

Task :8

# Servlet

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Write a simple servlet that tells the programmer to develop a program for Online Book Center. Ask the programmer to display the number of items the user purchases daily and allow the user to write general comments if any. Display the values and the general comments on another HTML pages.

## Aim:

To write a Java Servlet program that displays a form to input the number of books purchased daily and general comments, and then shows the submitted details on another HTML page.

## Algorithm:

1. Class Name:  
BookCenterServlet – to process user input and display the result.
2. HTML Page Name:  
bookform.html – for user input (number of items and comments).
3. Method Name:
  - doPost() – to handle form submission and display user inputs.
4. Function:
  - Create an HTML form to collect user inputs.
  - Submit the form to the servlet.
  - Servlet processes and displays the received values on a result page.

## Program:

### (a) bookform.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Online Book Center</title>
```

```
</head>

<body style="font-family: Arial; text-align: center;">

    <h2>Welcome to the Online Book Center</h2>

    <p>Programmer, develop a system to track daily book purchases.</p>

    <form action="BookCenterServlet" method="post">

        <label>Number of Items Purchased Today:</label><br>

        <input type="number" name="items" required><br><br>

        <label>General Comments:</label><br>

        <textarea name="comments" rows="4" cols="30" placeholder="Write your comments
here..."></textarea><br><br>

        <input type="submit" value="Submit Details">

    </form>

</body>

</html>
```

### **(b) BookCenterServlet.java**

```
import java.io.*;

import javax.servlet.*;

import javax.servlet.http.*;

public class BookCenterServlet extends HttpServlet {

    // Handles POST request

    public void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {
```

```

// Set content type
response.setContentType("text/html");
PrintWriter out = response.getWriter();

// Get form data
String items = request.getParameter("items");
String comments = request.getParameter("comments");

// Display response page
out.println("<html><head><title>Purchase Details</title></head>");
out.println("<body style='font-family: Arial; text-align: center;'>");
out.println("<h2>Online Book Center - Purchase Summary</h2>");
out.println("<p><b>Number of Books Purchased Today:</b> " + items + "</p>");
out.println("<p><b>General Comments:</b> " + comments + "</p>");
out.println("<br><a href='bookform.html'>Go Back</a>");
out.println("</body></html>");

out.close();
}
}

```

### **(c) web.xml Configuration**

**Place this inside your WEB-INF/web.xml file:**

```

<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee" version="3.1">
  <servlet>
    <servlet-name>BookCenterServlet</servlet-name>
    <servlet-class>BookCenterServlet</servlet-class>
  </servlet>

```

```
<servlet-mapping>
    <servlet-name>BookCenterServlet</servlet-name>
    <url-pattern>/BookCenterServlet</url-pattern>
</servlet-mapping>
</web-app>
```

#### **Sample Output 1 — Input Page (bookform.html):**

Welcome to the Online Book Center

Number of Items Purchased Today: [ 5 ]

General Comments: [ "Need more fiction books." ]

[Submit Details]

#### **Sample Output 2 — Display Page (from Servlet):**

Online Book Center - Purchase Summary

Number of Books Purchased Today: 5

General Comments: Need more fiction books.

#### **Result:**

Thus, a Java Servlet application was successfully developed that accepts user input for the number of books purchased and general comments, and displays them dynamically on another HTML page using Servlet and form handling.