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package sem12122.sse3305;

import java.io.IOException;
import java.text.DecimalFormat;
import java.util.ArrayList;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import sem12122.sse3305.service.PensionServiceIMP;

public class PensionController extends HttpServlet {
    private static final long serialVersionUID = 1L;
    RequestDispatcher dispatcher = null;
    DecimalFormat df = new DecimalFormat("#.00");

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        String action = request.getParameter("Button");

        System.out.println("action=" + action);

        switch (action) {

            case "CALCULATE":
                calculatePension(request, response);
                break;

            case "README":
                dispatcher = request.getRequestDispatcher("/readme.jsp");
                dispatcher.forward(request, response);

            default:
                break;

        }
    }
}
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}
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private void calculatePension(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    response.getWriter().append("Served at: ").append(request.getContextPath());

    PensionServiceIMP psi = new PensionServiceIMP();
    ArrayList<String> details = new ArrayList<String>();
    ArrayList<String> output = new ArrayList<String>();

    details = getPensionDetail(request, response);
    output = psi.kirapencen(details);

    request.setAttribute("tlahir1", details.get(0));
    request.setAttribute("tlahir2", details.get(1));
    request.setAttribute("tlahir3", details.get(2));
    request.setAttribute("tmkhidmat1", details.get(3));
    request.setAttribute("tmkhidmat2", details.get(4));
    request.setAttribute("tmkhidmat3", details.get(5));
    request.setAttribute("gaji", details.get(6));
    request.setAttribute("imbuhant", details.get(7));
    request.setAttribute("gcuti", details.get(8));
    request.setAttribute("cutihari", details.get(9));
    request.setAttribute("cutibulan", details.get(10));
    request.setAttribute("cutitahun", details.get(11));
    request.setAttribute("tsarapilih1", details.get(12));
    request.setAttribute("tsarapilih2", details.get(13));
    request.setAttribute("tsarapilih3", details.get(14));
    request.setAttribute("jantina", details.get(15));
    request.setAttribute("listimewa", details.get(16));

    String tiadaganjaran = output.get(2);
    System.out.println("tiadaganjaranx=" + tiadaganjaran);

    if (tiadaganjaran.equals("0")) {
        request.setAttribute("umursara2", output.get(0));
        request.setAttribute("umursara1", output.get(1));
        request.setAttribute("bulankhid", output.get(3));
    }
}
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        request.setAttribute("jumpencen", output.get(4));
        request.setAttribute("jumganjaran", output.get(5));
        request.setAttribute("jumgcr", output.get(6));
        request.setAttribute("tbayar_tahun", output.get(7));
    } else if (tiadaganjaran.equals("1")) {
        request.setAttribute("umursara2", output.get(0));
        request.setAttribute("umursara1", output.get(1));
        request.setAttribute("bulankhid", output.get(3));
        request.setAttribute("jumpencen", "0.00");
        request.setAttribute("jumganjaran", "0.00");
        request.setAttribute("jumgcr", "0.00");
        request.setAttribute("tbayar_tahun", "");
        request.setAttribute("NOTIFICATION",
            "Tidak layak untuk besara pilihan pada tarikh yang telah diberikan kerana umur kurang
dari 40 tahun!");
    } else {
        request.setAttribute("umursara2", output.get(0));
        request.setAttribute("umursara1", output.get(1));
        request.setAttribute("bulankhid", output.get(3));
        request.setAttribute("jumpencen", "0.00");
        request.setAttribute("jumganjaran", "0.00");
        request.setAttribute("jumgcr", "0.00");
        request.setAttribute("tbayar_tahun", "");
        request.setAttribute("NOTIFICATION",
            "Tidak layak untuk menerima ganjaran kerana tempoh perkhidmatan yang boleh dimasukkira
kurang dari 10 tahun (120 bulan)");
    }

    dispatcher = request.getRequestDispatcher("/index.jsp");
    dispatcher.forward(request, response);

}

public ArrayList<String> getPensionDetail(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    ArrayList<String> PensionDetail = new ArrayList<String>();
    String tlahir1 = request.getParameter("tlahir1");
    String tlahir2 = request.getParameter("tlahir2");
    String tlahir3 = request.getParameter("tlahir3");

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String tmkhidmat1 = request.getParameter("tmkhidmat1");
String tmkhidmat2 = request.getParameter("tmkhidmat2");
String tmkhidmat3 = request.getParameter("tmkhidmat3");
String gaji = request.getParameter("gaji");
String imbuhant = request.getParameter("imbuhant");
String gcuti = request.getParameter("gcuti");
String cutihari = request.getParameter("cutihari");
String cutibulan = request.getParameter("cutibulan");
String cutitahun = request.getParameter("cutitahun");
String tsarapilih1 = request.getParameter("tsarapilih1");
String tsarapilih2 = request.getParameter("tsarapilih2");
String tsarapilih3 = request.getParameter("tsarapilih3");
String jantina = request.getParameter("jantina");
String listimewa = request.getParameter("listimewa");
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PensionDetail.add(tlahir1);
PensionDetail.add(tlahir2);
PensionDetail.add(tlahir3);
PensionDetail.add(tmkhidmat1);
PensionDetail.add(tmkhidmat2);
PensionDetail.add(tmkhidmat3);
PensionDetail.add(gaji);
PensionDetail.add(imbuhant);
PensionDetail.add(gcuti);
PensionDetail.add(cutihari);
PensionDetail.add(cutibulan);
PensionDetail.add(cutitahun);
PensionDetail.add(tsarapilih1);
PensionDetail.add(tsarapilih2);
PensionDetail.add(tsarapilih3);
PensionDetail.add(jantina);
PensionDetail.add(listimewa);
```

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return PensionDetail;
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}
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}
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