

Product Details Portal Documentation

1. Introduction

1.1 Purpose

The purpose of the Product Details Portal is to provide a prototype for an e-commerce web application. It allows users to enter product details through a web form, and the entered information is displayed using a Java servlet.

1.2 Scope

This project focuses on capturing and displaying product details without utilizing a database. It serves as a simple demonstration for web form handling using servlets.

1.3 Technologies Used

- Java
- Jakarta Servlet
- HTML
- Eclipse IDE

2. Project Structure

2.1 Directory Structure

- **src:** Contains Java source files.
- **WebContent:** Contains web-related resources.
 - **index.html:** HTML form for entering product details.
 - **WEB-INF:**
 - **web.xml:** Deployment descriptor.

2.2 File Descriptions

- **index.html:** HTML file containing the product details form.
- **ProductServlet.java:** Java servlet handling form submission and displaying entered details.
- **web.xml:** Deployment descriptor configuring servlet mapping and welcome file.

3. Code Overview

3.1 HTML Form (**index.html**)

The HTML form provides fields for entering product details, including name, price, and description.

3.2 Servlet Class (**ProductServlet.java**)

The servlet class (**ProductServlet**) processes the form submission, retrieves entered details, and displays them in an HTML response.

3.3 Deployment Descriptor (**web.xml**)

The **web.xml** file configures servlet mapping and specifies the welcome file.

4. Usage

4.1 Entering Product Details

- Access the web application in a browser.
- Fill in the product details in the provided form.
- Submit the form.