**Retrieving the Product Details Using ProductID**

**Description:**

To create a servlet-based application that shows a form to enter a product ID. The product ID is then validated, and product details are retrieved from the database and displayed to the user. A product table in MySQL should be created and prepopulate it with data. All database processing should be done with JDBC.

**The following tools or functionalities are used:**

* Eclipse as the IDE
* Apache Tomcat as the web server
* MySQL Connector for JDBC functionality

**The following requirements are met:**

* A HTML page is created to take in a product ID.
* JDBC connectivity is set to work with the application.
* A servlet is created that will take the product ID and use JDBC to query the database for the product.
* If the product is found, the servlet will display the product details, otherwise it will show an error message

**Step by Step Procedure:**

1. Creating a database in MySQL and a table in it

2. Creating a dynamic web project

3. Adding the jar files for MySQL connection for Java

4. Creating an HTML page index.html

5. Creating a DBConnection class to initiate a JDBC connection in code

6. Creating a application.properties file to store JDBC credentials

7. Creating a ProductDetails servlet

8. Creating a Servlet to retrieve the data from the database.

9. If the data is present it will display the details, otherwise it will show an error message.

10. Building the project.

11. Publishing and starting the project.

12. Running the project.

13. Pushing the code to your GitHub repositories.