

Adding a New Product in the Database.

Created a servlet-based web application that shows a form to add new products. A MySQL database is created to store product data. The form data will be validated, and a row will be added to the database. All database processing is done using Hibernate.

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

The following are used to build and execute this project:

- Eclipse as the IDE
- Apache Tomcat as the web server
- JSP pages for the front end
- Servlets for backend processing
- Hibernate to store data into the database

The flow of the Application is as follows:

- Created a database ecommerce in MySQL and created table eproduct with rows ID, name, price, HDD, CPU, RAM and date added.
- Inserted sufficient data to the table.
- Created a dynamic web project AddProduct and added necessary jar files to it.
- Created addProduct.jsp file to show a webpage that contains form to user input values that are to be added.
- On submit, the application will go to the AddProductServlet.java and from there input details are added to the database table after validation.
- A class has to be created to store product data. This class will be linked to Hibernate via an hbm.xml file. Set up Hibernate configuration files using XML for the product table. A product class

is created with Entity to connect to the database, hibernate.cfg.xml and Product.hbm.xml files are also created to map to the database.

- When the data is added to the table, the servlet page will redirect to success.html page, where a success message “Product added successfully !” is shown and a hyperlink is also provided to go back to addProduct.jsp.
- If the user want to add another product, can access the hyperlink.