Adding a New Product in the Database

WriteUp:

- hibernate.cfg.xml: This XML configuration file contains the Hibernate configuration settings, such as the database connection details and dialect. It also specifies the mapping of the Product class.

- Index.jsp: This JSP (JavaServer Pages) file represents the user interface for adding a product. It contains an HTML form where the user can enter the product details such as ID, name, and cost.

- addController.jsp: This JSP file is the controller that handles the form submission. It retrieves the product details entered by the user, creates a Product object, and invokes the ProductDAO to add the product to the database.

- Success.jsp: This JSP file is displayed when the product is successfully added to the database. It shows a success message and includes the Index.jsp file to allow the user to add more products.

- ProductDAO: This class is responsible for performing CRUD (Create, Read, Update, Delete) operations on the Product entity. In this case, it contains the addProduct method, which saves the Product object to the database using Hibernate.

- Dbutil: This utility class is used to establish a database connection and return a Hibernate Session object. It reads the Hibernate configuration from the hibernate.cfg.xml file and sets up the session factory.

- Product: This is a simple Java class representing the Product entity. It is annotated with @Entity to indicate that it is a persistent entity mapped to a database table. It has attributes such as id, pname, and pcost, along with corresponding getter and setter methods