SERVLET - DAY 2 ASSIGNMENT

Harshit Kushmakar | 16896

- 1. Create a form that accepts a name, password and pass it on to the servlet
- a. The receiving servlet should check the name and password against a hard coded

list of name-password pairs stored in a HashMap.

b. HashMap should be initialized with some dummy usernames and passwords in

the constructor/init method of the servlet.

c. Servlet should return either 'Name/Password Match' or 'Name/Password Does

Not Match' back to client.

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;
import javax.servlet.http.*;
import javax.util.*;

@WebServlet("/LoginServlet")

public class LoginServlet extends HttpServlet {
    private Map<String, String> userPasswords;
    public void init() throws ServletException {
        userPasswords = new HashMap<String, String>();
        userPasswords.put("kushmakar", "kushmakar12");
        userPasswords.put("suman", "suman12");
        userPasswords.put("Charlie", "charlie12");
    }

    public void doGet(HttpServletRequest request, HttpServletResponse response) throws IOException {
        String name = request.getParameter("name");
        String password = request.getParameter("password");
    }
}
```

```
if (userPasswords.containsKey(name) &&
userPasswords.get(name).equals(password)) {
          response.setContentType("text/html");
          PrintWriter out = response.getWriter();
          out.println("Name/Password Match");
     } else {
          response.setContentType("text/html");
          PrintWriter out = response.getWriter();
          out.println("Name/Password Does Not Match");
     }
}
```



Name/Password Match

	, ,
← → G	(i) localhost:8078/WebServlet
Name:	
Password:	
Login	

2. In the above Question, use forward and redirect. If the username and password is correct, set a request attribute named "message" and the value for the same is "'Name/Password Match". Forward the request using RequestDispatcher forward() method to another servlet and print all three values there — Username and password entered by user and the 'message' attribute. If the password is incorrect, redirect the request to an error page using ServletResponse.sendRedirect().



Username: null

Password: null

Message: null

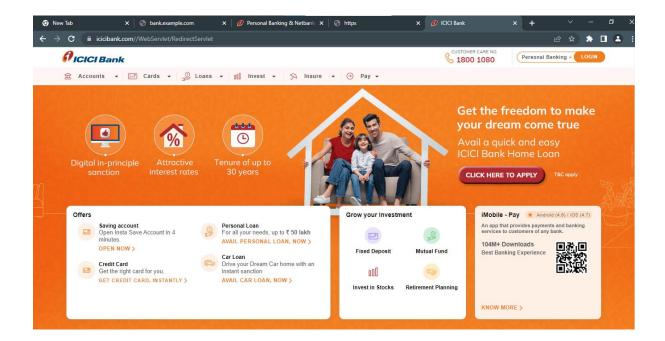
3. In the above question, replace sendRedirect() method with sendError() method.

```
oackage servletassignment2;
```

} }

4. Write a servlet that redirects requests form one host to another host, giving an explanation to the client before the redirection. As we generally see during payment and request will be redirected to bank website.

```
public void doGet(HttpServletRequest request, HttpServletResponse
    response.setContentType("text/html");
```



5. Create a servlet that displays the servlet config and servlet context parameters. For this purpose, you can create more than one servlet.

```
out.println("<html>");
out.println("<head><title>Servlet Context Example</title></head>");
out.println("<body>");
out.println("<hl>Servlet Context Example</hl>");
out.println("Company Name: " + companyName + "");
out.println("Address: " + address + "");
out.println("Phone: " + phone + "");
out.println("hody></html>");
}

New Tab

X
S
bank.example.com
D
Personal Bank

C
O
I localhost:8078/WebServlet/ServletContextExample
```

Servlet Context Example

Company Name: null

Address: null

Phone: null

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

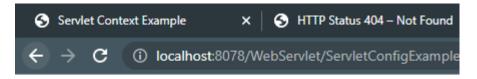
@WebServlet("/ServletConfigExample")
public class ServletConfigExample extends HttpServlet {
    private String message;
    public void init(ServletConfig config) throws ServletException {
        super.init(config);
        message = config.getInitParameter("message");
    }

    public void doGet(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {
        // Set the response content type to HTML
        response.setContentType("text/html");

        PrintWriter out = response.getWriter();
        out.println("<html>");
```

```
out.println("<head><title>Servlet Config Example</title></head>");
   out.println("<body>");
   out.println("<h1>Servlet Config Example</h1>");
   out.println("Message: " + message + "");
   out.println("</body></html>");
}
```



Servlet Config Example

Message: null

6. Map error-code '404' with an underconstruction.html page. Whenever 404 error occurs, instead of showing the default error page, it shows 'underconstruction.html' page.

7. Map java.lang.Exception with an ErrorServlet.