



Netscore

프로젝트 팀원 : 강현, 이한얼

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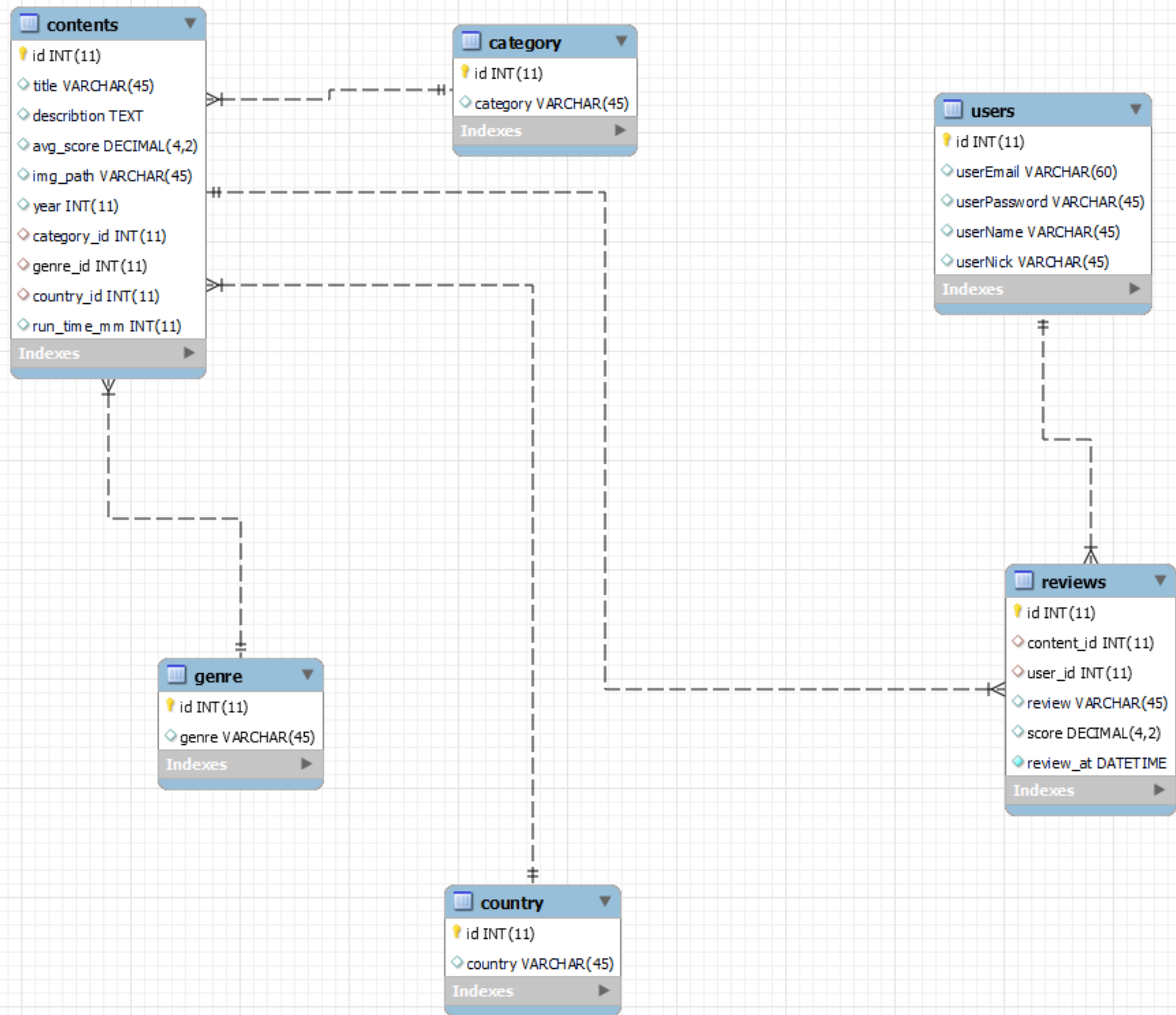
프로젝트 기획

넷플릭스 이용자가 넷플릭스에서 제공되는 콘텐츠의 시청 후기 및 평가 사이트 만들기



데이터 베이스 구성도

총 6개의 테이블로 구성 후
ID값마다 Reference를 주었다.



Layout

1. 메인 페이지에 공통적으로 적용될 디자인 및 테이블 디자인은 main.css에 입력
2. Slide 기능과 Dropdown 등의 페이지 기능 구성에 추가될 내용은 jquery와 bootStrap을 사용

주요 구현 코드

1. 로그인 및 회원가입

2. Best TOP 10

3. 카테고리별 리스트

4. 리뷰 작성 및 삭제

5. 검색 및 로그아웃

NETSCORE

Sign In

Login

MOVIE TV SHOWS VARIETY SHOWS

Search



Weekly HOT

NETSCORE

Sign InLogin

MOVIE TV SHOWS VARIETY SHOWS

Search

← 이미지 준비중 →

HOT 10

Number	Image	Title	Score	Year	Category	Genre	Country	Runtime
--------	-------	-------	-------	------	----------	-------	---------	---------

Windows 정품 인증
[설정]으로 이동하여 Windows를 정품 인증합니다

BDCAMSETUP_KOR.EXE

PPT.txt

이한업 교육이수증.png

netscore_users.sql

netscore_category0.sql

netscore_contents0.sql

netscore_country0.sql

모두 표시

오전 3:34

2022-12-22

NETSCORE

Logout MY

MOVIE TV SHOWS VARIETY SHOWS

Search



HOT 10

Number	Image	Title	Score	Year	Category	Genre	Country	Runtime
--------	-------	-------	-------	------	----------	-------	---------	---------

Windows 정품 인증
[설정]으로 이동하여 Windows를 정품 인증합니다

NETSCORE

LogoutMY

MOVIE TV SHOWS VARIETY SHOWS

Search

이미지 준비중

HOT 10

Number	Image	Title	Score	Year	Category	Genre	Country	Runtime
--------	-------	-------	-------	------	----------	-------	---------	---------

Windows 정품 인증
[설정]으로 이동하여 Windows를 정품 인증합니다.

BDCAMSETUP_KOR.EXE PPT.txt 이한업 교육이수증.png netscore_users.sql netscore_category0.sql netscore_contents0.sql netscore_country0.sql 모두 표시

오전 3:38
2022-12-22

NETSCORE

LogoutMY

MOVIE TV SHOWS VARIETY SHOWS

Search

← 이미지 준비중 →

HOT 10

Number	Image	Title	Score	Year	Category	Genre	Country	Runtime
--------	-------	-------	-------	------	----------	-------	---------	---------

Windows 정품 인증
[설정]으로 이동하여 Windows를 정품 인증합니다

BDCAMSETUP_KOR.EXE

PPT.txt

이한업 교육이수증.png

netscore_users.sql

netscore_category0.sql

netscore_contents0.sql

netscore_country0.sql

모두 표시

오전 3:37

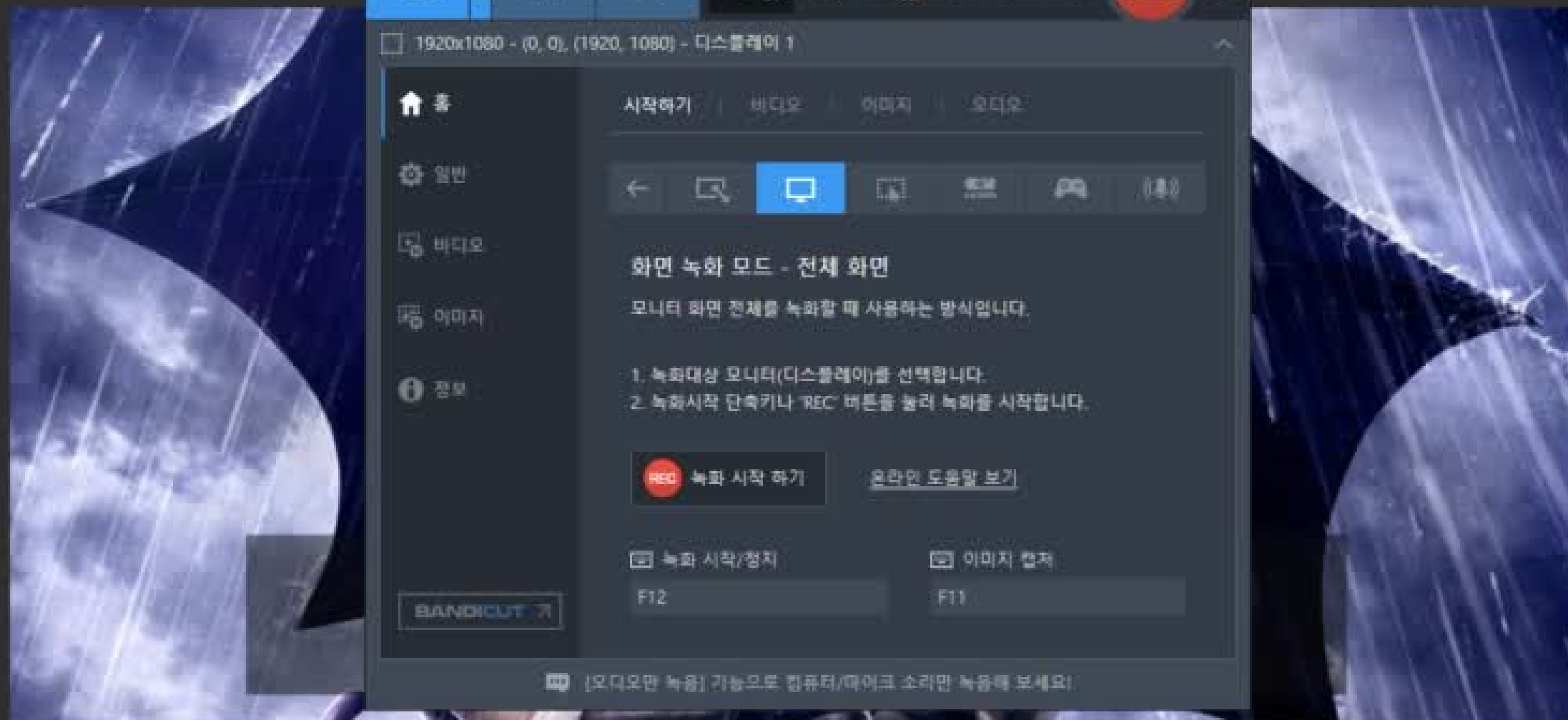
2022-12-22

NETSCORE

Sign In Login

MOVIE TV SHOWS VARIETY SHOWS

Search



HOT 10

Number	Image	Title	Score	Year	Category	Genre	Country	Runtime
1		아는 형님	2.0	2015	버라이어티	코미디	한국	60분

개발 환경

1. 프로그램 툴 : Eclipse IDE 4.25
2. 웹 서버: Apache tomcat 9.0
3. JDK: Amazon Correto jdk 11
4. Jquery 버전 : <https://cdn.jsdelivr.net/npm/jquery@3.6.1/dist/jquery.slim.min.js>
5. bootstrap 버전 : <https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.bundle.min.js>
6. 데이터 베이스 : Mysql Workbench 8.0 CE
7. 운영체제: Windows 10
8. 언어: JAVA , SQL

JSP MVC 구성

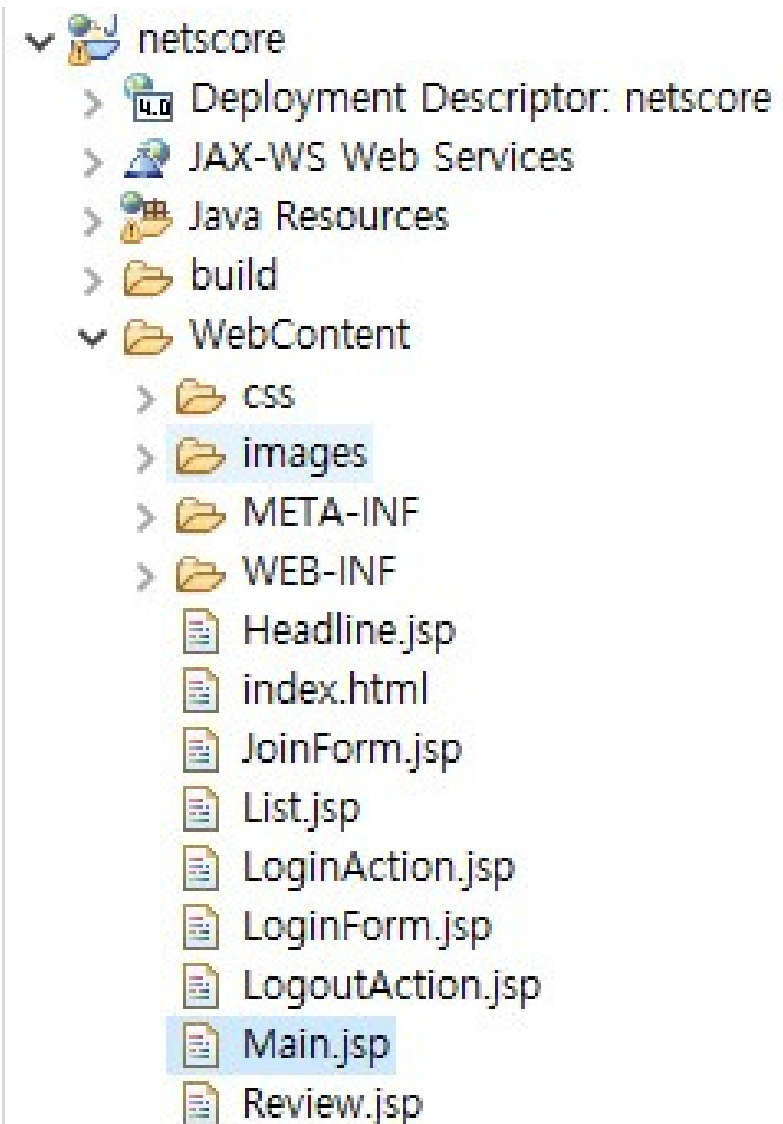
M : Contents

M: ContentsDbUtil

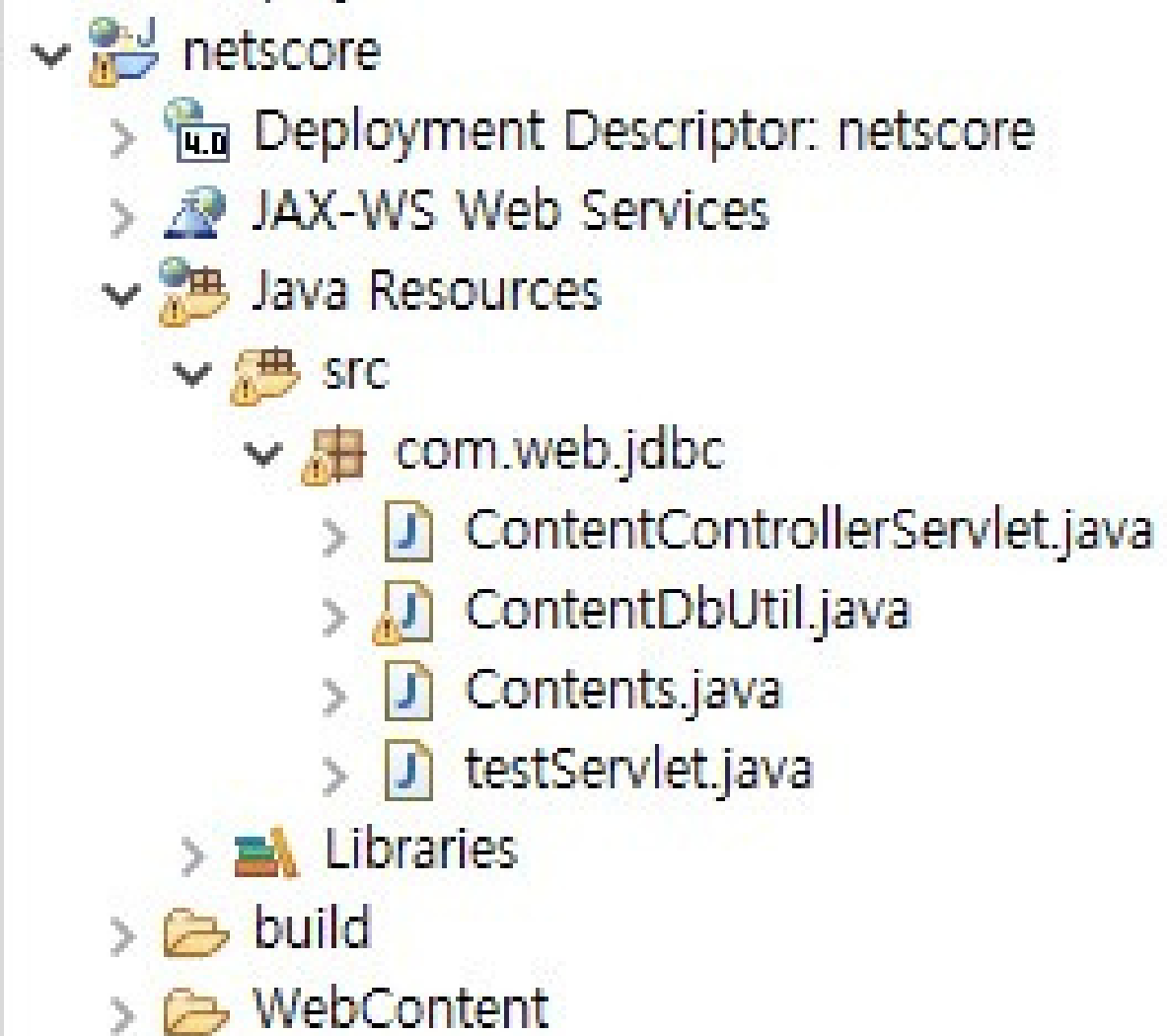
C : ContentControllerServlet

V : WebContents.jsp

Viewer의 JSP 목록



Model 및 Controller 목록



MVC Model 예시

```
6
7 //-----contents values-----
8 //minutes
9
10 public Contents(int content_id, String title, String description, float avg_score, String img_path, int year, int category_id,
11                 int genre_id, int country_id, int run_time) {
12     super();
13     this.content_id = content_id;
14     this.title = title;
15     this.description = description;
16     this.avg_score = avg_score;
17     this.img_path = img_path;
18     this.year = year;
19     this.category_id = category_id;
20     this.genre_id = genre_id;
21     this.country_id = country_id;
22     this.run_time = run_time;
23 }
24 private int content_id;
25
26 private String title;
27
28 private String description;
29
30 private float avg_score;
31
32 private String img_path;
33
34 private int year;
35
36 private int category_id;    // 1.movie 2.series 3.variety
```

MVC Model 예시

DB의 contents의 LIST를 불러오는 메소드

```
public List<Contents> getContents(String sortBy) throws Exception {
    List<Contents> contents = new ArrayList<>();
    StringBuilder stb = new StringBuilder("SELECT * FROM contents");
    stb.append(sortBy);
    String sql = stb.toString();
    try {
        conn = dataSource.getConnection();
        mySt = conn.createStatement();
        myRs = mySt.executeQuery(sql);

        while(myRs.next()) {
            int content_id = myRs.getInt("id");
            String title = myRs.getString("title");
            String description = myRs.getString("description");
            float avg_score = myRs.getFloat("avg_score");
            String img_path = myRs.getString("img_path");
            int year = myRs.getInt("year");
            int category_id = myRs.getInt("category_id");
            int genre_id = myRs.getInt("genre_id");
            int country_id = myRs.getInt("country_id");
            int run_time = myRs.getInt("run_time_mm");
            Contents tempContents = new Contents(content_id, title, description, avg_score, img_path, year, category_id, genre_id, country_id, run_time);
            contents.add(tempContents);
        }
        return contents;
    }finally {
        close(conn, mySt, myRs);
    }
}
```


MVC Viewer 예시

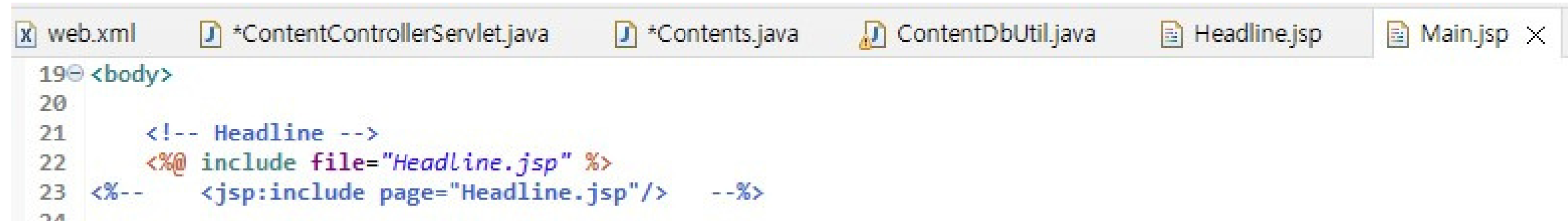
Headline.jsp 파일에 화면 이동 시 공통적으로 표현될 부분을 정리하여 각 화면에 includ 하는 방식을 선택

```
*ContentControllerServlet.java *Contents.java ContentDbUtil.java Headline.jsp X
```

```
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>  
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.bundle.min.js"></script>  
<link type="text/css" rel="stylesheet" href="css/Main.css">  
</NETSCORE</title>  
  
headline -->  
<div class="head-line">  
    <!-- Go main page btn-->  
    <a href="ContentControllerServlet">  
  
    <!-- User's btn -->  
  
    <% if(session.getAttribute("userInfo") == null){  
        %>  
        <div class="btn-group" style="float:right;">  
            <a href="JoinForm.jsp"><button type="button" class="btn btn-dark">Sign In</button></a>  
            <a href="LoginForm.jsp"><button type="button" class="btn btn-dark">Login</button></a>  
        </div>  
    }else if(session.getAttribute("userInfo") != null){  
        %>  
        <div class="btn-group" style="float:right;">  
            <a href="LogoutAction.jsp"><button type="button" class="btn btn-dark">Logout</button>  
            <div class="btn-group">  
                <button type="button" class="btn btn-dark dropdown-toggle" data-toggle="dropdown">  
                    MY  
                </button>  
                <div class="dropdown-menu">  
                    <a class="dropdown-item" href="LogoutAction.jsp">Logout</a>  
                </div>  
            </div>  
        </div>  
    }%>
```

MVC Viewer 예시

Main.jsp 파일에 linclud 활용한 예

A screenshot of an IDE window showing a JSP file named Main.jsp. The window has a tab bar at the top with several open files: web.xml, *ContentControllerServlet.java, *Contents.java, ContentDbUtil.java, Headline.jsp, and Main.jsp. The Main.jsp file is selected and its content is displayed in the editor. The code shows an XML-style body tag with a comment and an include directive.

```
19 <body>
20
21     <!-- Headline -->
22     <%@ include file="Headline.jsp" %>
23 <%--     <jsp:include page="Headline.jsp"/>     --%>
24
```

MVC Viewer 예시

ContentControllerServlet.java

*Contents.java

ContentDbUtil.java

Headline.jsp



```
"navbar navbar-expand-lg navbar-dark bg-dark" style="margin:20px 0;">
class="collapse navbar-collapse" id="navb">
class="navbar-nav mr-auto">
url var="movie" value="/ContentControllerServlet">
  <c:param name="command" value="LIST"/>
  <c:param name="category_id" value="1"/>
: url>
url var="series" value="/ContentControllerServlet">
  <c:param name="command" value="LIST"/>
  <c:param name="category_id" value="2"/>
: url>
url var="variety" value="/ContentControllerServlet">
  <c:param name="command" value="LIST"/>
  <c:param name="category_id" value="3"/>
: url>
  class="nav-item active">
a class="nav-link" href="${movie}">MOVIE</a>
i>
  class="nav-item active">
a class="nav-link" href="${series}">TV SHOWS</a>
i>
  class="nav-item active">
a class="nav-link" href="${variety}">VARIETY SHOWS</a>
```

category_id 파라미터에 VALUE값을 입력하여
하나의 페이지에서 카테고리별 리스트가 표출 가능하도록 설정

MVC Controller 예시

```
*ContentControllerServlet.java × *Contents.java ContentDbUtil.java
see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    request.setCharacterEncoding("utf-8");
    try{
        String theCommand = request.getParameter("command");

        if(theCommand == null) {
            theCommand="MAIN";
        }
        switch(theCommand) {
            case "MAIN":
                listPopular(request, response);
                break;
            case "LIST":
                listContents(request, response);
                break;
            case "SEARCH":
                searchContents(request, response);
                break;
            case "LOAD":
                loadReviews(request, response); //load review page
                break;
            case "DELETE":
                deleteReviews(request, response); //delete review & refresh
                break;
        }
    } catch (Exception e) {
        throw new ServletException(e);
    }
}
```


MVC Controller 예시

```
web.xml *ContentControllerServlet.java *Contents.java ContentDbUtil.java
67 }
68 }
69 // contents list ordered by category(1.movie, 2.series, 3.variety)
70 private void listContents(HttpServletRequest request, HttpServletResponse response) throws Exception {
71     String theCategory_id = request.getParameter("category_id");
72     try {
73         List<Contents> contents = contentDbUtil.getContents(" WHERE category_id = "+theCategory_id);
74         request.setAttribute("contents_list", contents);
75     } catch (Exception e) {
76         e.printStackTrace();
77     }
78     RequestDispatcher dispatcher = request.getRequestDispatcher("/List.jsp");
79     dispatcher.forward(request, response);
80 }
81
82 private void deleteReviews(HttpServletRequest request, HttpServletResponse response) throws Exception {
83     int theReview_id = Integer.parseInt(request.getParameter("review_id"));
84     int theContent_id = Integer.parseInt(request.getParameter("content_id"));
85     contentDbUtil.deleteReview(theReview_id);
86     response.sendRedirect(request.getContextPath() + "/ContentControllerServlet?command=LOAD&content_id="+theContent_id);
87 }
88
89
90
91
92 // shows content's inform and reviews
93 private void loadReviews(HttpServletRequest request, HttpServletResponse response) throws Exception {
94     String theContent_id = request.getParameter("content_id");
95     try {
96         List<Contents> content_info = contentDbUtil.getContents(" WHERE id = " + theContent_id);
97         request.setAttribute("content_info", content_info);
98         List<Contents> reivews = contentDbUtil.getReviews(" WHERE content_id = " + theContent_id);
99         request.setAttribute("content_reviews", reivews);
100     } catch (Exception e) {
101         e.printStackTrace();

```

DB 연동 방식

Mysql에 생성된 DB를 Resource로 설정 후 계정 정보와 리턴값 및 driverClass를 Mysql로 설정



The screenshot shows an IDE window with four tabs: web.xml, server.xml, context.xml, and testServlet.java. The context.xml file is active, displaying XML code for a <Context> element. Inside the context, there is a <Resource> element configured for a MySQL database. The driverClassName is set to com.mysql.cj.jdbc.Driver, and the url is jdbc:mysql://localhost:3306/netscore?useSSL=false&serv. The driverClassName attribute is currently selected with the mouse.

```
web.xml  x server.xml  x context.xml  x testServlet.java
Bind to grammar/schema...
1 <Context>
2
3   <Resource name="jdbc/netscore"
4       auth="Container" type="javax.sql.DataSource"
5       maxActive="20" maxIdle="5" maxWait="10000"
6       username="webstudent" password="webstudent"
7       driverClassName="com.mysql.cj.jdbc.Driver"
8       url="jdbc:mysql://localhost:3306/netscore?useSSL=false&serv
9
10 </Context>
11
```

DB 연동 방식

```
web.xml  server.xml  context.xml  testServlet.java  ContentControllerServlet.java X
1 package com.web.jdbc;
2
3+ import java.io.IOException;
14
15- /**
16  * Servlet implementation class ContentControllerServlet
17  */
18 @WebServlet("/ContentControllerServlet")
19 public class ContentControllerServlet extends HttpServlet {
20     private static final long serialVersionUID = 1L;
21
22     private ContentDbUtil contentDbUtil;
23
24- @Resource(name = "jdbc/netscore")
25     private DataSource dataSource;
26
27
28- @Override
29     public void init() throws ServletException {
```

로그인의 세션 설정

```
web.xml  LogoutAction.jsp  LoginAction.jsp  ContentControllerServlet.java  X
30
31
32
33 private void checkUser(HttpServletRequest request, HttpServletResponse response) throws Exception {
34     String checkEmail = request.getParameter("userEmail");
35     String checkPassword = request.getParameter("userPassword");
36     List<Contents> user = contentDbUtil.getUser(checkEmail);
37     try {
38         if(user.isEmpty()) {                                     // no matching email
39             request.setAttribute("loginCheck", "wrong_email");
40         }else if(!user.get(0).getUserPassword().equals(checkPassword)){ // wrong password
41             request.setAttribute("loginCheck", "wrong_password");
42         }else if(user.get(0).getUserPassword().equals(checkPassword)) { // match password
43             request.setAttribute("loginCheck", user);
44         }else {
45             request.setAttribute("loginCheck", "wrong_something");
46         }
47     }
48     }catch(Exception e) {
49         e.printStackTrace();
50     }
51     RequestDispatcher dispatcher = request.getRequestDispatcher("/LoginAction.jsp");
52     dispatcher.forward(request, response);
53 }
```


로그인의 세션 연동

PrintWriter를 import하여 서블릿에서 설정해준 파라미터 값으로 조건문 설정 후


파라미터 값으로 로그인과 세션 설정 과정

```
12
13 <%
14     PrintWriter script = response.getWriter();
15     if(request.getAttribute("loginCheck") == "wrong_email"){
16         script.println("<script>");
17         script.println("alert('THERE IS NO MATCHING EMAIL')");
18         script.println("history.back()");
19         script.println("</script>");
20     }else if(request.getAttribute("loginCheck") == "wrong_password"){
21         script.println("<script>");
22         script.println("alert('MIGHT BE WRONG PASSWORD')");
23         script.println("history.back()");
24         script.println("</script>");
25     }else if(request.getAttribute("loginCheck") == "wrong_something"){
26         script.println("<script>");
27         script.println("alert('TRY AGAIN')");
28         script.println("history.back()");
29         script.println("</script>");
30     }else if(request.getAttribute("loginCheck") == "same_email"){
31         script.println("<script>");
32         script.println("alert('The email is already exists')");
33         script.println("history.back()");
34         script.println("</script>");
35     }else{
```

로그아웃의 세션 설정

Logout시 세션도 종료되도록 session.invalidate() 입력 후 팝업 생성 설정

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <%@ page import="java.util.*, java.io.PrintWriter, com.web.jdbc.*" %>
4 <!DOCTYPE html>
5 <html>
6 <head>
7     <meta charset="UTF-8">
8     <script src="https://cdn.jsdelivr.net/npm/jquery@3.6.1/dist/jquery.slim.min.js"></script>
9     <title>NETSCORE</title>
10 </head>
11 <body>
12
13 <%session.invalidate();%>
14
15 <script>
16     alert('See you agin');
17     location.href = 'ContentControllerServlet';
18 </script>
19
```



감사합니다.

강현, 이한얼