RETRIEVING DATA SERVLET:

```
package project;
import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
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 java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.math.BigDecimal;
import java.sql.CallableStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;
import java.sql.PreparedStatement;
import java.math.BigDecimal;
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 com.ecommerce.DBConnection;
import java.io.FileInputStream;
import java.util.Properties;
import java.lang.NullPointerException;
import java.io.IOException;
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("/RetriveData")
public class RetrievingData extends HttpServlet {
      private static final long serialVersionUID = 1L;
            protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
                  // TODO Auto-generated method stub
                   try {
                        PrintWriter out = response.getWriter();
                        out.println("<html><body>");
                        InputStream in =
getServletContext().getResourceAsStream("/WEB-INF/config.properties");
                        Properties props = new Properties();
                        props.load(in);
```

```
DBUtil conn = new DBUtil (props.getProperty("url"),
props.getProperty("userid"),
                               props.getProperty("password"));
                        String id = request.getParameter("id");
                        String query = "SELECT * FROM product WHERE id =
?";
                        PreparedStatement stmt =
conn.getConnection().prepareStatement(query);
                        stmt.setInt(1, Integer.parseInt(id));
                       ResultSet rs = stmt.executeQuery();
                        if (rs.next()) {
                            String name = rs.getString("name");
                            double price = rs.getDouble("price");
                            out.println("<h1>Product Details</h1>");
                           out.println("<strong>Product ID:</strong> "
+ id + "");
                           out.println("<strong>Name:</strong> " + name
+ "");
                           out.println("<strong>Price:</strong> $" +
price + "");
                        } else {
                            out.println("Product not found.");
                       rs.close();
                        stmt.close();
                       conn.closeConnection();
                       out.println("</body></html>");
                    } catch (SQLException e) {
                        e.printStackTrace();
                    }
                }
}
DBUTIL (CONNECTION CLASS):
package project;
import java.sql.*;
//This is a helper class that loads the JDBC driver and
//establishes the connection to the DB Server database
public class DBUtil {
        Connection connection = null;
      public DBUtil(String dbURL, String user, String pwd) {
```

```
try {
                  // STEP 1 LOAD THE JDBC DRIVER
                  Class.forName("com.mysql.jdbc.Driver");
                  // STEP 2 GET THE CONNECTION TO THE DATABSE
                  connection = DriverManager.getConnection(dbURL, user,
pwd);
            } catch (ClassNotFoundException | SQLException e) {
                  System.out.println(e);
            }
      }
      public Connection getConnection() {
            return this.connection;
      }
      public void closeConnection() throws SQLException {
            if (this.connection != null)
                  this.connection.close();
      }
}
CONFIG PROPERTIES FILE:
url=jdbc:mysql://127.0.0.1:3306/ecommerce
userid=root
password=@Classicaldancer23
INDEX HTML PAGE:
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Product Details</title>
</head>
```

WORKBECH OUTPUT:

