp?product_id=<%= pid %>"
class="inline-flex items-center gap-2 text-sm font-semibold
bg-blue-500 text-white px-4 py-2 rounded hover:bg-blue-600 transition">
            <svg class="w-5 h-5" fill="none" stroke="currentColor"
stroke-width="2"
viewBox="0 0 24 24"><path stroke-linecap="round"
stroke-linejoin="round"
d="M15 12H9m12 0a9 9 0 11-18 0 9 9 0 0118 0z"/></svg>
            View Live Bids
        </a>
    </div>
    <% } %>
</div>
</div>
<div class="px-6 py-4 bg-gray-50 text-center text-sm text-gray-500">
    © <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
</div>
</div>
</body>
</html>

```



## Seller Dashboard

## ➤ addProducts.jsp

```
<%@ page import="javax.servlet.http.*,javax.servlet.*" %>
<%
    int sellerId = (int) session.getAttribute("uid");
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Add Product</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Poppins Font -->
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gray-100 min-h-screen flex items-center justify-center p-6">
    <div class="bg-white shadow-2xl rounded-2xl p-10 w-full max-w-2xl">
        <!-- Header -->
        <div class="mb-8 text-center">
            <h2 class="text-3xl font-extrabold text-green-600">Add New Auction
Product</h2>
            <p class="text-gray-500 mt-2 text-sm">Fill out the form below to
submit a product for auction approval.</p>
        </div>
        <!-- Form -->
        <form action="<%=request.getContextPath()%>/AddProductServlet"
method="post" class="space-y-6">
            <input type="hidden" name="seller_id" value="<%= sellerId %>" />
            <!-- Product Name -->
            <div>
                <label class="block text-gray-700 font-semibold mb-1">Product
Name</label>
                <input type="text" name="name" required
                    class="w-full px-4 py-3 border border-gray-300 rounded-lg
focus:outline-none focus:ring-2 focus:ring-green-400 shadow-sm" />
            </div>
            <!-- Description -->
            <div>
                <label class="block text-gray-700 font-semibold mb-
1">Description</label>
                <textarea name="description" required rows="4"
                    class="w-full px-4 py-3 border border-gray-300 rounded-
lg focus:outline-none focus:ring-2 focus:ring-green-400 shadow-sm resize-none"
                    placeholder="Write a short description..."></textarea>
            </div>
            <!-- Start Price -->
            <div class="grid grid-cols-1 md:grid-cols-2 gap-4">
                <div>
```

```

        <label class="block text-gray-700 font-semibold mb-1">Start
Price ($)</label>
        <input type="number" name="start_price" step="0.01" required
            class="w-full px-4 py-3 border border-gray-300 rounded-
lg focus:outline-none focus:ring-2 focus:ring-green-400 shadow-sm" />
        </div>
        <!-- End Time -->
        <div>
            <label class="block text-gray-700 font-semibold mb-1">Auction
End Time</label>
            <input type="datetime-local" name="end_time" required
                class="w-full px-4 py-3 border border-gray-300 rounded-
lg focus:outline-none focus:ring-2 focus:ring-green-400 shadow-sm" />
            </div>
        </div>
        <!-- Submit Button -->
        <div class="text-center mt-6">
            <button type="submit"
                class="bg-green-600 hover:bg-green-700 text-white text-lg
px-8 py-3 rounded-xl shadow-lg transition">
                Submit Product
            </button>
        </div>
    </form>
</div>
</body>
</html>

```

## Add New Product

### ➤ viewMyProducts.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    // Session ???? seller_id ????? ? null check
    HttpSession sess = request.getSession(false);
    if (sess == null || sess.getAttribute("uid") == null) {
        response.sendRedirect("../login.jsp");
        return;
    }

```

```

    }

    int sellerId = (Integer) sess.getAttribute("uid");

    // ??????? seller ?? approved products load ???
    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement(
        "SELECT * FROM products WHERE status='approved' AND seller_id=?"
    );
    ps.setInt(1, sellerId);
    ResultSet rs = ps.executeQuery();
%>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>My Approved Products</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Poppins Font -->
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">

    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gray-100 p-6 min-h-screen">

    <div class="max-w-6xl mx-auto bg-white shadow-md rounded-xl p-6">
        <h2 class="text-2xl font-bold text-green-700 mb-6">My Approved Auction
Products</h2>

        <div class="overflow-x-auto">
            <table class="min-w-full border border-gray-300 rounded-lg overflow-
hidden">
                <thead class="bg-green-100 text-gray-700">
                    <tr>
                        <th class="px-4 py-2 text-left">Name</th>
                        <th class="px-4 py-2 text-left">Description</th>
                        <th class="px-4 py-2 text-left">Start Price</th>
                        <th class="px-4 py-2 text-left">End Time</th>
                        <th class="px-4 py-2 text-left">Status</th>
                    </tr>
                </thead>
                <tbody class="text-gray-700">
                    <%
                        boolean hasData = false;
                        while (rs.next()) {
                            hasData = true;
                        %>
                        <tr class="border-t border-gray-200 hover:bg-gray-50">

```



```

        <td class="px-4 py-2 font-medium"><%= rs.getString("name")
%></td>
        <td class="px-4 py-2"><%= rs.getString("description")
%></td>
        <td class="px-4 py-2">$<%= rs.getDouble("start_price")
%></td>
        <td class="px-4 py-2"><%= rs.getTimestamp("end_time")
%></td>
        <td class="px-4 py-2 text-green-600 font-
semibold">Approved</td>
    </tr>
    <%
        }
        if (!hasData) {
    %>
    <tr>
        <td colspan="5" class="text-center py-4 text-red-500">No
approved products uploaded by you yet.</td>
    </tr>
    <% } %>
</tbody>
</table>
</div>
</div>
</body>
</html>
```

| My Approved Auction Products |  |             |                       |          |
|------------------------------|--|-------------|-----------------------|----------|
| Name                         | Description  | Start Price | End Time              | Status   |
| Brass Table Clock (Vintage)  | Made in Germany, hand-wound mechanism, still working | \$400.0     | 2025-06-04 22:38:00.0 | Approved |

## Seller View Product

## Seller View Auction Winners

| Auction Winners |                           |             |                |                     |
|-----------------|---------------------------|-------------|----------------|---------------------|
| #               | Product                   | Winner Name | Winning Amount | Winning Time        |
| 1               | Vintage Gramophone Record | Jamil       | \$350          | 2025-06-04 23:15:50 |
| 2               | Antique Violin            | Nasir       | \$1500         | 2025-06-05 02:32:53 |

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| Live Bidding Status                               |                 |                       |
|---|-----------------|-----------------------|
| Buyer   | Bid Amount (\$) | Time                  |
| Arif  | \$1000.0        | 2025-06-05 13:56:29.0 |
| Nirob   | \$700.0         | 2025-06-05 13:51:34.0 |
| © 2025 Smart Auction System. All rights reserved. |                 |                       |

## Seller View Live Bidding Status

### ➤ sellerRecharge.jsp

```

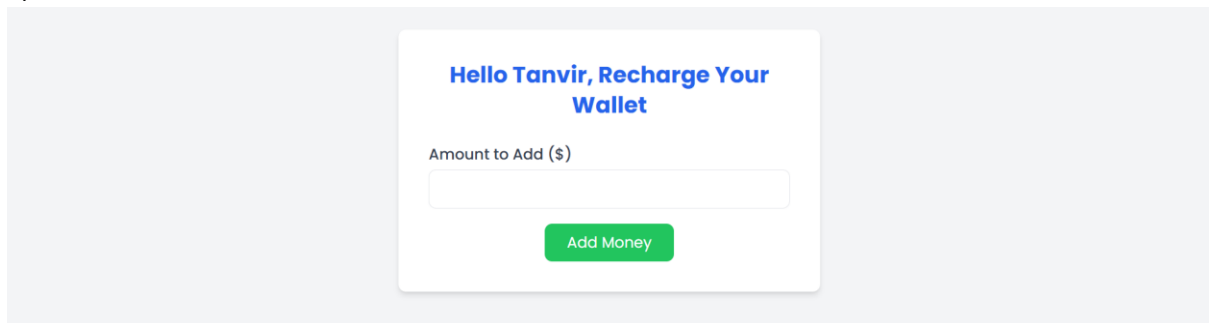
<%@ page session="true" %>
<%
    String name = (String) session.getAttribute("name");
    int uid = (int) session.getAttribute("uid");
%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Recharge Wallet</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body { font-family: 'Poppins', sans-serif; }
    </style>
</head>
<body class="bg-gray-100 flex items-center justify-center min-h-screen">
    <div class="bg-white p-8 rounded-lg shadow-md w-full max-w-md">
        <h2 class="text-2xl font-bold text-center text-blue-600 mb-6">
            Hello <%= name %>, Recharge Your Wallet
        </h2>
        <form action="<%= request.getContextPath() %>/RechargeWalletServlet"
method="post" class="space-y-4">
            <input type="hidden" name="uid" value="<%= uid %>" />
            <input type="hidden" name="role" value="seller" /> <!--? Added role --
>
            <div>
                <label class="block text-gray-700 mb-1 font-medium">Amount to Add
($)</label>
                <input type="number" name="amount" step="0.01" required
class="w-full px-4 py-2 border rounded-lg focus:outline-
none focus:ring-2 focus:ring-blue-400" />
            </div>
            <div class="text-center">
                <button type="submit"
class="bg-green-500 text-white px-6 py-2 rounded-lg
hover:bg-green-600 transition">
                    Add Money
                </button>

```

```

        </div>
    </form>
</div>
</body>
</html>

```



## Seller Recharge Wallet

## Buyer Features

### ➤ dashboard.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%@ page session="true" %>
<%
    String name = (String) session.getAttribute("name");
    int uid = (int) session.getAttribute("uid");

    Connection conn = DBConnection.getConnection();

    // Wallet info
    double wallet = 0.0;
    PreparedStatement psWallet = conn.prepareStatement("SELECT balance FROM
buyer_wallet WHERE buyer_id = ?");
    psWallet.setInt(1, uid);
    ResultSet rsWallet = psWallet.executeQuery();
    if(rsWallet.next()) {
        wallet = rsWallet.getDouble("balance");
    }

    // Approved products
    PreparedStatement ps = conn.prepareStatement("SELECT id, name FROM products
WHERE status='approved'");
    ResultSet rs = ps.executeQuery();
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Buyer Dashboard</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap"
rel="stylesheet">
    <style>

```

```

        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gray-100 min-h-screen py-8 px-4 md:px-12">
    <div class="max-w-7xl mx-auto bg-white p-8 rounded-xl shadow-xl space-y-10">
        <!-- Header Section -->
        <div class="flex flex-col md:flex-row justify-between items-center bg-gradient-to-r from-blue-100 to-purple-100 p-6 rounded-xl shadow mb-6">
            <!-- Left: Dashboard Title -->
            <div class="mb-4 md:mb-0 md:w-1/3">
                <div class="bg-white px-5 py-3 rounded-lg shadow text-left">
                    <h2 class="text-2xl font-bold text-gray-800 flex items-center gap-2">
                        <svg class="w-6 h-6 text-blue-600" fill="none"
stroke="currentColor" stroke-width="2"
viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg">
                            <path stroke-linecap="round" stroke-linejoin="round"
                                d="M3 4a1 1 0 01-1h5.586a1 1 0 01.707.293l1.414
1.414a1 1 0 00.707.293H20a1 1 0 011v13a1 1 0 01-1 1H4a1 1 0 01-1 1V4z"/>
                        </svg>
                        Buyer Dashboard
                    </h2>
                </div>
            </div>
            <!-- Center: Welcome Message -->
            <div class="text-center md:w-1/2">
                <h1 class="text-3xl font-bold text-gray-900">
                    Welcome, <span class="text-blue-600"><%= name %></span>
                </h1>
                <p class="text-gray-600 text-sm">Your personalized auction
dashboard</p>
            </div>
        </div>
        <!-- Top Info Cards -->
        <div class="grid grid-cols-1 md:grid-cols-3 gap-6">
            <!-- Wallet -->
            <div class="bg-green-100 border-1-4 border-green-500 p-5 rounded-lg shadow flex flex-col">
                <h2 class="text-lg font-semibold text-green-800 mb-1">Wallet
Balance</h2>
                <p class="text-2xl font-bold text-green-700"><%=
String.format("%.2f", wallet) %></p>
            </div>
            <!-- Recharge -->
            <div class="bg-yellow-100 border-1-4 border-yellow-500 p-5 rounded-lg shadow flex flex-col">
                <h2 class="text-lg font-semibold text-yellow-800 mb-2">Add
Money</h2>
                <a href="recharge.jsp"
                    class="inline-flex items-center gap-2 bg-yellow-500 hover:bg-
yellow-600 text-white px-4 py-2 rounded shadow w-max">

```

```

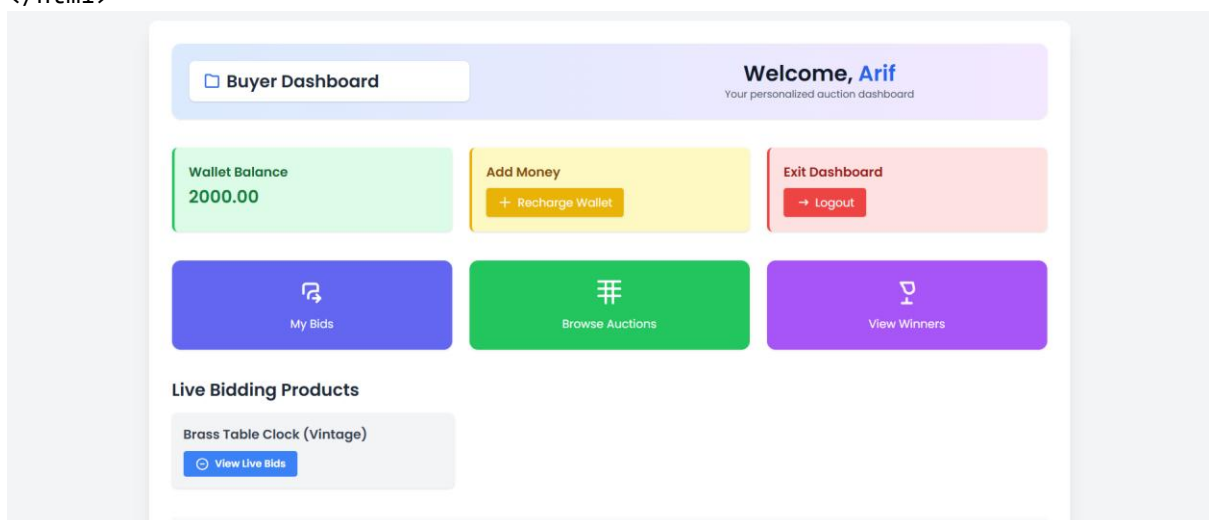
                <svg class="w-5 h-5" fill="none" stroke="currentColor" stroke-
width="2"
                    viewBox="0 0 24 24"><path stroke-linecap="round" stroke-
linejoin="round" d="M12 4v16m8-8H4"/></svg>
                Recharge Wallet
            </a>
        </div>
        <!-- Logout -->
        <div class="bg-red-100 border-l-4 border-red-500 p-5 rounded-lg shadow
flex flex-col">
            <h2 class="text-lg font-semibold text-red-800 mb-2">Exit
Dashboard</h2>
            <a href="<%= request.getContextPath() %>/logout.jsp"
                class="inline-flex items-center gap-2 bg-red-500 hover:bg-red-
600 text-white px-4 py-2 rounded shadow w-max">
                <svg class="w-5 h-5" fill="none" stroke="currentColor" stroke-
width="2"
                    viewBox="0 0 24 24"><path stroke-linecap="round" stroke-
linejoin="round" d="M17 16l4-4m0 0l-4-4m4 4H7"/></svg>
                Logout
            </a>
        </div>
    </div>
    <!-- Action Buttons -->
    <div class="grid grid-cols-1 md:grid-cols-3 gap-6">
        <a href="<%= request.getContextPath() %>/MyBidsServlet"
            class="flex flex-col items-center justify-center bg-indigo-500
text-white rounded-xl py-6 shadow hover:bg-indigo-600 transition">
            <svg class="w-10 h-10 mb-3" fill="none" stroke="currentColor"
stroke-width="2"
                viewBox="0 0 24 24"><path stroke-linecap="round" stroke-
linejoin="round"
                    d="M13 17h6m0 0l-3-3m3 3l-3 3M9 17v-2a4 4 0 014-4h4V7a2 2 0
00-2-2H7a2 2 0 00-2 2v6" /></svg>
            My Bids
        </a>
        <a href="viewProducts.jsp"
            class="flex flex-col items-center justify-center bg-green-500 text-
white rounded-xl py-6 shadow hover:bg-green-600 transition">
            <svg class="w-10 h-10 mb-3" fill="none" stroke="currentColor"
stroke-width="2"
                viewBox="0 0 24 24"><path stroke-linecap="round" stroke-
linejoin="round"
                    d="M3 3h18M9 3v18M15 3v18M3 9h18M3 15h18" /></svg>
            Browse Auctions
        </a>
        <a href=" ../admin/viewWinners.jsp"
            class="flex flex-col items-center justify-center bg-purple-500
text-white rounded-xl py-6 shadow hover:bg-purple-600 transition">
            <svg class="w-10 h-10 mb-3" fill="none" stroke="currentColor"
stroke-width="2"
                viewBox="0 0 24 24"><path stroke-linecap="round" stroke-
linejoin="round"
                    d="M8 21h8M12 17v4M7 4h10l1 5a4 4 0 01-8 0L7 4z" /></svg>
            View Winners
    </div>

```

```

        </a>
    </div>
    <!-- Approved Products -->
    <div>
        <h2 class="text-2xl font-semibold text-gray-800 mb-4">Live Bidding
Products</h2>
        <div class="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 gap-5">
            <%
                while(rs.next()) {
                    int pid = rs.getInt("id");
                    String pname = rs.getString("name");
                %>
                <div class="bg-gray-100 p-4 rounded-lg shadow hover:shadow-lg
transition">
                    <h3 class="text-lg font-semibold text-gray-700 mb-2"><%= pname
%></h3>
                    <a
href="<%=request.getContextPath()%>/buyer/liveBids.jsp?product_id=<%= pid %>"
class="inline-flex items-center gap-2 text-sm font-semibold
bg-blue-500 text-white px-4 py-2 rounded hover:bg-blue-600 transition">
                        <svg class="w-5 h-5" fill="none" stroke="currentColor"
stroke-width="2"
viewBox="0 0 24 24"><path stroke-linecap="round"
stroke-linejoin="round"
d="M15 12H9m12 0a9 9 0 11-18 0 9 9 0 0118 0z"/></svg>
                        View Live Bids
                    </a>
                </div>
            <% } %>
        </div>
    </div>
    <div class="px-6 py-4 bg-gray-50 text-center text-sm text-gray-500">
        © <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
    </div>
</div>
</body>
</html>

```



**Buyer Dashboard**

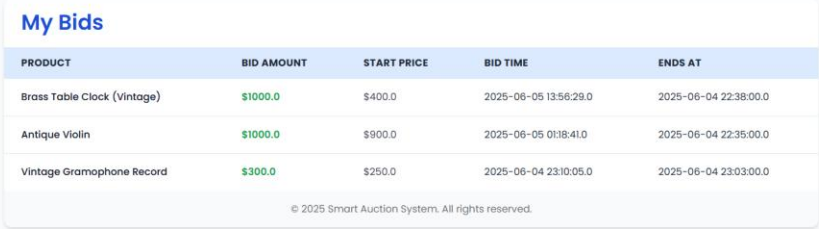
## ➤ mybids.jsp

```
<%@ page import="java.sql.*" %>
<%
    ResultSet rs = (ResultSet) request.getAttribute("bidList");
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>My Bids</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gray-50 min-h-screen py-10 px-4">
    <div class="max-w-6xl mx-auto bg-white rounded-xl shadow-md overflow-hidden">
        <div class="flex justify-between items-center px-6 py-4 border-b border-
gray-200">
            <h1 class="text-3xl font-semibold text-blue-700">My Bids</h1>
        </div>
        <div class="overflow-x-auto">
            <table class="min-w-full text-left text-gray-800">
                <thead class="bg-blue-100 text-sm uppercase font-medium tracking-
wide">
                    <tr>
                        <th class="px-6 py-3">Product</th>
                        <th class="px-6 py-3">Bid Amount</th>
                        <th class="px-6 py-3">Start Price</th>
                        <th class="px-6 py-3">Bid Time</th>
                        <th class="px-6 py-3">Ends At</th>
                    </tr>
                </thead>
                <tbody class="text-sm divide-y divide-gray-200">
                    <% while(rs != null && rs.next()) { %>
                        <tr class="hover:bg-gray-50 transition">
                            <td class="px-6 py-4 font-medium text-gray-900"><%=
rs.getString("product_name") %></td>
                            <td class="px-6 py-4 text-green-600 font-
semibold">$<%= rs.getDouble("bid_amount") %></td>
                            <td class="px-6 py-4 text-gray-700">$<%=
rs.getDouble("start_price") %></td>
                            <td class="px-6 py-4"><%= rs.getTimestamp("bid_time")
%></td>
                            <td class="px-6 py-4"><%= rs.getTimestamp("end_time")
%></td>
                        </tr>
                    <% } %>
                </tbody>
            </table>
        </div>
    </div>
</body>
```

```

        </table>
    </div>
    <div class="px-6 py-4 bg-gray-50 text-center text-sm text-gray-500">
        © <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
    </div>
</div>
</body>
</html>

```



| PRODUCT                     | BID AMOUNT | START PRICE | BID TIME              | ENDS AT               |
|-----------------------------|------------|-------------|-----------------------|-----------------------|
| Brass Table Clock (Vintage) | \$1000.0   | \$400.0     | 2025-06-06 13:56:29.0 | 2025-06-04 22:38:00.0 |
| Antique Violin              | \$1000.0   | \$900.0     | 2025-06-06 01:38:41.0 | 2025-06-04 22:35:00.0 |
| Vintage Gramophone Record   | \$300.0    | \$250.0     | 2025-06-04 23:10:05.0 | 2025-06-04 23:03:00.0 |

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## Buyer Check My Bids List

### ➤ viewProducts.jsp

```

<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement("SELECT * FROM products WHERE
status='approved'");
    ResultSet rs = ps.executeQuery();
%>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Approved Auction Products</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gradient-to-r from-blue-100 to-indigo-200 min-h-screen p-6">
    <div class="max-w-7xl mx-auto bg-white shadow-2xl rounded-3xl p-8">
        <div class="flex justify-between items-center mb-8">
            <h1 class="text-4xl font-extrabold text-blue-700">Approved Auction
Products</h1>
            <a href="dashboard.jsp" class="inline-flex items-center bg-blue-600
text-white px-5 py-2 rounded-lg hover:bg-blue-700 transition text-sm shadow-md">
                <svg xmlns="http://www.w3.org/2000/svg" class="h-5 w-5 mr-2"
fill="none" viewBox="0 0 24 24" stroke="currentColor">

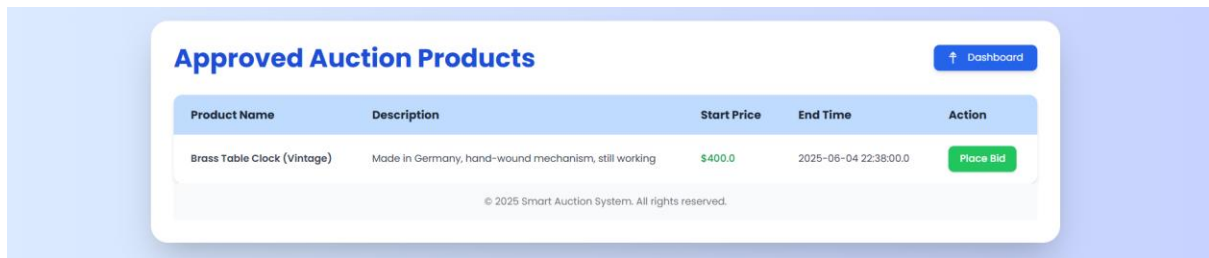
```



```

        <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M3 10h11M9 21V3m0 0L5 7m4-4l4 4" />
    </svg>
    Dashboard
</a>
</div>
<div class="overflow-x-auto rounded-xl shadow-md">
    <table class="min-w-full bg-white">
        <thead>
            <tr class="bg-blue-200 text-gray-800 text-md">
                <th class="px-6 py-4 text-left">Product Name</th>
                <th class="px-6 py-4 text-left">Description</th>
                <th class="px-6 py-4 text-left">Start Price</th>
                <th class="px-6 py-4 text-left">End Time</th>
                <th class="px-6 py-4 text-left">Action</th>
            </tr>
        </thead>
        <tbody class="text-gray-700 text-sm divide-y divide-gray-200">
            <%
                while (rs.next()) {
            %>
            <tr class="hover:bg-gray-50 transition">
                <td class="px-6 py-4 font-semibold"><%=
rs.getString("name") %></td>
                <td class="px-6 py-4"><%= rs.getString("description")
%></td>
                <td class="px-6 py-4 text-green-600 font-medium">$<%=
rs.getDouble("start_price") %></td>
                <td class="px-6 py-4"><%= rs.getTimestamp("end_time")
%></td>
                <td class="px-6 py-4">
                    <form action="placeBid.jsp" method="get">
                        <input type="hidden" name="product_id" value="<%=
rs.getInt("id") %>">
                        <button type="submit" class="bg-green-500
hover:bg-green-600 text-white font-medium px-4 py-2 rounded-lg shadow transition">
                            Place Bid
                        </button>
                    </form>
                </td>
            </tr>
            <% } %>
        </tbody>
    </table>
</div>
<div class="px-6 py-4 bg-gray-50 text-center text-sm text-gray-500">
    © <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
</div>
</div>
</body>
</html>

```



## Buyer View Bidding List

### ➤ placeBids.jsp

```
<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    int productId = Integer.parseInt(request.getParameter("product_id"));
    Integer buyerId = (Integer) session.getAttribute("uid");

    if (buyerId == null) {
        response.sendRedirect(request.getContextPath() + "/login.jsp");
        return;
    }

    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement("SELECT * FROM products WHERE
id=?");
    ps.setInt(1, productId);
    ResultSet rs = ps.executeQuery();

    if (!rs.next()) {
        out.println("<h3>Product not found.</h3>");
        return;
    }
%>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Place Bid</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gradient-to-br from-blue-100 to-purple-200 min-h-screen flex
items-center justify-center py-10 px-4">
    <div class="bg-white shadow-2xl rounded-2xl p-8 w-full max-w-2xl">
        <h2 class="text-3xl font-bold text-center text-indigo-600 mb-6">
            Place Your Bid
        </h2>
```

```

        <div class="bg-gray-50 border-1-4 border-blue-400 p-4 rounded-lg shadow-sm
mb-6">
            <h3 class="text-xl font-semibold text-gray-800 mb-2"><%=
rs.getString("name") %></h3>
            <p class="text-gray-700 mb-1"><strong>Description:</strong> <%=
rs.getString("description") %></p>
            <p class="text-gray-700 mb-1"><strong>Start Price:</strong> $<%=
rs.getDouble("start_price") %></p>
            <p class="text-gray-700"><strong>Auction Ends At:</strong> <%=
rs.getTimestamp("end_time") %></p>
        </div>
        <form action="<%= request.getContextPath() %>/PlaceBidServlet"
method="post" class="space-y-6">
            <input type="hidden" name="product_id" value="<%= productId %>" />
            <input type="hidden" name="buyer_id" value="<%= buyerId %>" />
            <div>
                <label class="block text-gray-700 font-medium mb-2">Your Bid
Amount ($)</label>
                <input type="number" name="bid_amount" step="0.01" required
class="w-full px-4 py-3 border border-gray-300 rounded-lg
focus:outline-none focus:ring-2 focus:ring-indigo-500 shadow-sm" />
            </div>
            <div class="text-center">
                <button type="submit"
class="bg-indigo-600 hover:bg-indigo-700 text-white font-
semibold px-8 py-3 rounded-lg transition-all shadow-lg hover:shadow-xl">
                    Submit Bid
                </button>
            </div>
        </form>
        <div class="px-6 py-4 mt-6 bg-gray-50 text-center text-sm text-gray-500">
            © <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
        </div>
    </div>
</body>
</html>

```

**Buyer Place Bid**

### ➤ livebids.jsp

```
<%@ page import="java.sql.*, com.auction.util.DBConnection" %>
<%
    int productId = Integer.parseInt(request.getParameter("product_id"));
    Connection conn = DBConnection.getConnection();
    PreparedStatement ps = conn.prepareStatement(
        "SELECT b.bid_amount, b.bid_time, u.name AS buyer_name FROM bids b JOIN
users u ON b.buyer_id=u.id WHERE b.product_id=? ORDER BY b.bid_amount DESC");
    ps.setInt(1, productId);
    ResultSet rs = ps.executeQuery();
%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <meta http-equiv="refresh" content="5">
    <title>Live Bids</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <!-- Google Fonts: Poppins -->
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&di
splay=swap" rel="stylesheet">
    <style>
        body {
            font-family: 'Poppins', sans-serif;
        }
    </style>
</head>
<body class="bg-gradient-to-r from-blue-50 to-blue-100 p-6 min-h-screen flex
items-center justify-center">
    <div class="w-full max-w-4xl bg-white rounded-2xl shadow-lg p-8">
        <!-- Top Section -->
        <div class="flex justify-between items-center mb-6">
            <h2 class="text-3xl font-bold text-blue-700">Live Bidding Status</h2>
            <!--
                <a href="dashboard.jsp" class="bg-blue-600 text-white px-4 py-2
rounded-lg hover:bg-blue-700 transition duration-300 text-sm flex items-center
gap-2 shadow">
                    <svg xmlns="http://www.w3.org/2000/svg" class="w-5 h-5"
fill="none" viewBox="0 0 24 24" stroke="currentColor">
                        <path stroke-linecap="round" stroke-linejoin="round" stroke-
width="2" d="M3 10h11M9 21V3m0 0L5 7m4-4L4 4" />
                    </svg>
                    Dashboard
                </a-->
        </div>

        <!-- Bids Table -->
        <div class="overflow-x-auto">
            <table class="w-full table-auto border border-gray-300 rounded-xl
overflow-hidden">
                <thead class="bg-blue-100 text-blue-900">
                    <tr>
                        <th class="px-5 py-3 text-left">Buyer</th>
                        <th class="px-5 py-3 text-left">Bid Amount ($)</th>
                        <th class="px-5 py-3 text-left">Time</th>
                    </tr>
                </thead>
            </table>
        </div>
    </div>
</body>
</html>
```

```

        </tr>
    </thead>
    <tbody class="bg-white text-gray-800">
        <%
            boolean hasBid = false;
            while (rs.next()) {
                hasBid = true;
            %>
            <tr class="border-t hover:bg-gray-50 transition">
                <td class="px-5 py-3 font-medium"><%=
rs.getString("buyer_name") %></td>
                <td class="px-5 py-3 text-green-600 font-semibold">$<%=
rs.getDouble("bid_amount") %></td>
                <td class="px-5 py-3"><%= rs.getTimestamp("bid_time")
%></td>

            </tr>
        <% } %>
        <% if (!hasBid) { %>
        <tr>
            <td colspan="3" class="text-center px-5 py-6 text-red-500
font-medium">No bids yet.</td>
        </tr>
        <% } %>
    </tbody>
</table>
</div>
<div class="px-6 py-4 bg-gray-50 text-center text-sm text-gray-500">
    © <%= java.time.Year.now() %> Smart Auction System. All rights
reserved.
</div>
</div>
</body>
</html>

```

### Live Bidding Status

| Buyer | Bid Amount (\$) | Time                  |
|-------|-----------------|-----------------------|
| Arif  | \$1000.0        | 2025-06-05 13:56:29.0 |
| Nirob | \$700.0         | 2025-06-05 13:51:34.0 |

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### Auction Winners

| # | Product                   | Winner Name | Winning Amount | Winning Time        |
|---|---------------------------|-------------|----------------|---------------------|
| 1 | Vintage Gramophone Record | Jamil       | \$350          | 2025-06-04 23:15:50 |
| 2 | Antique Violin            | Nasir       | \$1500         | 2025-06-05 02:32:53 |

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Hello Arif, Recharge Your Wallet

Amount to Add (\$)

Add Money

## Buyer Recharge Wallet

## Database Connection Backend logic

### ➤ DBConnection.java

```
package com.auction.util;
import java.sql.Connection;
import java.sql.DriverManager;
public class DBConnection {
    public static Connection getConnection() {
        Connection conn = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            conn = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/auction_db", "root", "");
        } catch (Exception e) {
            e.printStackTrace();
        }
        return conn;
    }
}
```

### ➤ AddProductServlet.java

```
package com.auction.controller;
import com.auction.util.DBConnection;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class AddProductServlet extends HttpServlet {
    protected void doPost(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {
        int sellerId = Integer.parseInt(req.getParameter("seller_id"));
        String name = req.getParameter("name");
        String desc = req.getParameter("description");
        double price = Double.parseDouble(req.getParameter("start_price"));
        String endTime = req.getParameter("end_time");
        try {
            Connection conn = DBConnection.getConnection();
            PreparedStatement ps = conn.prepareStatement(
                "INSERT INTO products(seller_id, name, description, start_price,
end_time, status) VALUES (?, ?, ?, ?, ?, ?)"
            );
        }
```

```

        ps.setInt(1, sellerId);
        ps.setString(2, name);
        ps.setString(3, desc);
        ps.setDouble(4, price);
        ps.setString(5, endTime);
        ps.setString(6, "pending");

        int i = ps.executeUpdate();
        if (i > 0) {
            res.sendRedirect("seller/dashboard.jsp?msg=success");
        } else {
            res.sendRedirect("seller/addProduct.jsp?error=1");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
}

```

### ➤ ApproveProductServlet.java

```

package com.auction.controller;
import com.auction.util.DBConnection;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class ApproveProductServlet extends HttpServlet {
    protected void doGet(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {

        String idParam = req.getParameter("id");
        String action = req.getParameter("action");

        String referer = req.getHeader("Referer");
        if (referer == null) {
            referer = "admin/dashboard.jsp"; // fallback URL
        }
        if (idParam == null || action == null) {
            res.sendRedirect(addMsgToUrl(referer, "msg=invalid_input"));
            return;
        }
        int id = Integer.parseInt(idParam);
        String status;
        if ("approve".equalsIgnoreCase(action)) {
            status = "approved";
        } else if ("reject".equalsIgnoreCase(action)) {
            status = "rejected";
        } else {
            res.sendRedirect(addMsgToUrl(referer, "msg=invalid_action"));
            return;
        }
        try (Connection conn = DBConnection.getConnection()) {

```

```

        PreparedStatement ps = conn.prepareStatement("UPDATE products SET
status=? WHERE id=?");
        ps.setString(1, status);
        ps.setInt(2, id);
        int updated = ps.executeUpdate();
        if (updated > 0) {
            res.sendRedirect(addMsgToUrl(referer, "msg=" + status));
        } else {
            res.sendRedirect(addMsgToUrl(referer, "msg=update_failed"));
        }
    } catch (Exception e) {
        e.printStackTrace();
        res.sendRedirect(addMsgToUrl(referer, "msg=exception"));
    }
}

private String addMsgToUrl(String url, String param) {
    if (url.contains("?")) {
        return url + "&" + param;
    } else {
        return url + "?" + param;
    }
}
}

```

#### ➤ **BlockUserServlet.java**

```

package com.auction.controller;
import com.auction.util.DBConnection;
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.IOException;
import java.sql.*;

public class BlockUserServlet extends HttpServlet {
    protected void doPost(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {
        int userId = Integer.parseInt(req.getParameter("id"));
        try {
            Connection conn = DBConnection.getConnection();
            PreparedStatement ps = conn.prepareStatement("UPDATE users SET
status='blocked' WHERE id=?");
            ps.setInt(1, userId);
            ps.executeUpdate();
        } catch (Exception e) {
            e.printStackTrace();
        }
        res.sendRedirect("admin/viewUsers.jsp");
    }
}

```

#### ➤ **LoginServlet.java**

```

package com.auction.controller;
import com.auction.util.DBConnection;
import java.io.*;

```



```

import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class LoginServlet extends HttpServlet {
    protected void doPost(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {
        String email = req.getParameter("email");
        String password = req.getParameter("password");
        try {
            Connection conn = DBConnection.getConnection();

            // Step 1: First check in users table
            PreparedStatement psUser = conn.prepareStatement(
                "SELECT * FROM users WHERE email=? AND password=?"
            );
            psUser.setString(1, email);
            psUser.setString(2, password);
            ResultSet rsUser = psUser.executeQuery();

            if (rsUser.next()) {
                String status = rsUser.getString("status");

                if ("pending".equalsIgnoreCase(status)) {
                    res.sendRedirect("login.jsp?error=pending");
                    return;
                } else if ("blocked".equalsIgnoreCase(status)) {
                    res.sendRedirect("login.jsp?error=blocked");
                    return;
                }

                HttpSession session = req.getSession();
                session.setAttribute("uid", rsUser.getInt("id"));
                session.setAttribute("role", rsUser.getString("role"));
                session.setAttribute("name", rsUser.getString("name"));

                String role = rsUser.getString("role");
                if (role.equalsIgnoreCase("buyer")) {
                    res.sendRedirect("buyer/dashboard.jsp");
                } else if (role.equalsIgnoreCase("seller")) {
                    res.sendRedirect("seller/dashboard.jsp");
                } else {
                    // Just in case any other role found
                    res.sendRedirect("login.jsp?error=unauthorized");
                }
            } else {
                // Step 2: If not found in users, check in admins table
                PreparedStatement psAdmin = conn.prepareStatement(
                    "SELECT * FROM admins WHERE email=? AND password=? AND
status='active'"
                );
                psAdmin.setString(1, email);
                psAdmin.setString(2, password);
                ResultSet rsAdmin = psAdmin.executeQuery();
            }
        }
    }
}

```

```

        if (rsAdmin.next()) {
            HttpSession session = req.getSession();
            session.setAttribute("admin_id", rsAdmin.getInt("id"));
            session.setAttribute("admin_name", rsAdmin.getString("name"));
            res.sendRedirect("admin/dashboard.jsp");
        } else {
            res.sendRedirect("login.jsp?error=invalid");
        }
    }

} catch (Exception e) {
    e.printStackTrace();
    res.sendRedirect("login.jsp?error=server");
}
}
}

```

### ➤ **MyBidsServlet.java**

```

package com.auction.controller;
import com.auction.util.DBConnection;
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.*;
import java.sql.*;
import java.util.*;

public class MyBidsServlet extends HttpServlet {
    protected void doGet(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {

        HttpSession session = req.getSession(false);
        int buyerId = (int) session.getAttribute("uid");

        try {
            Connection conn = DBConnection.getConnection();
            PreparedStatement ps = conn.prepareStatement(
                "SELECT b.*, p.name AS product_name, p.end_time, p.start_price " +
                "FROM bids b JOIN products p ON b.product_id = p.id " +
                "WHERE b.buyer_id = ? ORDER BY b.bid_time DESC");
            ps.setInt(1, buyerId);
            ResultSet rs = ps.executeQuery();

            req.setAttribute("bidList", rs);
            RequestDispatcher rd = req.getRequestDispatcher("buyer/mybids.jsp");
            rd.forward(req, res);

        } catch (Exception e) {
            e.printStackTrace();
            res.sendRedirect("buyer/dashboard.jsp?msg=error");
        }
    }
}

```

### ➤ PlaceBidServlet.java

```
package com.auction.controller;
import com.auction.util.DBConnection;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class PlaceBidServlet extends HttpServlet {
    protected void doPost(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {

        try {
            int productId = Integer.parseInt(req.getParameter("product_id"));
            int buyerId = Integer.parseInt(req.getParameter("buyer_id"));
            double bidAmount = Double.parseDouble(req.getParameter("bid_amount"));

            Connection conn = DBConnection.getConnection();

            PreparedStatement ps = conn.prepareStatement(
                "INSERT INTO bids(product_id, buyer_id, bid_amount) VALUES (?, ?, ?)");

            ps.setInt(1, productId);
            ps.setInt(2, buyerId);
            ps.setDouble(3, bidAmount);

            int i = ps.executeUpdate();

            if (i > 0) {
                res.sendRedirect(req.getContextPath() +
                    "/buyer/dashboard.jsp?msg=bid_success");
            } else {
                res.sendRedirect(req.getContextPath() +
                    "/buyer/placeBid.jsp?error=insert_failed");
            }

        } catch (Exception e) {
            e.printStackTrace();
            res.sendRedirect(req.getContextPath() +
                "/buyer/placeBid.jsp?error=exception");
        }
    }
}
```

### ➤ RechargeWalletServlet.java

```
package com.auction.controller;
import com.auction.util.DBConnection;
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.IOException;
import java.sql.*;
```

```

public class RechargeWalletServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        try {
            int uid = Integer.parseInt(request.getParameter("uid"));
            double amount = Double.parseDouble(request.getParameter("amount"));
            String role = request.getParameter("role");

            // Validation fallback
            if (role == null || (!role.equalsIgnoreCase("buyer") &&
!role.equalsIgnoreCase("seller"))) {
                response.sendRedirect("index.jsp?error=Invalid+Role");
                return;
            }

            String tableName = role.equalsIgnoreCase("seller") ? "seller_wallet" :
"buyer_wallet";
            String columnName = role.equalsIgnoreCase("seller") ? "seller_id" :
"buyer_id";
            String redirectSuccess = role.equalsIgnoreCase("seller") ?
"seller/dashboard.jsp" : "buyer/dashboard.jsp";
            String redirectFail = role.equalsIgnoreCase("seller") ?
"seller/recharge.jsp" : "buyer/recharge.jsp";

            try (Connection conn = DBConnection.getConnection()) {

                // First check if wallet entry exists
                String checkSql = "SELECT * FROM " + tableName + " WHERE " +
columnName + " = ?";
                PreparedStatement checkStmt = conn.prepareStatement(checkSql);
                checkStmt.setInt(1, uid);
                ResultSet rs = checkStmt.executeQuery();

                if (!rs.next()) {
                    // Insert if not exists
                    String insertSql = "INSERT INTO " + tableName + " (" +
columnName + ", balance) VALUES (?, ?)";
                    PreparedStatement insertStmt =
conn.prepareStatement(insertSql);
                    insertStmt.setInt(1, uid);
                    insertStmt.setDouble(2, amount);
                    insertStmt.executeUpdate();
                } else {
                    // Update balance
                    String updateSql = "UPDATE " + tableName + " SET balance =
balance + ? WHERE " + columnName + " = ?";
                    PreparedStatement updateStmt =
conn.prepareStatement(updateSql);
                    updateStmt.setDouble(1, amount);
                    updateStmt.setInt(2, uid);
                    updateStmt.executeUpdate();
                }
            }
        }
    }
}

```

```

        response.sendRedirect(redirectSuccess +
"?msg=Wallet+recharged+successfully");
    }

    } catch (Exception e) {
        e.printStackTrace();
        // If anything fails
        String role = request.getParameter("role");
        String redirectFail = "index.jsp";
        if ("seller".equalsIgnoreCase(role)) {
            redirectFail = "seller/sellerRecharge.jsp";
        } else if ("buyer".equalsIgnoreCase(role)) {
            redirectFail = "buyer/recharge.jsp";
        }
        response.sendRedirect(redirectFail + "?error=Exception+Occurred");
    }
}
}

```

### ➤ RegisterServlet.java

```

package com.auction.controller;
import com.auction.util.DBConnection;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class RegisterServlet extends HttpServlet {
    protected void doPost(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {

        // Input
        String name = req.getParameter("name");
        String email = req.getParameter("email");
        String password = req.getParameter("password");
        String role = req.getParameter("role");

        try {
            // DB
            Connection conn = DBConnection.getConnection();

            // SQL Query
            PreparedStatement ps = conn.prepareStatement(
                "INSERT INTO users(name, email, password, role, status) VALUES (?,
?, ?, ?, 'active')");
            ps.setString(1, name);
            ps.setString(2, email);
            ps.setString(3, password);
            ps.setString(4, role);

            int i = ps.executeUpdate();

            if (i > 0) {

```

```

        res.sendRedirect("register.jsp?success=1");
    } else {
        res.sendRedirect("register.jsp?error=1");
    }

    } catch (Exception e) {
        e.printStackTrace();
        res.sendRedirect("register.jsp?error=1");
    }
}
}
}

```

### ➤ UpdateUsersStatusServlet.java

```

package com.auction.controller;
import com.auction.util.DBConnection;
import java.io.IOException;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class UpdateUserStatusServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException {

        try {
            int userId = Integer.parseInt(request.getParameter("id"));
            String status = request.getParameter("status");

            System.out.println("Updating user id: " + userId + " to status: " +
status);

            Connection conn = DBConnection.getConnection();
            PreparedStatement ps = conn.prepareStatement("UPDATE users SET
status=? WHERE id=?");
            ps.setString(1, status);
            ps.setInt(2, userId);
            int i = ps.executeUpdate();

            if (i > 0) {
                response.sendRedirect("admin/blockedUsers.jsp?success=true");
            } else {
                response.sendRedirect("admin/blockedUsers.jsp?error=updatefail");
            }

        } catch (Exception e) {
            e.printStackTrace();
            response.sendRedirect("admin/blockedUsers.jsp?error=exception");
        }
    }
}

```

```
}
```

## ➤ WinnerDeclareServlet.java

```
package com.auction.controller;
import com.auction.util.DBConnection;
import java.io.IOException;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class UpdateUserStatusServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException {

        try {
            int userId = Integer.parseInt(request.getParameter("id"));
            String status = request.getParameter("status");

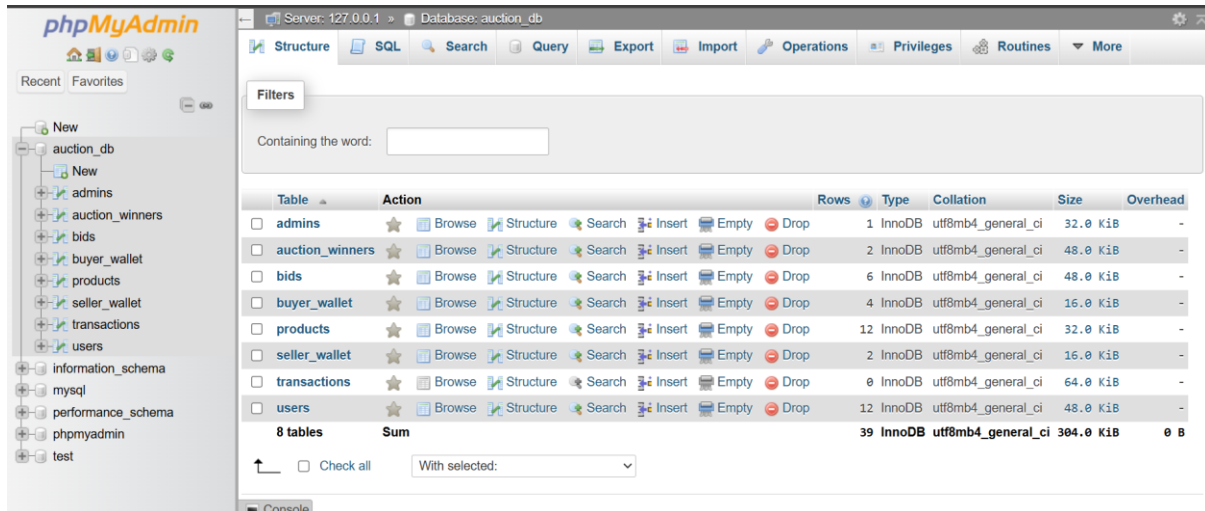
            System.out.println("Updating user id: " +userId + " to status: " +
status);

            Connection conn = DBConnection.getConnection();
            PreparedStatement ps = conn.prepareStatement("UPDATE users SET
status=? WHERE id=?");
            ps.setString(1, status);
            ps.setInt(2, userId);
            int i = ps.executeUpdate();

            if (i > 0) {
                response.sendRedirect("admin/blockedUsers.jsp?success=true");
            } else {
                response.sendRedirect("admin/blockedUsers.jsp?error=updatefail");
            }

        } catch (Exception e) {
            e.printStackTrace();
            response.sendRedirect("admin/blockedUsers.jsp?error=exception");
        }
    }
}
```

# Database



The screenshot shows the phpMyAdmin interface for a database named 'auction\_db'. The left sidebar shows a tree view of databases, including 'information\_schema', 'mysql', 'performance\_schema', 'phpmyadmin', and 'test'. The main panel displays the 'Structure' tab for the 'auction\_db' database. It lists 8 tables: 'admins', 'auction\_winners', 'bids', 'buyer\_wallet', 'products', 'seller\_wallet', 'transactions', and 'users'. Each table has a row of icons for actions like Browse, Structure, Search, Insert, Empty, and Drop. A summary row at the bottom shows '8 tables' with a total of 39 rows and 304.0 KiB size.

| Table           | Action                                    | Rows | Type   | Collation          | Size      | Overhead |
|-----------------|---|------|--------|--------------------|-----------|----------|
| admins          | Browse Structure Search Insert Empty Drop | 1    | InnoDB | utf8mb4_general_ci | 32.0 KiB  | -        |
| auction_winners | Browse Structure Search Insert Empty Drop | 2    | InnoDB | utf8mb4_general_ci | 48.0 KiB  | -        |
| bids            | Browse Structure Search Insert Empty Drop | 6    | InnoDB | utf8mb4_general_ci | 48.0 KiB  | -        |
| buyer_wallet    | Browse Structure Search Insert Empty Drop | 4    | InnoDB | utf8mb4_general_ci | 16.0 KiB  | -        |
| products        | Browse Structure Search Insert Empty Drop | 12   | InnoDB | utf8mb4_general_ci | 32.0 KiB  | -        |
| seller_wallet   | Browse Structure Search Insert Empty Drop | 2    | InnoDB | utf8mb4_general_ci | 16.0 KiB  | -        |
| transactions    | Browse Structure Search Insert Empty Drop | 0    | InnoDB | utf8mb4_general_ci | 64.0 KiB  | -        |
| users           | Browse Structure Search Insert Empty Drop | 12   | InnoDB | utf8mb4_general_ci | 48.0 KiB  | -        |
| 8 tables        | Sum                                       | 39   | InnoDB | utf8mb4_general_ci | 304.0 KiB | 0 B      |

## SmartBid - Online Auction Hub Project Setup Guide (Step-by-Step)

- Project Name: SmartBid
- Database Name: auction\_db
- SQL File: auction\_db.sql

### Requirements:

- Java JDK 8 or above
- Apache Tomcat 9 or 10
- MySQL Server + MySQL Workbench or phpMyAdmin
- NetBeans IDE (Recommended)

### Step-by-Step Instructions:

#### 1. Import the Project

- Open NetBeans
- Go to File → Open Project
- Select the extracted SmartBid project folder

#### 2. Import the Database

- Open MySQL Workbench or phpMyAdmin
- Create a new database named: auction\_db
- Import the file: auction\_db.sql into that database

#### 3. Set Up the Database Connection

- Open the file: DBConnection.java
- Make sure this is correct:
- String url = "jdbc:mysql://localhost:3306/auction\_db";
- String username = "root";



- `String password = "";` // Use your MySQL password if you have one

#### **4. Add Tomcat Server in NetBeans**

- Go to Tools → Servers → Add Server
- Select Apache Tomcat and set the installation path

#### **5. Run the Project**

- Right-click on the SmartBid project → Click Run
- Or press F6

#### **6. Access in Browser**

- <http://localhost:8080/SmartBid/>

#### **Project Summary:**

SmartBid: Online Auction System is a modern Java-based web application that allows sellers to post products for auction and buyers to bid in real-time. It includes:

- Secure login for buyers, sellers, and admin
- Real-time bidding system with wallet integration
- Admin winner declaration and transaction system
- Admin panel to manage and approve products and bids

Built using JSP, Servlets, JDBC, and MySQL, this project demonstrates real-world auction flow with a professional UI using Tailwind CSS.