

ASSIGNMENT – 2

REG_NO: 220701057

index.html:

```
<!DOCTYPE html>
<!--
-->
<head>
  <title>Product Management Dashboard</title>
  <style>
    *{
      padding: 0;
      margin: 0;
    }
    header{
      display: flex;
      align-items: center;
      justify-content: space-between;
      padding: 20px;
      margin-bottom: 30px;
      background-color: #ccccf0;
    }
    form{
      display: flex;
      flex-direction: column;
      gap: 30px;
    }
    label{
      width: 100px;
    }
    input, button{
      width: 300px;
      padding: 10px;
      border-radius: 10px;
      border: 1px solid grey;
    }
    button{
      width: 100px;
      display: flex;
      margin: auto;
      text-align: center;
    }
    form div{
      display: flex;
      align-items: center;
    }
    main{
      border: 1px solid gray;
      border-radius: 10px;
```

```

        width: fit-content;
        margin: auto;
        padding: 20px;
    }
    main h1 {
        text-align: center;
        margin-bottom: 30px
    }
</style>
</head>
<body>
    <header>
        <h1>Product Management</h1>
        <nav>
            <a href="index.html">Add Product</a> |
            <a href="ViewProductsServlet">View Products</a> |
            <a href="SearchProductsServlet">Search Products</a>
        </nav>
    </header>
    <main>
        <h1>Add Product</h1>
        <form action="AddProductServlet" method="post" id="productForm">
            <input type="hidden" name="id" id="productId">
            <div><label>Name:</label>
            <input type="text" name="name" required></div>
            <div><label>Category:</label>
            <input type="text" name="category"></div>
            <div><label>Price:</label>
            <input type="text" name="price" required></div>
            <div><label>Stock:</label>
            <input type="number" name="stock" min="1" required></div>
            <button type="submit">Add Product</button>
        </form>
    </main>
</body>
</html>

```

AddProductServlet.java:

```

/*
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 */

import java.io.*;
import java.sql.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;
/**
 *

```

```

* @author CAROLINE
*/
public class AddProductServlet extends HttpServlet {

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

        response.setContentType("text/html");

        String name=request.getParameter("name");
        String category= request.getParameter("category");
        double price= Double.parseDouble(request.getParameter("price"));
        int stock= Integer.parseInt(request.getParameter("stock"));
        try{
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/product_management","root","Suja@2004");
            PreparedStatement stmt=conn.prepareStatement("insert into products(name, category, price, stock)
values(?,?,?,?)");
            stmt.setString(1,name);
            stmt.setString(2, category);
            stmt.setDouble(3, price);
            stmt.setInt(4, stock);
            stmt.executeUpdate();
            stmt.close();
            conn.close();
            response.getWriter().write("<script>alert('Product added successfully!');
window.location='index.html';</script>");

        } catch (Exception e) {
            response.getWriter().write("<script>alert('Error adding product!'); window.location='index.html';</script>");
        }
    }
}

```

IMPLEMENTATION SCREENSHOTS:

