Project Description -Adding new Product in Db using Hibernate with servlet

Project:

As a part of developing an e-commerce web application, you have to create a database table for storing product information. A form is needed to add new products. The form submission is validated, and a new record is created in the product table.

Steps/Algo:

Steps to Create the Project:

- Set up the development environment: Install and configure a web server (e.g., Apache Tomcat), MySQL database server, and an IDE (e.g., Eclipse).

- Create the project structure: Set up the project structure with appropriate directories (e.g., src, WebContent) and the necessary configuration files (web.xml).

- Create the database: Set up a MySQL database to store the product data.
- Configure Hibernate: Add the Hibernate dependencies to your project, create the Hibernate configuration file (hibernate.cfg.xml), and define the entity class (Product) that represents the product data.

- Create the JSP files: Create the add-product.jsp file to display the form for adding a new product. Use HTML and JSP tags to design the form and capture user input.
- Create the Servlet: Create the AddProductServlet class that extends HttpServlet.

- Implement the logic to handle the form submission in the doPost method. Use Hibernate to store the submitted product data into the database.

- Configure servlet mapping: In the web.xml file, map the AddProductServlet to a URL pattern (e.g., /addProduct) so that it can be accessed by the client.

- Build and deploy the application: Build the project and deploy the application to the web server. Make sure all the dependencies and configuration files are included.
- Run the application: Start the web server and access the application using the appropriate URL (e.g., http://localhost:8080/your-project-context-root/add-product.jsp).

- **The add product form should be displayed, and you should be able to submit new products successfully.**

Technologies used- **Java,servlet,JSP, Hibernate, HTML,MYsql**

Thanks!