

Day 3:

Servlet/JSP, Introduction to JSP - Claims Submission Process

Task 1: Develop Servlets to manage the workflow of submitting insurance claims.

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/submitClaim")
public class SubmitClaimServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String policyNumber = request.getParameter("policyNumber");
        String claimAmount = request.getParameter("claimAmount");
        String claimDetails = request.getParameter("claimDetails");
        PrintWriter out = response.getWriter();
        out.println("<html><body>");
        out.println("<h1>Claim Submission Successful</h1>");
        out.println("<p>Policy Number: " + policyNumber + "</p>");
        out.println("<p>Claim Amount: " + claimAmount + "</p>");
        out.println("<p>Claim Details: " + claimDetails + "</p>");
        out.println("</body></html>");
    }
}
```

Task 2: Construct JSP pages for entering claim information and confirmations.

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
```

```

    pageEncoding="UTF-8"%>
<!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">

    <title>Claim Submission Form</title>

    <link rel="stylesheet" href="styles.css">

</head>

<body>

    <h2>Claim Submission Form</h2>

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

        <label for="policyNumber">Policy Number:</label>

        <input type="text" id="policyNumber" name="policyNumber" required><br><br>

        <label for="claimAmount">Claim Amount:</label>

        <input type="text" id="claimAmount" name="claimAmount" required><br><br>

        <label for="claimDetails">Claim Details:</label><br>

        <textarea id="claimDetails" name="claimDetails" rows="4" cols="50"
required></textarea><br><br>

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

    </form>

</body>

</html>

```

Task 3: Employ JavaBeans to manage the transition of data in the claim submission process.

```
package com.example.beans;
```

```
import java.io.Serializable;
```

```
public class ClaimBean implements Serializable {  
    private static final long serialVersionUID = 1L;  
  
    private String policyNumber;  
    private double claimAmount;  
    private String claimDetails;  
  
    // Default constructor (mandatory for JavaBeans)  
    public ClaimBean() {  
    }  
    public String getPolicyNumber() {  
        return policyNumber;  
    }  
    public void setPolicyNumber(String policyNumber) {  
        this.policyNumber = policyNumber;  
    }  
    public double getClaimAmount() {  
        return claimAmount;  
    }  
    public void setClaimAmount(double claimAmount) {  
        this.claimAmount = claimAmount;  
    }  
    public String getClaimDetails() {  
        return claimDetails;  
    }  
    public void setClaimDetails(String claimDetails) {  
        this.claimDetails = claimDetails;  
    }  
}
```