# Department of

**ACADEMIC YEAR: 2024 – 25**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name & Register No of the Candidate:** | | | |  | | | |
| **Course Code & Title:** | |  | | | | | |
| **Date of Issue:** 16.10.2024 | | | | **Date of Submission:**29.10.2024 | | | |
| **Year / Dept. / Sem / Section: III / / V /** | | | | | | | |
| **Assignment: II** | | | | | | | |
| **Reference(s):** | | | | | | | |
| **Marks Details** | | | | | | | |
| **Q. No** | **1** | **2** | **3** | | **4** | **5** | **Total (25)** |
| **COs** |  |  |  | |  |  |  |
| **Marks Obtained** |  |  |  | |  |  |

**Course In-charge**

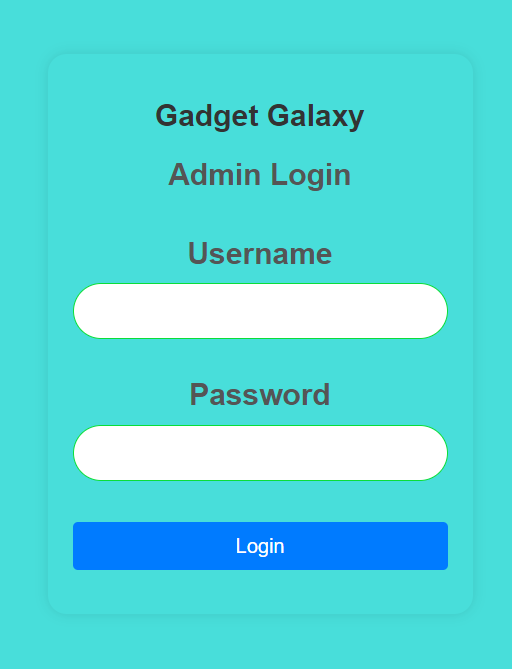
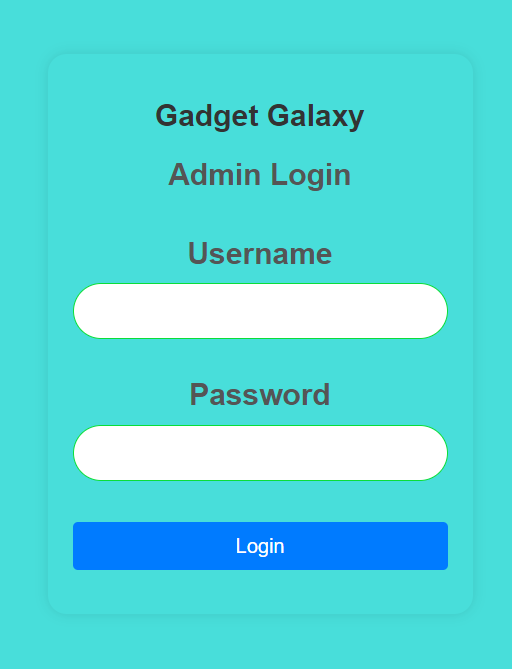


**Rubrics for Assignment Evaluation**

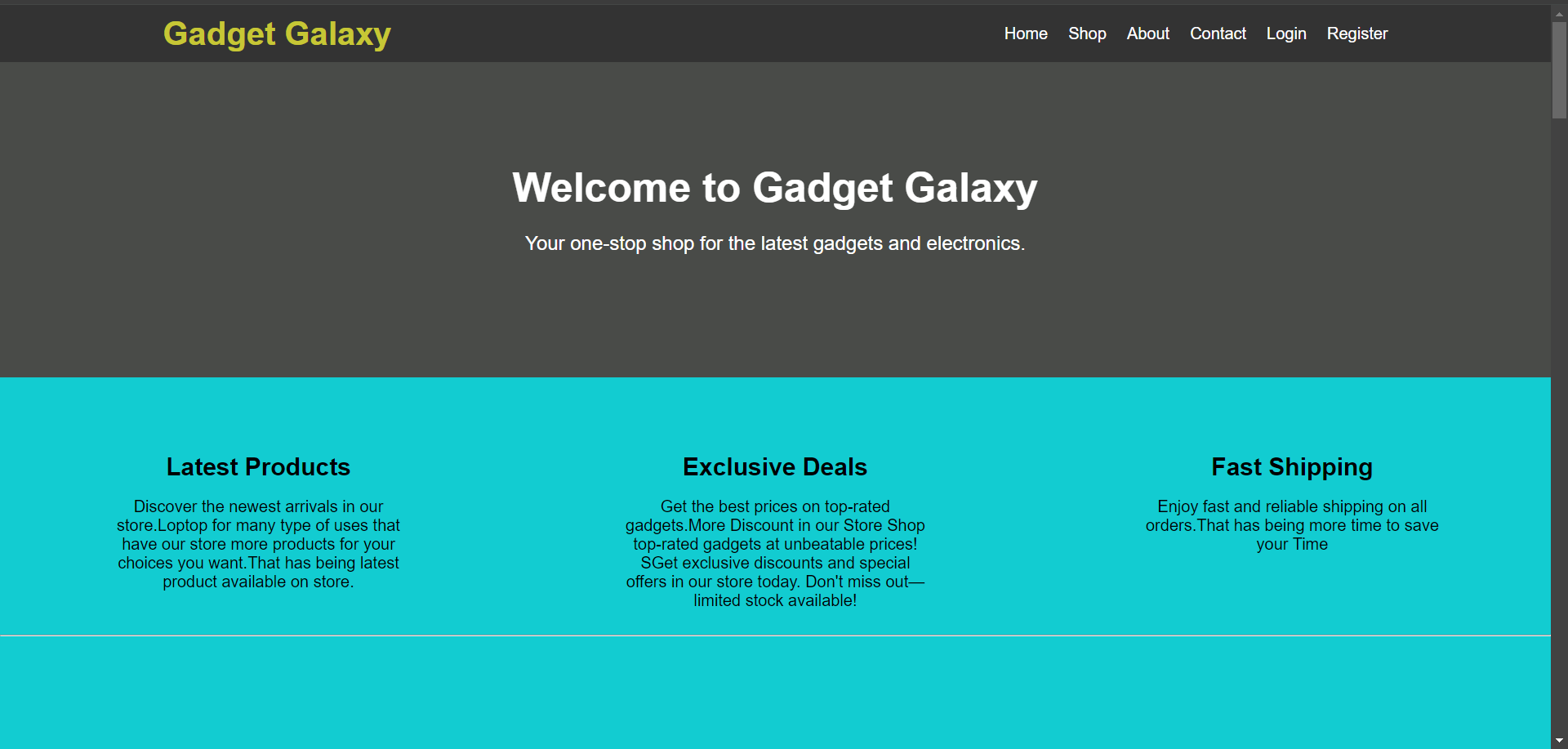
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Criterion** | **Weightage** | **Exemplary (5)** | **Excellent (4)** | **Adequate (3)** | **Average (2)** | **Inadequate (1)** | **Marks Obtained** |
| **Relevance of Content** | **5** | Writing shows high degree of attention to logic and reasoning of points. | Writing is logically organized with ideas and paragraphs. | Writing is coherent and logically organized. | Some points remain misplaced and stray from the topic. | Writing lacks logical organization. |  |
| **Creativeness** | **5** | Content indicates synthesis of ideas, in depth analysis and evidences. | Content indicates original thinking and develops ideas with sufficient and  firm evidence. | Content indicates thinking and reasoning applied with original  thought. | Content shows average thinking and reasoning. | Shows some thinking and reasoning but most ideas are  underdeveloped. |  |
| **Clarity of content** | **5** | Reveals high degree of critical thinking | Critical thinking is weaved into points | Some critical  thinking is present | Critical thinking  lacks detailed development. | Ideas are vague with  little evidence of critical thinking. |  |
| **Grammar & Style** | **5** | Creative use of sentence structure | Excellent use of sentence structure | Adequate use of sentence structure | Average use of sentence structure | Inadequate use of sentence structure |  |
| **References** | **5** | Adequate, complete and standard references | Adequate and complete references but substandard | Adequate but substandard and  incomplete references | Adequate and incomplete references | Inadequate and incomplete references |  |
| **Total Marks (out of 25)** | | | | | | |  |

**Signature of the Evaluator with date**

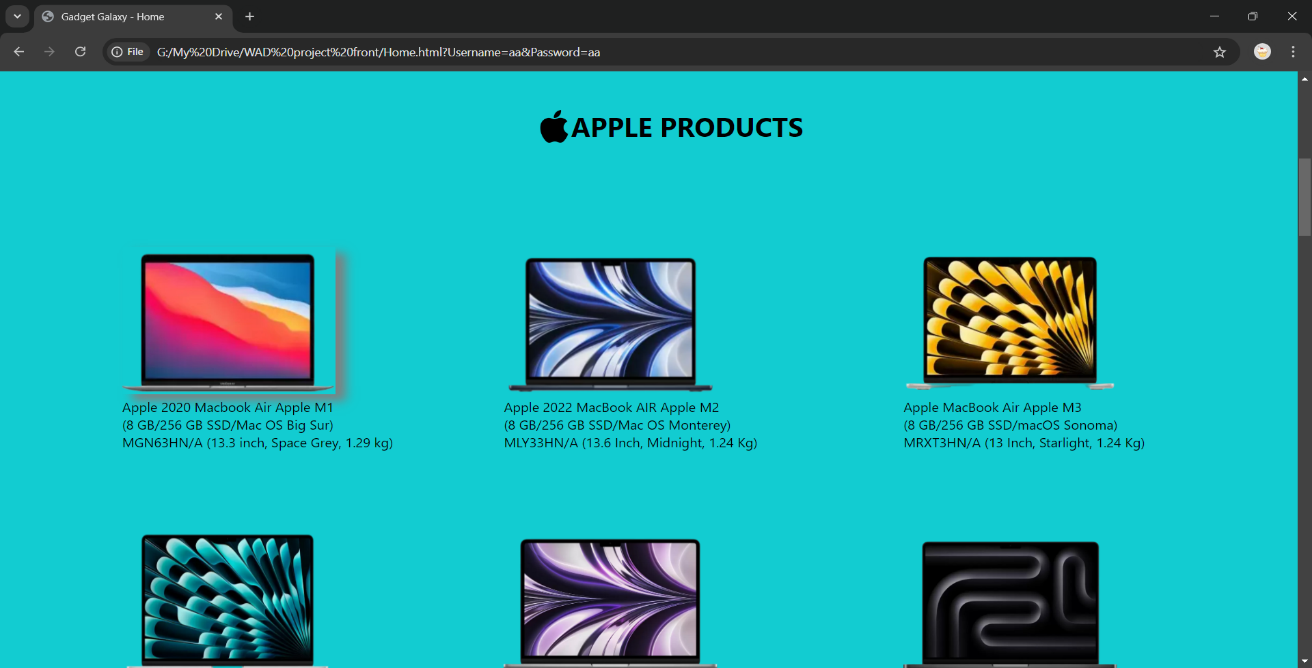
**Login page:**



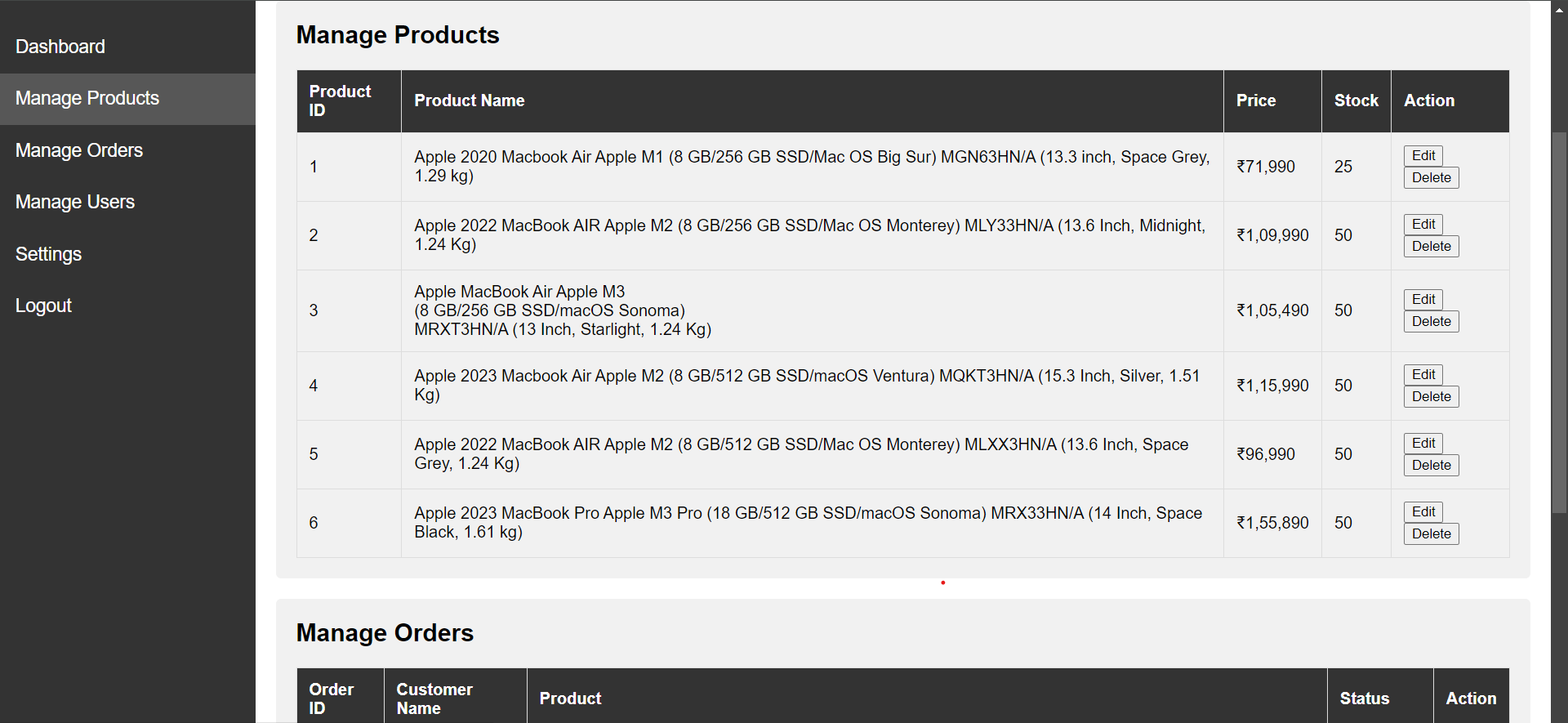
**HomePage:**

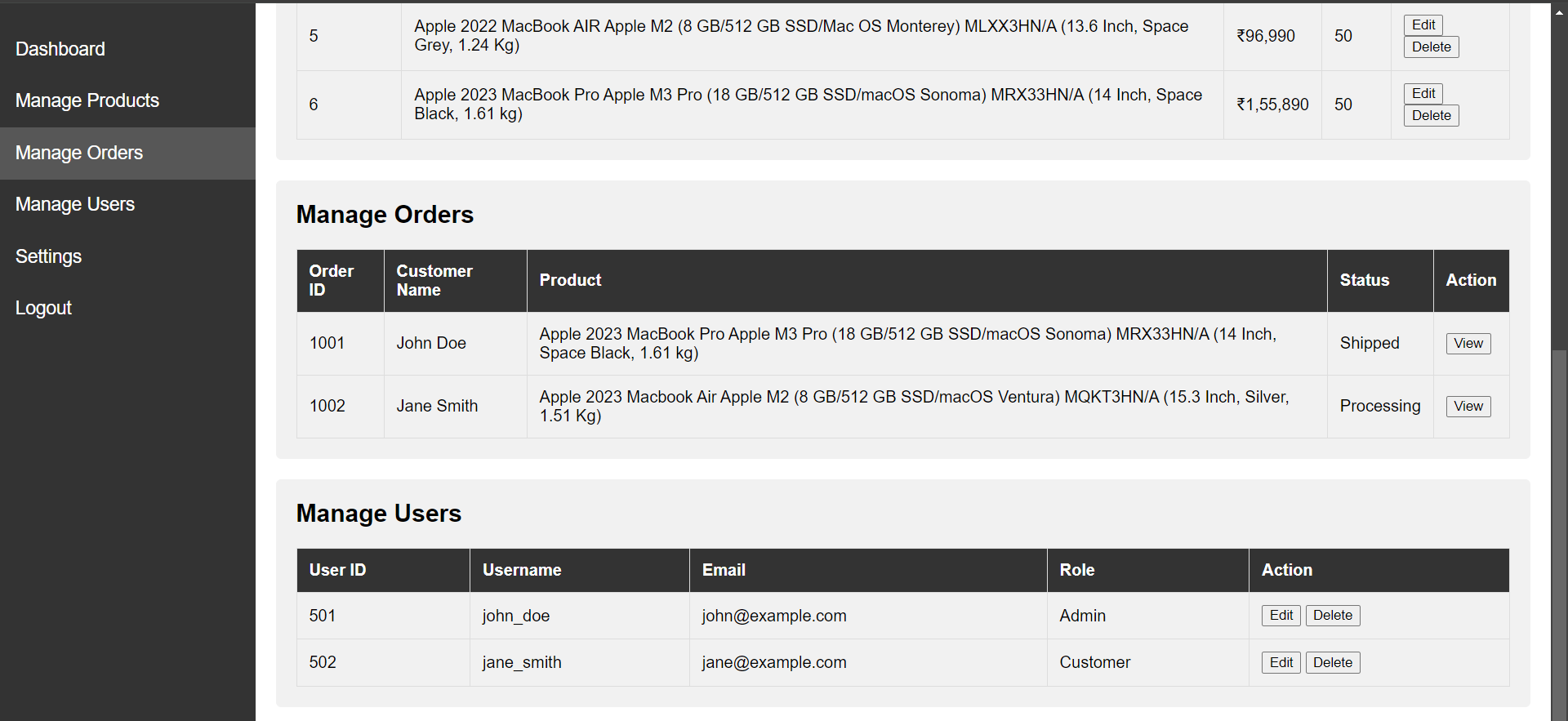


**Product Page:**

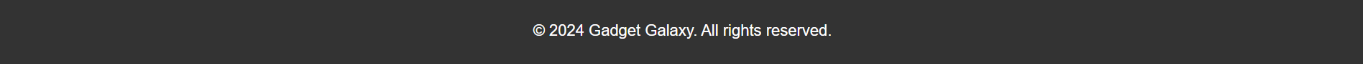
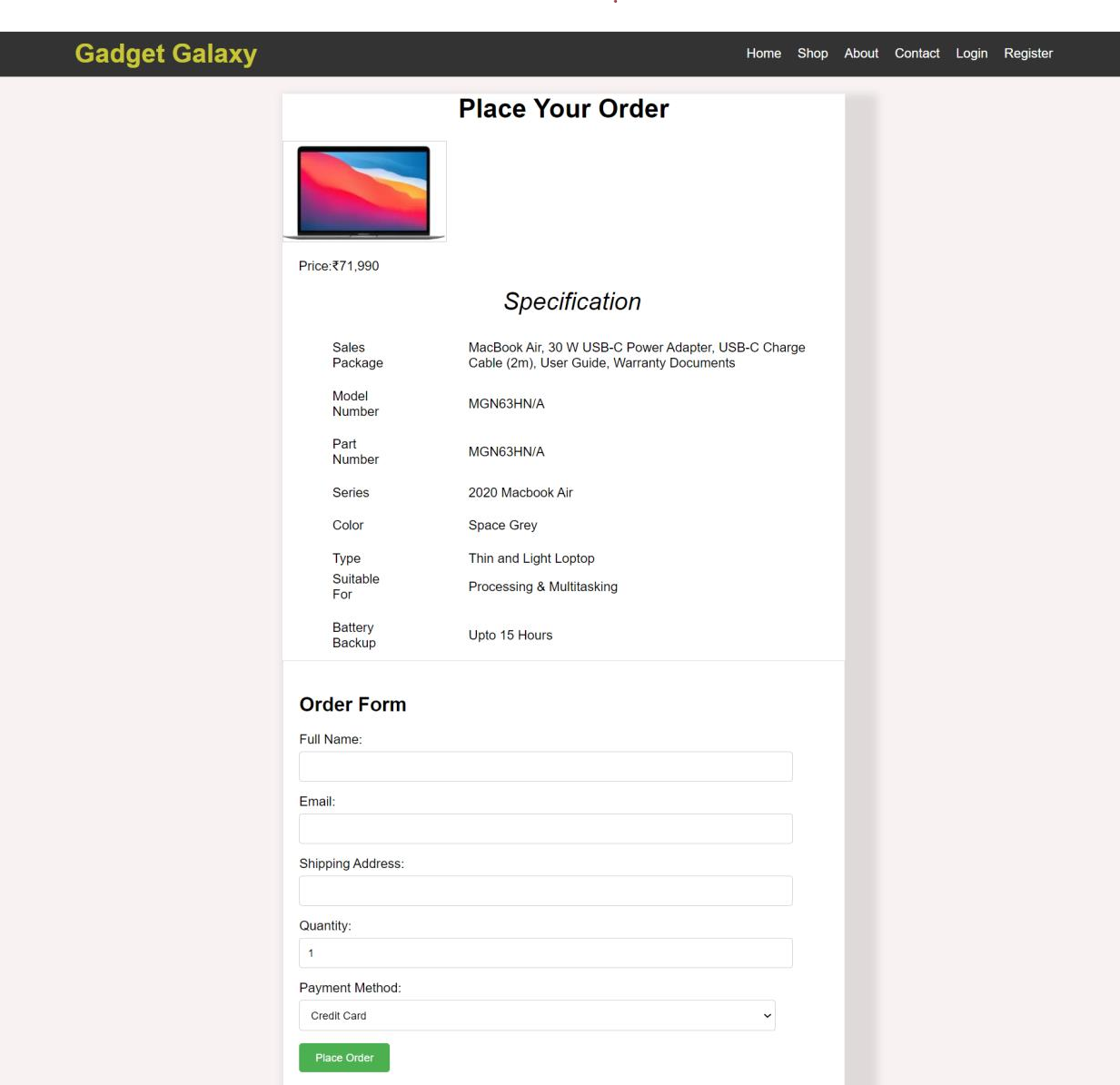


**Manage product:**



**Manage Order:**

**Order page:**



# Loginservlet.java

# import java.io.IOException;

# import java.io.PrintWriter;

# import java.sql.Connection;

# import java.sql.PreparedStatement;

# import java.sql.ResultSet;

# import java.sql.SQLException;

# import javax.servlet.ServletException;

# import javax.servlet.annotation.WebServlet;

# import javax.servlet.http.HttpServlet;

# import javax.servlet.http.HttpServletRequest;

# import javax.servlet.http.HttpServletResponse;

# import javax.servlet.http.HttpSession;

# @WebServlet("/LoginServlet")

# public class LoginServlet extends HttpServlet {

# protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

# String username = request.getParameter("Username");

# String password = request.getParameter("Password");

# try (Connection conn = DatabaseConnection.getConnection()) {

# String sql = "SELECT \* FROM users WHERE username = ? AND password = ?";

# PreparedStatement stmt = conn.prepareStatement(sql);

# stmt.setString(1, username);

# stmt.setString(2, password);

# ResultSet rs = stmt.executeQuery();

# PrintWriter out = response.getWriter();

# if (rs.next()) {

# // Login success: Create a session and redirect to home page

# HttpSession session = request.getSession();

# session.setAttribute("username", username);

# response.sendRedirect("Home.jsp");

# } else {

# // Login failure: Redirect to login page with an error

# response.sendRedirect("login.jsp?error=invalid");

# }

# } catch (SQLException e) {

# e.printStackTrace();

# }

# }

# }

# HomeServlet.java

# import java.io.IOException;

# import java.sql.Connection;

# import java.sql.PreparedStatement;

# import java.sql.ResultSet;

# import java.sql.SQLException;

# import java.util.ArrayList;

# import java.util.List;

# import javax.servlet.ServletException;

# import javax.servlet.annotation.WebServlet;

# import javax.servlet.http.HttpServlet;

# import javax.servlet.http.HttpServletRequest;

# import javax.servlet.http.HttpServletResponse;

# @WebServlet("/products")

# public class ProductServlet extends HttpServlet {

# protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

# List<Product> products = new ArrayList<>();

# try (Connection conn = DatabaseConnection.getConnection()) {

# String sql = "SELECT \* FROM products";

# PreparedStatement stmt = conn.prepareStatement(sql);

# ResultSet rs = stmt.executeQuery();

# while (rs.next()) {

# Product product = new Product();

# product.setId(rs.getInt("id"));

# product.setName(rs.getString("name"));

# product.setPrice(rs.getDouble("price"));

# product.setDescription(rs.getString("description"));

# product.setImageUrl(rs.getString("imageUrl"));

# products.add(product);

# }

# } catch (SQLException e) {p

# e.printStackTrace();

# }

# // Set products in request scope and forward to JSP

# request.setAttribute("products", products);

# request.getRequestDispatcher("products.jsp").forward(request, response);

# }

# }

# Orderservlet.java

# import java.io.IOException;

# import java.sql.Connection;

# import java.sql.PreparedStatement;

# import java.sql.SQLException;

# import javax.servlet.ServletException;

# import javax.servlet.annotation.WebServlet;

# import javax.servlet.http.HttpServlet;

# import javax.servlet.http.HttpServletRequest;

# import javax.servlet.http.HttpServletResponse;

# @WebServlet("/placeOrder")

# public class OrderServlet extends HttpServlet {

# protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

# String productName = "ASUS TUF Gaming F17"; // hardcoded for this example

# String customerName = request.getParameter("name");

# String email = request.getParameter("email");

# String address = request.getParameter("address");

# int quantity = Integer.parseInt(request.getParameter("quantity"));

# String paymentMethod = request.getParameter("payment");

# try (Connection conn = DatabaseConnection.getConnection()) {

# String sql = "INSERT INTO orders (product\_name, customer\_name, email, shipping\_address, quantity, payment\_method) VALUES (?, ?, ?, ?, ?, ?)";

# PreparedStatement stmt = conn.prepareStatement(sql);

# stmt.setString(1, productName);

# stmt.setString(2, customerName);

# stmt.setString(3, email);

# stmt.setString(4, address);

# stmt.setInt(5, quantity);

# stmt.setString(6, paymentMethod);

# int rowsInserted = stmt.executeUpdate();

# if (rowsInserted > 0) {

# // Redirect to order confirmation page with success message

# response.sendRedirect("orderConfirmation.jsp?status=success");

# } else {

# response.sendRedirect("orderConfirmation.jsp?status=error");

# }

# } catch (SQLException e) {

# e.printStackTrace();

# response.sendRedirect("orderConfirmation.jsp?status=error");

# }

# }

# }

# Product Management Servlet

# import java.io.IOException;

# import java.sql.Connection;

# import java.sql.PreparedStatement;

# import java.sql.ResultSet;

# import java.sql.SQLException;

# import java.util.ArrayList;

# import java.util.List;

# import javax.servlet.ServletException;

# import javax.servlet.annotation.WebServlet;

# import javax.servlet.http.HttpServlet;

# import javax.servlet.http.HttpServletRequest;

# import javax.servlet.http.HttpServletResponse;

# @WebServlet("/products")

# public class ProductServlet extends HttpServlet {

# protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

# List<Product> products = new ArrayList<>();

# try (Connection conn = DatabaseConnection.getConnection()) {

# String sql = "SELECT \* FROM products";

# PreparedStatement stmt = conn.prepareStatement(sql);

# ResultSet rs = stmt.executeQuery();

# while (rs.next()) {

# Product product = new Product();

# product.setId(rs.getInt("id"));

# product.setName(rs.getString("name"));

# product.setPrice(rs.getDouble("price"));

# product.setStock(rs.getInt("stock"));

# products.add(product);

# }

# } catch (SQLException e) {

# e.printStackTrace();

# }

# request.setAttribute("products", products);

# request.getRequestDispatcher("products.jsp").forward(request, response);

# }

# protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

# String action = request.getParameter("action");

# try (Connection conn = DatabaseConnection.getConnection()) {

# if ("add".equals(action)) {

# String name = request.getParameter("name");

# double price = Double.parseDouble(request.getParameter("price"));

# int stock = Integer.parseInt(request.getParameter("stock"));

# String sql = "INSERT INTO products (name, price, stock) VALUES (?, ?, ?)";

# PreparedStatement stmt = conn.prepareStatement(sql);

# stmt.setString(1, name);

# 

# stmt.setDouble(2, price);

# stmt.setInt(3, stock);

# stmt.executeUpdate();

# } else if ("delete".equals(action)) {

# int id = Integer.parseInt(request.getParameter("id"));

# String sql = "DELETE FROM products WHERE id = ?";

# PreparedStatement stmt = conn.prepareStatement(sql);

# stmt.setInt(1, id);

# stmt.executeUpdate();

# }

# } catch (SQLException e) {

# e.printStackTrace();

# }

# response.sendRedirect("products");

# }

# }

# Order Management Servlet.java

# import java.io.IOException;

# import java.sql.Connection;

# import java.sql.PreparedStatement;

# import java.sql.ResultSet;

# import java.sql.SQLException;

# import java.util.ArrayList;

# import java.util.List;

# import javax.servlet.ServletException;

# import javax.servlet.annotation.WebServlet;

# import javax.servlet.http.HttpServlet;

# import javax.servlet.http.HttpServletRequest;

# import javax.servlet.http.HttpServletResponse;

# @WebServlet("/orders")

# public class OrderServlet extends HttpServlet {

# protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

# List<Order> orders = new ArrayList<>();

# try (Connection conn = DatabaseConnection.getConnection()) {

# String sql = "SELECT o.id, o.customer\_name, p.name AS product, o.status FROM orders o JOIN products p ON o.product\_id = p.id";

# PreparedStatement stmt = conn.prepareStatement(sql);

# ResultSet rs = stmt.executeQuery();

# while (rs.next()) {

# Order order = new Order();

# order.setId(rs.getInt("id"));

# order.setCustomerName(rs.getString("customer\_name"));

# order.setProduct(rs.getString("product"));

# order.setStatus(rs.getString("status"));

# orders.add(order);

# }

# 

# }

# catch (SQLException e) {

# e.printStackTrace();

# }

# request.setAttribute("orders", orders);

# request.getRequestDispatcher("orders.jsp").forward(request, response);

# }

# protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

# String action = request.getParameter("action");

# try (Connection conn = DatabaseConnection.getConnection()) {

# if ("updateStatus".equals(action)) {

# int id = Integer.parseInt(request.getParameter("id"));

# String status = request.getParameter("status");

# String sql = "UPDATE orders SET status = ? WHERE id = ?";

# PreparedStatement stmt = conn.prepareStatement(sql);

# stmt.setString(1, status);

# stmt.setInt(2, id);

# stmt.executeUpdate();

# }

# } catch (SQLException e) {

# e.printStackTrace();

# }

# response.sendRedirect("orders");

# }

# }