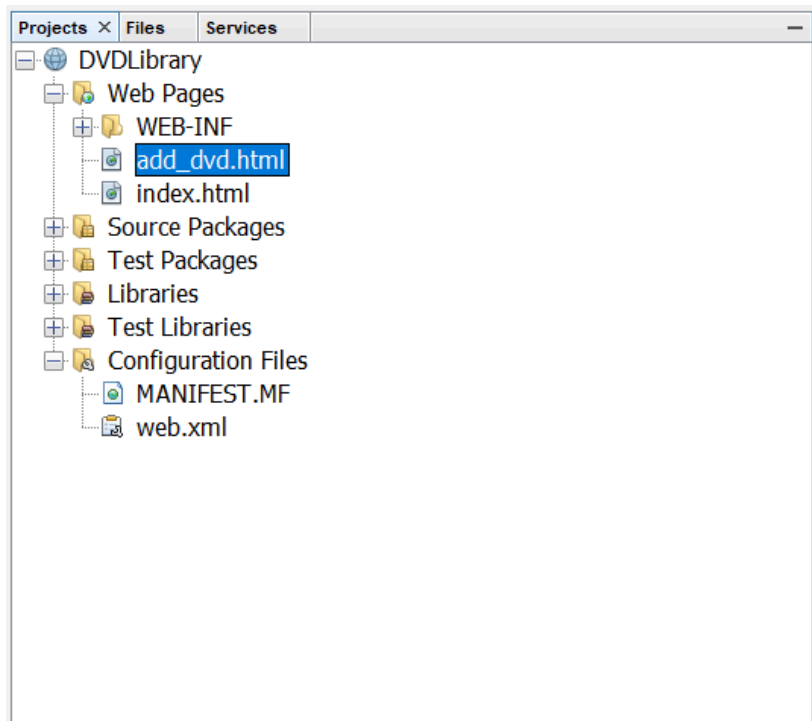


LAB 5 WEEK 4 - CSC584

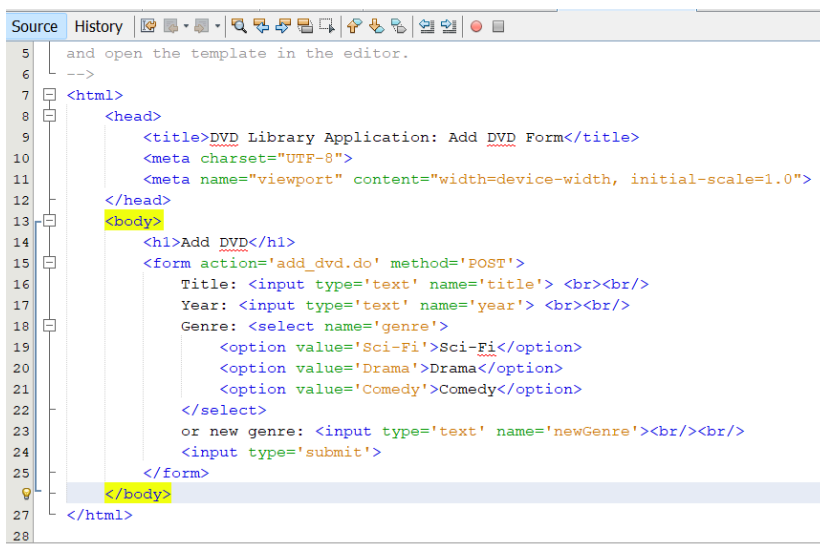
1. Developing the AddDVD form

TASK 1: Develop the HTML Form

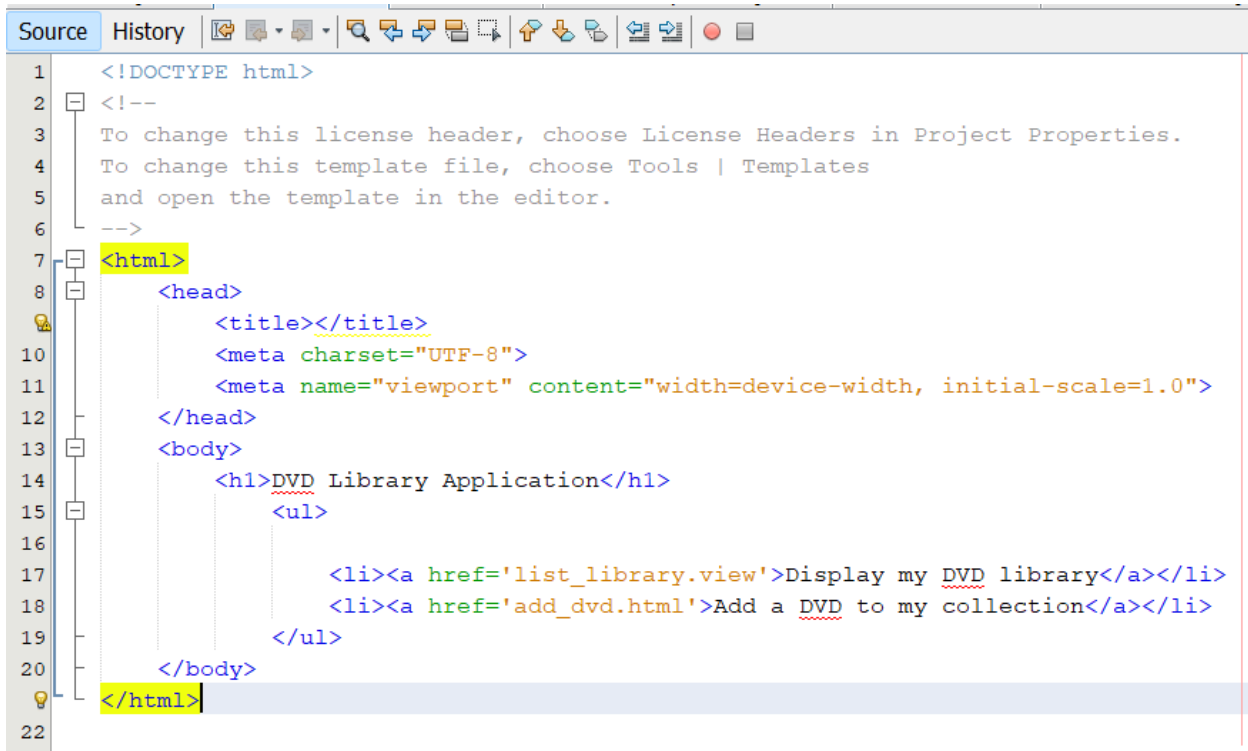
a)



b) + c)




TASK 2: Modify the Home Page



```
1 <!DOCTYPE html>
2 <!--
3 To change this license header, choose License Headers in Project Properties.
4 To change this template file, choose Tools | Templates
5 and open the template in the editor.
6 -->
7 <html>
8 <head>
9 <title></title>
10 <meta charset="UTF-8">
11 <meta name="viewport" content="width=device-width, initial-scale=1.0">
12 </head>
13 <body>
14 <h1>DVD Library Application</h1>
15 <ul>
16
17 <li><a href='list_library.view'>Display my DVD library</a></li>
18 <li><a href='add_dvd.html'>Add a DVD to my collection</a></li>
19 </ul>
20 </body>
21 </html>
22
```

Task 3: Deploy the web application



```
html > head > title >
Variables Output X
Java DB Database Process x GlassFish Server (1) x DVDLibrary (run-deploy) x
ant -f C:\Users\nasru\OneDrive\Documents\NetBeansProjects\DVDLibrary -Dmb.internal.action.name=redeploy -Ddirectory.deployment.supported=true -DforceRedeploy=true -Dmb.wait.for.cach
init:
deps-module-jar:
deps-ear-jar:
deps-jar:
library-inclusion-in-archive:
library-inclusion-in-manifest:
compile:
compile-jsp:
In-place deployment at C:\Users\nasru\OneDrive\Documents\NetBeansProjects\DVDLibrary\build\web
run-deploy:
BUILD SUCCESSFUL (total time: 0 seconds)
```

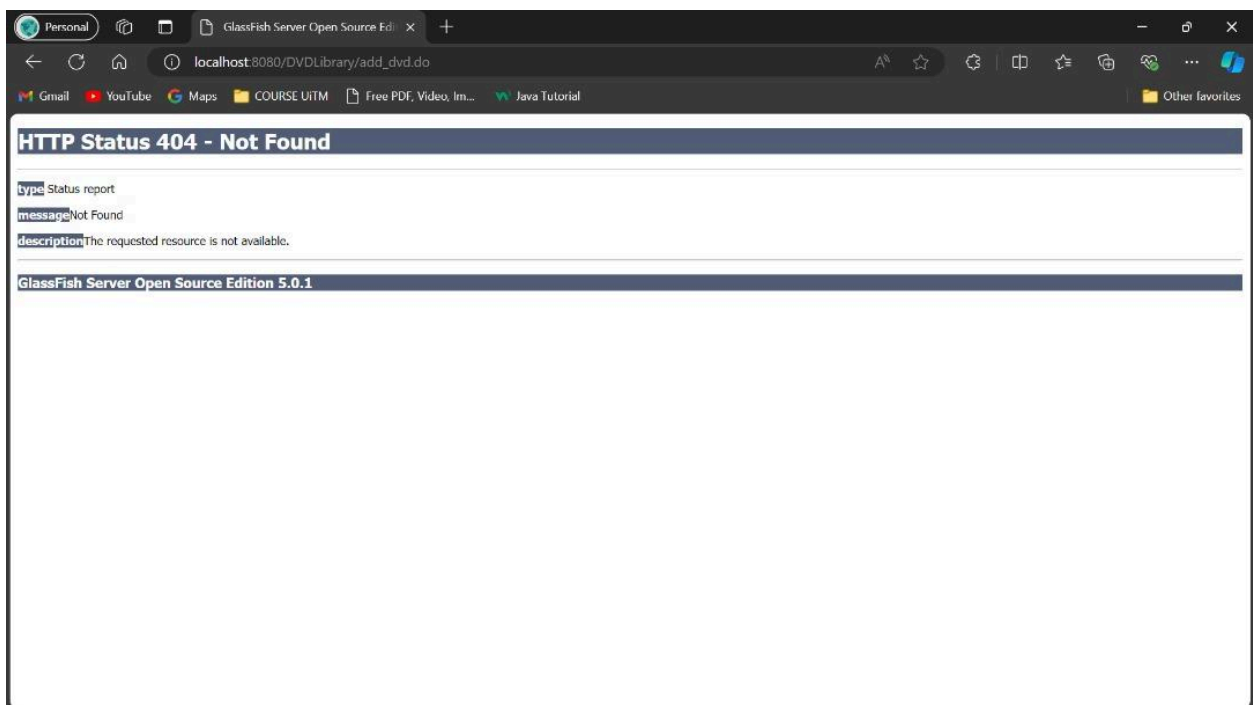
Task 4: Test the AddDVD Form

Add DVD

Title:

Year:

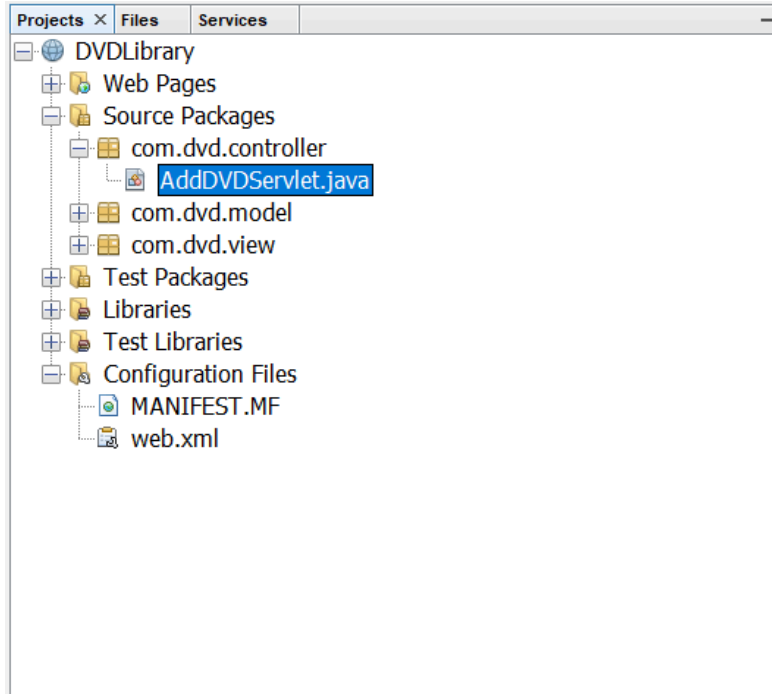
Genre: or new genre:



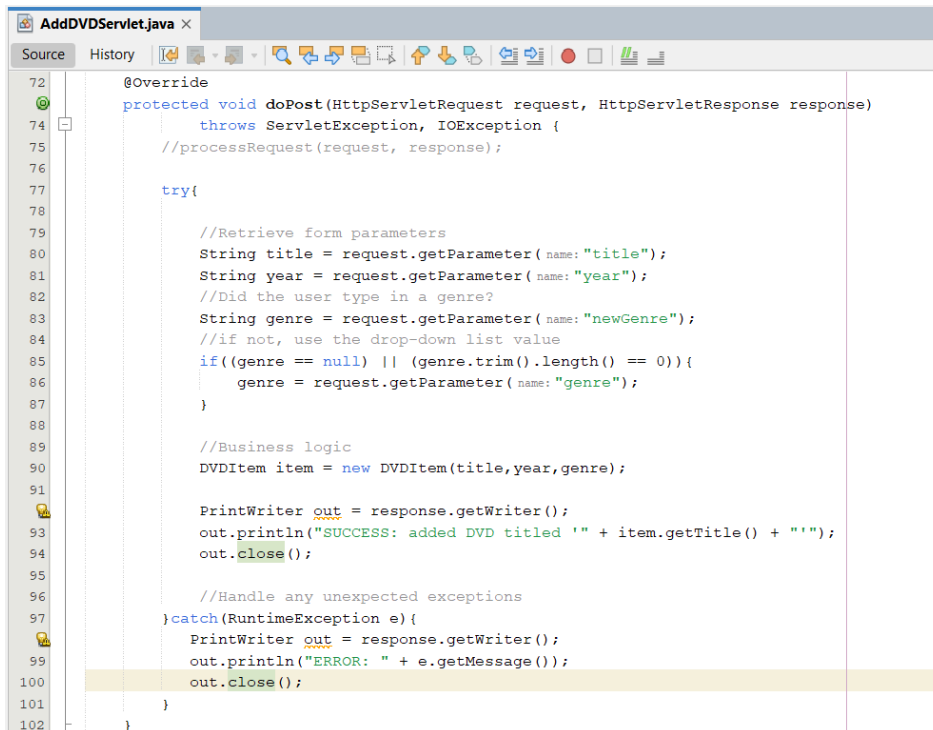
2. Developing a controller servlet

Task 1: Develop the controller Servlet

a)



b) + c)



Task 2: Deploy the Web Application & TASK 3: Test the AddDVDServlet

SUCCESS: added DVD titled 'Boboiboy The Movie'

3. Developing the success view servlet

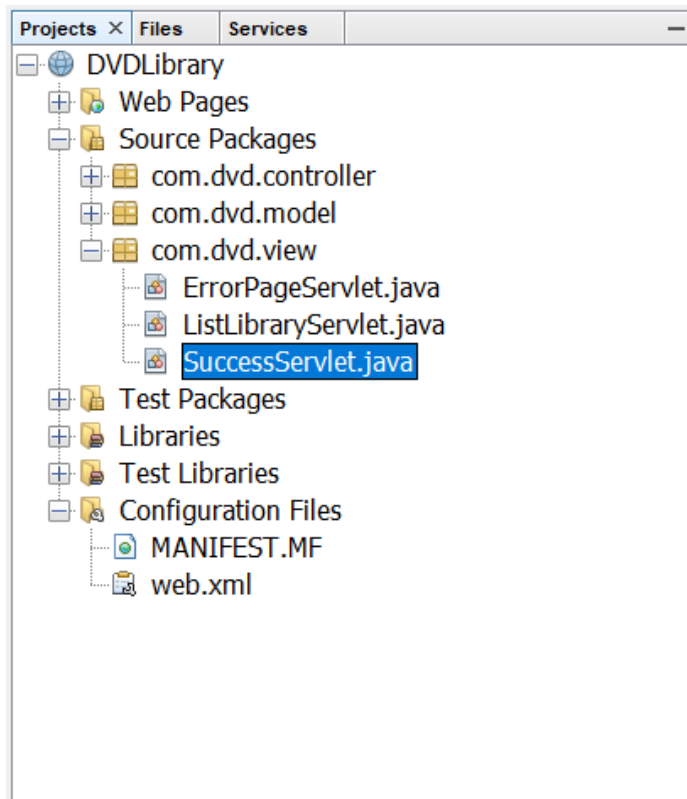
Task 1: Modify the Add DVD Controller Servlet

```
//Business logic
DVDItem item = new DVDItem(title,year,genre);

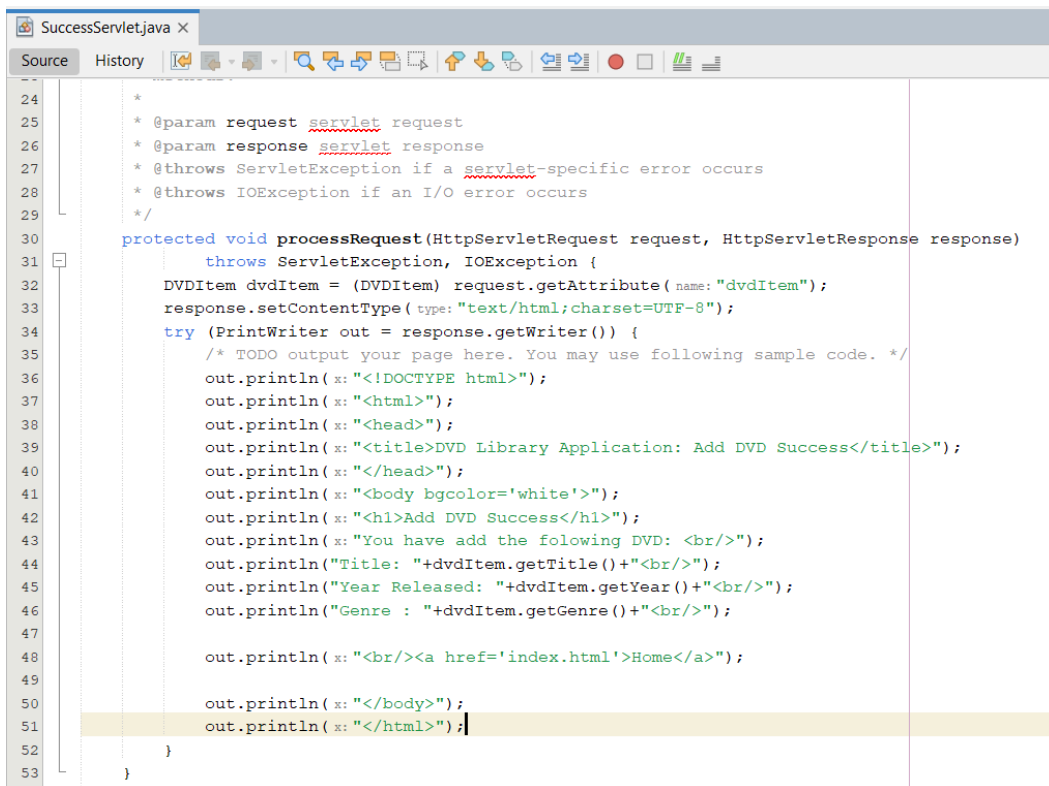
//Store the item on the request-scope
request.setAttribute("dvdItem", item);

//Dispatch to success view
RequestDispatcher view = request.getRequestDispatcher("/success.view");
view.forward(request, response);
```

Task 2: Develop the success View Servlet



b) + c) + d)



Task 3: Deploy the Web Application

Add DVD Success

You have add the following DVD:

Title: Boboiboy The Movie

Year Released: 2015

Genre: Animation

[Home](#)

4. Developing the Error View Servlet

Task 1: Modify the Add DVD Controller Servlet

a) + b) + c) + d)

```
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    //processRequest(request, response);
    List errorMsgs = new LinkedList();

    try{
        //Retrieve form parameters
        String title = request.getParameter("title");
        String year = request.getParameter("year");
        //Did the user type in a genre?
        String genre = request.getParameter("newGenre");
        // if not, use the drop-down list value
        if( (genre == null) || (genre.trim().length() == 0 ) {
            genre = request.getParameter("genre");
        }

        //Form verification
        if( title == null || title.trim().length() == 0){
            errorMsgs.add("Please enter the DVD title. ");
        }
        if( year == null || year.trim().length() == 0){
            errorMsgs.add("Please enter the year of released for the DVD. ");
        }
        else if( !year.trim().matches("\\d\\d\\d\\d\\d\\d")){
            errorMsgs.add("Please enter a valid year.");
        }

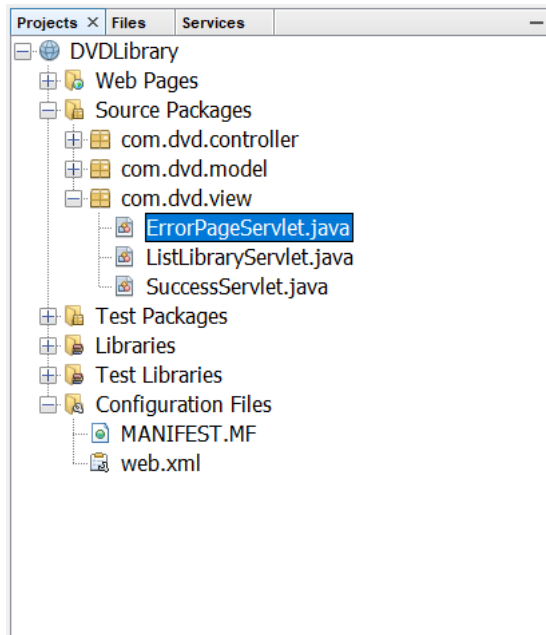
    }
    if( ! errorMsgs.isEmpty() ){
        request.setAttribute("errorMsgs", errorMsgs);
        RequestDispatcher view = request.getRequestDispatcher ("/error.view");
        view.forward(request, response);
        return;
    }
}
```

e)

```
        //Handle any unexpected exceptions
    } catch (RuntimeException e) {
        errorMsgs.add("An unexpected error: " + e.getMessage());
        request.setAttribute("errorMsgs", errorMsgs);
        RequestDispatcher view = request.getRequestDispatcher ("/error.view");
        view.forward(request, response);
    }
}
```


Task 2: Create the Error View Servlet

a)



Task 3: Configure the Error View Servlet



Task 4: Deploy the Web Application

Add DVD

Title:

Year:

Genre: or new genre:

Error report

Please correct the following errors:

- Please enter a valid year.

[Back up and try again](#)