Programmation orientée objet

Correction de TP4

Fichier "Identification.html"

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form method="post" action="Identif">
Login : <input type="text" name="login" placeholder="taper votre login ici..."/>
<br/>
Mot de passe : <input type="password" name="passwd" placeholder="taper votre mot de passe ici..."/>
<br/>
<input type="submit" name="valider" value="Envoyer"/>
</form>
</body>
</html>
```

Fichier "succes.html"

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h1>
Connexion établie...
</h1>
</body>
</html>
```

Fichier "echec.html"

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h1>
Connexion échouée...
</h1>
</body>
</html>
```

Classe Etudiant

```java
package org.isamm.javaee;

public class Etudiant {
	private int cin;
	private String nom;
	private float moy;

	public Etudiant() {
		super();
		// TODO Auto-generated constructor stub
	}

	public Etudiant(int cin, String nom, float moy) {
		super();
		this.cin = cin;
		this.nom = nom;
		this.moy = moy;
	}

	public int getCin() {
		return cin;
	}
	public void setCin(int cin) {
		this.cin = cin;
	}
	public String getNom() {
		return nom;
	}
	public void setNom(String nom) {
		this.nom = nom;
	}
	public float getMoy() {
		return moy;
	}
	public void setMoy(float moy) {
		this.moy = moy;
	}
}
```

Classe GestionEtudiants

```java
public class GestionEtudiants {
	static ArrayList<Etudiant> listeEtudiants = initialiserListeEtd();

	public static void insererEtudiant(Etudiant e) {
		listeEtudiants.add(e);
	}

	public static ArrayList<Etudiant> getListeEtudiants() {

		return listeEtudiants;
	}

	public static Etudiant findByCin(String cin) {
		for (Etudiant etd : listeEtudiants) {
			if (etd.getCin().equals(cin))
```

```java
                        return etd;
            }
            return null;
    }

    private static ArrayList<Etudiant> initialiserListeEtd() {
            listeEtudiants = new ArrayList<Etudiant>();
            Etudiant etd1 = new Etudiant("44332211", "Foulen", 12.2);
            listeEtudiants.add(etd1);
            etd1 = new Etudiant("11223344", "TOTO", 14.2);
            listeEtudiants.add(etd1);
            etd1 = new Etudiant("12345678", "TITI", 16.2);
            listeEtudiants.add(etd1);
            etd1 = new Etudiant("87654321", "A", 12.2);
            listeEtudiants.add(etd1);
            etd1 = new Etudiant("98745632", "B", 12.2);
            listeEtudiants.add(etd1);
            return listeEtudiants;
    }

}
```

Fichier "insertion.html"

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form method="post" action="InsertionEtudiant">
CIN : <input type="text" name="cin" placeholder="taper votre cin ici..."/>
<br/>
Nom : <input type="text" name="nom" placeholder="taper votre nom ici..."/>
<br/>
Moyenne : <input type="text" name="moy" placeholder="taper votre moyenne ici..."/>
<br/>
<input type="submit" name="valider" value="s'inscrire"/>
</form>
</body>
</html>
```

Servlet Identification

```java
package org.isamm.javaee;

import java.io.IOException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
```

```java
 * Servlet implementation class Identification
 */
@WebServlet("/Identif")
public class Identification extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Identification() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        //response.getWriter().append("Served at: ").append(request.getContextPath());
        String log  = request.getParameter("login");
        String pwd  = request.getParameter("passwd");
        if(log!=null && pwd!=null) {
            if(log.equals("admin") && pwd.equals("admin")) {
                RequestDispatcher rd = this.getServletContext().getRequestDispatcher("/insertion.html");
                rd.forward(request, response);
            }else {

    getServletContext().getRequestDispatcher("/echec.html").forward(request, response);
            }
        }
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }

}
```

Servlet InsertionEtudiant

```java
package org.isamm.javaee;

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

```java
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class InsertionEtudiant
 */
@WebServlet("/InsertionEtudiant")
public class InsertionEtudiant extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public InsertionEtudiant() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
        //response.getWriter().append("Served at:
").append(request.getContextPath());
        String cin = request.getParameter("cin");
        String nom = request.getParameter("nom");
        String moy = request.getParameter("moy");
        int cin1;
        float moy1;
        Etudiant etd;
        int[] t=new int[10];
        if(cin != null && nom != null && moy != null) {
            try {
                cin1 = Integer.parseInt(cin);
                moy1 = Float.parseFloat(moy);
                etd = new Etudiant(cin1,nom,moy1);
                GestionEtudiants.ajouterEtudiant(etd);
            }catch(NumberFormatException e) {
                System.out.println(" format invalide...");

            }
        }

    this.getServletContext().getRequestDispatcher("/AffichageEtudiants").forward(re
quest, response);

    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
```

```java
        doGet(request, response);
    }
}
```

Servlet AffichageEtudiants

```java
package org.isamm.javaee;

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;

/**
 * Servlet implementation class AffichageEtudiants
 */
@WebServlet("/AffichageEtudiants")
public class AffichageEtudiants extends HttpServlet {
    private static final long serialVersionUID = 1L;


    /**
     * @see HttpServlet#HttpServlet()
     */
    public AffichageEtudiants() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
        //response.getWriter().append("Served at:
").append(request.getContextPath());set
        response.setContentType("text/html");
        PrintWriter pw = response.getWriter();
        pw.print("<table border=1>");
        pw.print("<tr><th>CIN</th><th>Nom</th><th>Moyenne</th> </tr>");
        for(Etudiant etd : GestionEtudiants.getListe()) {
            pw.print("<tr>");
            pw.print("<td>"+etd.getCin()+"</td>");
            pw.print("<td>"+etd.getNom()+"</td>");
            pw.print("<td>"+etd.getMoy()+"</td>");
            pw.print("</tr>");
        }
        pw.print("</table>");
        pw.print("<a href='http://localhost:8080/Jee-2im-25/insertion.html'>
Ajouter encore...</a>");

    }
```

```java
	/**
	 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
	 */
	protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
		// TODO Auto-generated method stub
		doGet(request, response);
	}

}
```