|  |  |
| --- | --- |
| **Project Case** | Diagram  Description automatically generated |
| COMP6681 | COMP6681001  Web Programming |
| **Computer Science** | **O232-COMP6681-LH03-00** |
| ***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:

* Use **MySQL** asdatabase and must using **Laravel Migration** features.
* **All file upload** feature such as image and document must be **stored to server storage**.
* Use PHP Framework **Laravel 8** to build the project.
* Use Laravel **MVC** concept (**Model, View, Controller**) to build the project.
* Use **Eloquent Query / Query Builder** to work with database.
* You are free to design your own database table **based on given requirements**.
* Print screen given below is only an example. You are free to create your own user interfaces.
* 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
* Only **validation** in the **backend** (using Laravel) will be graded.

## Soal

*Case*

**Barbatos Shop**

**Barbatos Shop** is a startup online shop in Japan made by a computer science student. For its business, **Barbatos Shop**‘s CEO wants to create a website for their shop. In that website, people can find information about the product that **Barbatos** sell right now and order it.

As a web developer, you are asked to create a website using **Laravel** **8** for this online shop. There are three types of user’s role in this website: **Admin**, **Customer**, and **Guest** (**non-logged-in user**).

The descriptions for each page are:

* + - 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** and **if user checks the “Remember Me**” checkbox, the website will save the **Username** and **Password** using cookies for **2 hours**.

Graphical user interface, application

Description automatically generated***Figure 1. Login Page***

1. **Register**

This page allows guests to **register** themselves as **Barbatos Shop** customer. Display an **error message** if user input incorrect personal data.

The following table shows existing fields in the page and the validation for each field:

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Name** | Must be **filled** with **minimum 5 characters** |
| **Email Address** | Must be **filled** with **email validation** and **unique** |
| **Password** | Must be **filled** with **alphanumeric** and **minimum 8 characters length** |
| **Confirm Password** | Must be **filled** and **same with password** |
| **Gender** | Must be **chosen** |
| **Date of Birth** | Must be **filled**, the date must before today, and after 01-01-1900 |
| **Country** | Must be **chosen** |

If **Guest** clicks register button, it will show a success message, but if there are errors, there will be an error message too. If its success, insert the data to database.

Graphical user interface, application, Teams

Description automatically generated

Figure . Register Page

1. **Home**

This page is accessible for **all users**. This page allows user to see all **Product** that **Barbatos Shop** sell currently. This page allows user to **go to Product Detail page if user click the product card**.

In this page, all users can also see **all product** based onthe **categories** from the **navbar (the categories listed is based on category that present in database)** or from **“View All”** near the title. All users also can **search** for product using **the search bar**.

In this page, Admin can also manage product from the **navbar**.

In this page, Guest can **Login** or **Register**.

Graphical user interface, application, website

Description automatically generated

Figure . Home Page

1. **View Product by Category**

This page is accessible for all users. This page shows all Product based on its Category. **Each product card can be clicked to redirect into “Product Detail Page”**. **Paginate** the Product by 10 for each page.

Graphical user interface, application, website

Description automatically generated

Figure . View Product by Category

1. **Product Detail**

This page is accessible for all users. This page shows all Product’s detail such as Product image, Product Name, Product Detail, and Product Price. If you already login using Customer Account a quantity field and a purchase button will appear.

In this page, Customer can also purchase the product.

Graphical user interface, application, Word

Description automatically generated

Figure . Product Detail Page (For Customer)

Graphical user interface, application, Word

Description automatically generated

Figure . Product Detail Page (For Guest and Admin)

1. **Search Product**

This page is accessible for all users. This page shows all Product based on user input. **Each product card can be clicked to redirect into “Product Detail Page”**.There is also a “**Search bar**” where you can filter the result based on product name inputted by user.

Graphical user interface, application, Word

Description automatically generated

Figure . Search Product

1. **Manage Product**

This page is accessible for Admin only. This page allows Admin to manage all product at Barbatos Shop. Paginate 10 items for each page. There is also a “**Search bar**” where you can filter the result based on product name inputted by user. The product that will displayed is all product that contained the user inputted word. In this page Admin can create a **new product**, **update product**, and **delete product**. This page also included with **Add Product** button, **Edit Product** button and **Delete Product** button. If the **Delete Product** button pressed, it will delete the Product.

Graphical user interface, application, website

Description automatically generated

Figure . Manage Product

1. **Add Product**

This page is accessible for Admin only. This page allows Admin to add new Product. This page can be access when **Admin** choose “Add Product” Button. This page also contains back button so the Admin can return to previous page.

The following table shows existing fields in the page and the validation for each field:

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Name** | Must be **filled** |
| **Category** | Must be **selected** |
| **Detail** | Must be **filled** |
| **Price** | Must be **filled** with **integer** **format** |
| **Photo** | Must be f**illed** with file extension is ‘jpeg’, ‘jpg’, or ‘png’. |

If **Admin** click add Product button, it will show a success message, but if there are errors, there will be an error message too. If its success, insert the data to database.

Graphical user interface, application

Description automatically generated

Figure . Add Product Page

1. **Update Product**

This page is accessible for Admin only. This page allows Admin to add new Product. This page can be access when **Admin** choose “Update Product” Button. This page also contains back button so the Admin can return to previous page. Each field will be fill with old Product data.

The following table shows existing fields in the page and the validation for each field:

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Name** | Must be **filled** |
| **Genre** | Must be **selected** |
| **Description** | Must be **filled** |
| **Price** | Must be **filled** with **integer** **format** |
| **Photo** | Must be f**illed** with file extension is ‘jpeg’, ‘jpg’, or ‘png’. |

If **Admin** click update Product button, it will show a success message, but if there are errors, there will be an error message too. If its success, update the data at the database.

Graphical user interface, text, application, email

Description automatically generated

Figure . Update Product Page

1. **Profile**

This page is accessible for **Customer** or **Admin** only. This page allows Customer to view his or her profile. This page can be access when **Customer** or **Admin** choose “Profile” menu from navbar.

Graphical user interface, application

Description automatically generated

Figure . Profile Page

1. **Cart Page**

This page is accessible for Customer only. This page allows Customer to purchase the Product from the cart. This page can be access when **Customer** choose “Cart” menu from navbar. This page also displays some information about the Product, the quantity of product on the cart, total price for each Product and total price for all item in the cart.

If **Customer** click **Purchase** button, it will show a success message and insert all item in the cart into database as a new transaction.

Graphical user interface, application, chat or text message

Description automatically generated

Figure . Cart Page

1. **History Page**

This page is accessible for Customer only. This page allows Customer to view all of his or her transaction order by its date. This page can be access when **Customer** choose “History” menu from navbar. This page also displays some information about the transaction date, Product, the quantity of product, total price for each Product and total price for all item in the transaction.

Graphical user interface, application

Description automatically generated

Figure . History Page

**References Link:**

<https://www.tokopedia.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. Collect appropriate files for this subject based on **Sistem Praktikum** that can be downloaded from Binusmaya.
3. 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
4. If there are some hidden creativities, please note them in the existing documentation because they can greatly affect your project score