Project Title: Servlet-based Web Application for Adding Products to MySQL Database

Introduction: The goal of this project is to develop a web application that allows users to add new products to a MySQL database using a form. The form data will be validated, and a new row will be added to the product table. The application will be developed using Java Servlets and Hibernate.

Objective: The main objective of this project is to create a web application that enables users to add new products to a MySQL database using a form. The form data will be validated, and a new row will be inserted into the database using Hibernate.

Requirements: The following requirements must be met for the successful implementation of the project:

* A MySQL database for storing product information.
* A web application that allows users to add new products to the database.
* A form to collect product details from the user.
* The form data should be validated before insertion into the database.
* The application should use Hibernate to interact with the database.

Architecture: The web application will be based on the Model-View-Controller (MVC) architecture. The Model represents the data, the View represents the user interface, and the Controller handles user requests and updates the model and view accordingly.

The application will use Servlets as the controller to handle user requests and responses. The JSP pages will be used for the view to display the user interface. Hibernate will be used as the model to interact with the MySQL database.

Features: The web application will have the following features:

* A form to collect product details from the user.
* The form will validate the user input to ensure that it is in the correct format.
* The form data will be inserted into the MySQL database using Hibernate.
* The user will be redirected to a page that displays the products in the database.

Tools: The following tools will be used to develop the project:

* Java Servlets: To handle user requests and responses.
* JSP: To create dynamic web pages and display the user interface.
* Hibernate: To interact with the MySQL database and store the product information.

Conclusion: This project involves developing a Servlet-based web application that allows users to add new products to a MySQL database using a form. The form data will be validated, and a new row will be inserted into the database using Hibernate. The application will be developed using Java Servlets and JSP pages. The final product will allow users to add new products to the database easily and efficiently.

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