|  |  |
| --- | --- |
| **Project Case** |  |
| COMP6681 | COMP6681001  Web Programming |
| **Computer Science** | **O232-COMP6681-LC04602-00** |
| ***Valid on*** *Odd Semester Year 2022/2023* | **Revision 00** |

1. Seluruh kelompok tidak diperkenankan untuk:

*The whole group is not allowed to:*

* + - Melihat sebagian atau seluruh proyek kelompok lain,

*Seeing a part or the whole project from another groups*

* + - Menyadur sebagian maupun seluruh proyek dari buku,

*Adapted a part or the whole project from the book*

* + - Mendownload sebagian maupun seluruh proyek dari internet,

*Downloading a part or the whole project from the internet,*

* + - Mengerjakan soal yang tidak sesuai dengan tema yang ada di soal proyek,

*Working with another theme which is not in accordance with the existing theme in the matter of the project,*

* + - Melakukan tindakan kecurangan lainnya,

*Committing other dishonest actions,*

* + - Secara sengaja maupun tidak sengaja melakukan segala tindakan kelalaian yang menyebabkan hasil karyanya berhasil dicontek oleh orang lain / kelompok lain.

*Accidentally or intentionally conduct any failure action that cause the results of the project was copied by someone else / other groups.*

1. Jika kelompok terbukti melakukan tindakan seperti yang dijelaskan butir 1 di atas, maka **nilai kelompok** yang melakukan kecurangan (menyontek maupun dicontek) akan di – **NOL** – kan.

*If the group is proved to the actions described in point 1 above, the score of the group which committed dishonest acts (cheating or being cheated) will be “Zero”.*

1. Perhatikan jadwal pengumpulan proyek, segala jenis pengumpulan proyek di luar jadwal tidak dilayani.

*Pay attention to the submission schedule for the project, all kinds of submission outside the project schedule will not be accepted.*

1. Bila Anda tidak membaca peraturan ini, maka Anda dianggap telah membaca dan menyetujuinya.

*If you have missed to read these regulations, so you are considered to have read and agreed on it.*

1. Persentase penilaiaan untuk matakuliah ini adalah sebagai berikut:

*Marking percentage for this subject is described as follows:*

|  |  |  |
| --- | --- | --- |
| **Tugas Mandiri**  *Assignment* | **Proyek**  *Project* | **UAP**  *Final Exam* |
| - | 100% | - |

1. Software yang digunakan pada matakuliah ini adalah sebagai berikut:

*Software will be used in this subject are described as follows:*

|  |
| --- |
| **Software**  *Software* |
| Chrome / Firefox / Microsoft Edge  Laravel Framework 8  PHP Composer 2.1.5  PHP Storm 2021.1.4  Visual Studio Code  XAMPP 8.0.7 |

1. Ekstensi file yang harus disertakan dalam pengumpulan tugas mandiri, proyek, dan uap untuk matakuliah ini adalah sebagai berikut:

*File extensions should be included in assignment, project, and final exam collection for this subject are described as follows:*

|  |  |  |
| --- | --- | --- |
| **Tugas Mandiri**  *Assignment* | **Proyek**  *Project* | **UAP**  *Final Exam* |
| - | Folder Project (PHP, SQL, Image Files (JPG / PNG), ENV, HTML, CSS, SCSS, JS, JSON, HTACCESS, ARTISAN) | - |

General **Provisions**:

1. Use **MySQL** asdatabase and must using **Laravel Migration** features.
2. **All file upload** feature such as image and document must be **stored to server storage**.
3. Use PHP Framework **Laravel 8** to build the project.
4. Use Laravel **MVC** concept (**Model, View, Controller**) to build the project.
5. Use **Eloquent Query / Query Builder** to work with database.
6. You are free to design your own database table **based on given requirements**.
7. Use **middleware** with specified all role in this case.
8. Print screen given below is only an example. You are free to create your own user interfaces.
9. It is **prohibited** to install any kind of Laravel packages. You must use fresh installation of **Laravel 8**. Laravel UI package is allowed for authentication.
10. Only **validation** in the **backend** (using Laravel) will be graded.

## Soal

*Case*

**Movie List**

Movie List is a famous movie website made by a famous computer science student. In that website, people can find information about the Famous Movie’s list. This website enables the users to add the movie to their watchlist.

As a web developer, you are asked to create a website. There are three types of user’s role in this website: **Guest** (**non-logged-in user), User**, and **Admin**.

* + - 1. **Login**

This page allows user to log in to the website. Display an **error message** on the login page if user enters wrong combination of **Email** and **Password**.

If user has entered correct **Username** and **Password**, the page will be redirected to the **Home Page** **for User or Admin** based on the user’s role and **if user checks the “Remember Me**” checkbox, the website will save the **Username** and **Password** using cookies for **2 hours**.

A screenshot of a video game

Description automatically generated

***Figure 1. Login Page***

1. **Register**

This page allows guests to **register** themselves as Movie List User. Display an **error message** if user input incorrect personal data. The following table shows the existing fields on this page and the validation for each field:

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Username** | Must be **filled** with **minimum 5 characters and unique** |
| **Email Address** | Must be **filled** with **email validation** and **unique** |
| **Password** | Must be **filled** with **alphanumeric** and **minimum 6 characters length** |
| **Confirm Password** | Must be **filled** and **same with password** |
| **Date Joined** | Must be **filled** with **current time stamp** |

A screenshot of a computer

Description automatically generated with medium confidence

***Figure 2. Register Page***

1. **Home Page**

This page allows user to see all Movie list on the website. This page is accessible for **all users**. There are three sections in the homepage, such as **hero section**, **popular section** and **movie sections**. In the hero sections, there are **three movies generated randomly** with **carousel**. In **popular section**, the movie generates based on **watchlist count** (it will be sorted by counting how many the movie added to watchlist). In the movie sections, there are **search-bars, genres, sorted by** and the **movie itself.** In the **search bar**, the user can **search the movie they want**. Same with **genres, and sorted button**, when the **button is clicked**, then the movie will **be sorted by these categories**.

**1. Guest**

Graphical user interface, website

Description automatically generated­

***Figure 3. Home Page (for Guest)***

As a guest, we can only look at the movie list and look at the movie detail.

**2. User**

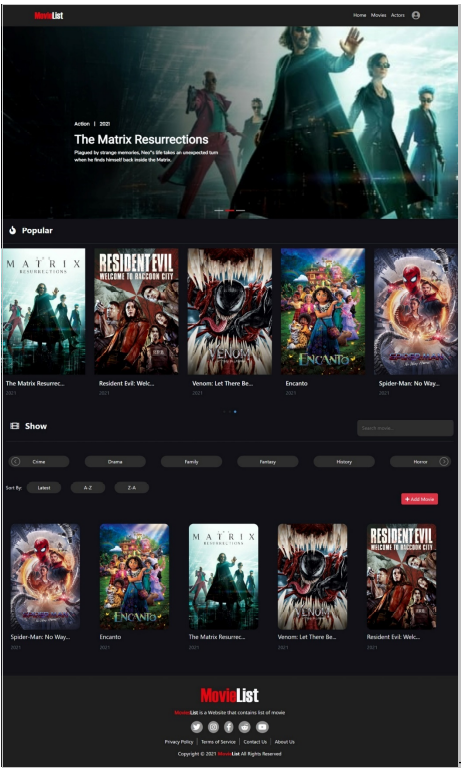
Graphical user interface, website

Description automatically generated

***Figure 4. Home Page (for User)***

As user, there are **add and remove to watchlist feature** that placed in the **heroes section** and **+ button** for every movie (when the movie is not added to watchlist), **✓ button** (when movie is already added to watchlist). When the button is clicked, then it will add the movie to the watchlist. There’s also watchlist in the navbar when logging as user.

**3. Admin**

**­**

***Figure 5. Home Page (for Admin)***

**As admin**, there are new features to **add movie**. If we **click** the **add Movie button**, it will redirect to **create movie page**. As an **admin**, there’s **no need to have a watchlist**, then the **watchlist navbar** is **removed**.

1. **Create Movie Page**

A screenshot of a computer

Description automatically generated with medium confidence

***Figure 6. Create Movie (for Admin)***

This page is only **accessible by admin. As admin**, we can **add movie** to the **database** by input all the fields in the page. There are **title, description, genre, actors, director, release date, image url for the image thumbnail and background image**. For the **image url** and **background image**, we can choose the files from our **storage**.

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Title** | Must be **filled** with **minimum 2 characters and maximum 50 characters** |
| **Description** | Must be **filled** with **minimum 8 characters** |
| **Genre** | Must be **filled** with **array** since we can **choose many genre** |
| **Actor** | Must be **filled** with **array** since we can **choose many actors** |
| **Character\_name** | Must be **filled** with **array** since we can **choose many character name** |
| **Director** | Must be **filled** with **minimum 3 characters** |
| **Release\_date** | Must be **filled** |
| **Image thumbnail** | Must be **filled** with **jpeg, jpg, png or gif** |
| **Background** | Must be **filled** with **jpeg, jpg, png or gif** |

1. **Edit Movie Page**

A screenshot of a computer

Description automatically generated with medium confidence

***Figure 7. Edit Movie (for Admin)***

This page is only **accessible by admin. As admin**, we can **edit movie** to the **database** by input all the fields in the page. There are **title, description, genre, actors, director, release date, image url for the image thumbnail and background image**. For the **image url** and **background image**, we can choose the files from our **storage**.

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Title** | Must be **filled** with **minimum 2 characters and maximum 50 characters** |
| **Description** | Must be **filled** with **minimum 8 characters** |
| **Genre** | Must be **filled** with **array** since we can **choose many genre** |
| **Actor** | Must be **filled** with **array** since we can **choose many actors** |
| **Character\_name** | Must be **filled** with **array** since we can **choose many character name** |
| **Director** | Must be **filled** with **minimum 3 characters** |
| **Release\_date** | Must be **filled** |
| **Image thumbnail** | Must be **filled** with **jpeg, jpg, png or gif** |
| **Background** | Must be **filled** with **jpeg, jpg, png or gif** |

1. **Movie Detail Page**

In this page**,** we can view the **movie detail** such as **production year, description, director and the genres** in the header section. In the cast section, it shows **all the cast** for the movie. In more sections, it shows **more movies**.

**1. Guest and User**

Graphical user interface, application, website

Description automatically generated

***Figure 8. Detail Page (for Guest and User)***

For **Guest,** we can **only view the movie detail**. However, for **User**, we can **add and remove** **the movie to the watchlist** by click **the + / ✓ button** in the movies section.

**2. Admin**

Graphical user interface, website

Description automatically generated

***Figure 9. Detail Page (for Admin)***

**For admin,** there are **two** new **features** for **update** and **remove movie.** When the user **click the update button**, it will **redirect** to **update movie page,** while when **clicking the remove button**, it will **remove the movie from the database**.

1. **Actor Page**

In this page, we can **view all the actors** that exists in the database. For every actor, it presented by **cards** that showed the **actor name** and the **movie they played**. There is also a **search-bar** that used to search actor. To make **the website better**, you could use **Lazy Loading** (when the user reaches the bottom part of the website, render more actor that haven’t shoved).

**1. Admin**

Graphical user interface, application, website

Description automatically generated

***Figure 10. Actor Page (for Admin)***

**For admin,** there are **one added feature** for **create actors.** When the user **clicks the add-actor button**, it will **redirect** to **create actor page.**

**2. Guest and Member**

Graphical user interface, application, website

Description automatically generated

***Figure 11. Actor Page (for Guest And User)***

For guest and user, we can **only** **view all the actors.**

1. **Actor Detail Page**

In this page, it will **show** the **actor information** such as **popularity, gender, birthday, place of birth, biography, and movie they played on.**

**1. User and Guest**

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***Figure 12. Actor Detail Page (for Guest And User)***

For User and guest, the user can **only** **view the actor personal detail.**

**2. Admin Page**

A screenshot of a person

Description automatically generated with medium confidence

***Figure 13. Actor Detail Page (for Admin)***

For admin, there are **two added features** to **edit** and **delete the actor personal detail.**

1. **Create Actor Page**

A screenshot of a computer

Description automatically generated with medium confidence

***Figure 14. Create Actor Page (for Admin)***

This page is only **accessible by the admin**. There are **some fields** that **needs to be filled** such as **name, gender, biography, date of birth, place of birth, image and popularity.**

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Name** | Must be **filled** with **minimum 3 characters** |
| **Gender** | Must be **filled** |
| **Biography** | Must be **filled** with **minimum 10 characters** |
| **Date of Birth** | Must be **filled** |
| **Place of Birth** | Must be **filled** |
| **Image Url** | Must be **filled** with **jpeg, jpg, png or gif** |
| **Popularity** | Must be **filled** with **numeric** |

1. **Edit Actor Page**

Graphical user interface, text

Description automatically generated

***Figure 15. Edit Actor Page (for Admin)***

This page is only **accessible by the admin**. There are **some fields** that **needs to be filled** such as **name, gender, biography, date of birth, place of birth, image and popularity.**

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Name** | Must be **filled** with **minimum 3 characters** |
| **Gender** | Must be **filled** |
| **Biography** | Must be **filled** with **minimum 10 characters** |
| **Date of Birth** | Must be **filled** |
| **Place of Birth** | Must be **filled** |
| **Image Url** | Must be **filled** with **jpeg, jpg, png or gif** |
| **Popularity** | Must be **filled** with **numeric** |

1. **Profile Page**

A screenshot of a video game

Description automatically generated

***Figure 16. Profile Page (for user)***

This page is **only accessible** by **user that already logged in**. There are some information that can be updated like **username, email, dob and phone.**

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Username** | Must be **filled** |
| **Email** | Must be **filled** with **email format** |
| **DOB** | Must be **filled** with **date format** |
| **Phone** | Must be **filled** with **minimum 5 characters** and **maximum 13 characters** |

When the user clicks the profile, there will be a modal that showed a form to update the image.

Graphical user interface, application, Teams

Description automatically generated

***Figure 16. Profile Page modal (for user)***

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Image URL** | Must be **filled** |

1. **Watchlist Page**

A screenshot of a computer

Description automatically generated with medium confidence

***Figure 17. Watchlist page (for user)***

In this page, it will **show** the **user watchlist.** This page is **only accessible** by **the user that already logged in**. There is a **search bar** that can **be used to search a certain watchlist (search by title).** For the status, when a **movie added to watchlist, the status** will **be planning.**  There is **also a pagination** in this page. For every watchlist, there will be **an action button** that placed in the **right side of the card**, when we **click the button**, it will **show a modal** that used to **update the watchlist status.**

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

***Figure 18. Watchlist modal (for user)***

In this modal, if we **can change** the status by **selecting** **planned, watching or finished**. However, If we **select remove** then it will **remove the watchlist.**

Graphical user interface, text, application, chat or text message

Description automatically generated

***Figure 19. Watchlist sorted (for user)***

In this page, we can **sort the movie** list by **all, planned, watching and finished**. If we **choose planned,** then it will show **all the movie which has status of planning.**

1. **Navbar Dropdown**

Graphical user interface, application

Description automatically generated

***Figure 20. Profile dropdown (for user)***

When **the user avatar clicked**, then it will **show the dropdown** with **profile** and **logout**. If **we click on the profile** then it will **redirect to profile page**, while if we **press the logout** then it will **logout from the account.**

**Reference:**

<https://www.imdb.com/>

Here are the **rules** that you must follow to **create your project**:

1. Use **appropriate software** for this subject based on **Sistem Praktikum** that can be downloaded from Binusmaya.
2. Use the **techniques taught during practicum**
3. Collect **appropriate files** for this subject based on **Sistem Praktikum** that can be downloaded from Binusmaya.
4. Include the **other files** that can support your project, such as:
   * All files in your project.
   * Other files (image, audio, video, etc.) used in your project.
   * .doc file (documentation of your project) that contains all pages in your project, reference links of additional files (image, audio, video, etc.) used in your project, the description about how to use your application, etc.
5. If there are some hidden creativities, please note them in the existing documentation because they can greatly affect your project score.

**If you do not understand, please ask your assistant! Do not make your own assumption!**