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.
* **Regular** **Expression** (**ReGex**) **validation** will **not be scored**.

## Soal

*Case*

**MbWekCenter**

**MbWekCenter** is a huge farm shop in Indonesia made by MW. To expand its business, **MbWekCenter** wants to create a website for their shop. In that website, people can find information about the **MbWekCenter** products and order it. This website enables the customers to know what is inside **MbWekCenter**.

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**).

Each page shows **greeting to user**. The descriptions for each page are:

* + - 1. **Login Page**

This page allows **guest** 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 **Email** and **Password**, the page will be redirected to the **Home Page** and if user checks **the Remember Me** checkbox, the website will save the **Email** and **Password** using cookies for **2 hours**.

Graphical user interface

Description automatically generated

**Figure 1. Login Page**

1. **Register Page**

This page allows **guest** to **register** themselves as **MbWekCenter** customer. 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** |
| **Name** | Must be **filled** with **maximum 30 characters** |
| **Email Address** | Must be **filled** with **email validation** and **unique** |
| **Password** | Must be **filled** and **minimum 8 characters** |
| **Confirm Password** | Must be **filled** and **same with password** |
| **Gender** | Must be **selected** |

Graphical user interface

Description automatically generated

**Figure 2. Register Page**

1. **Home Page**

This page is accessible for **all users**. This page allows user to see all **MwBekCenter** products. There are 2 buttons for each product, **Update Product** and **Product Detail** button. If user clicksthe **Product Detail** button, it will redirect to **Product Detail Page**. **If admin** clicksthe **Update Product** button**,** then **redirect admin to Update Product Page**. Validate the **Update Product** button to only appear if the user login as **admin.** User can go back to **Home Page** by **clicking Home menu** in navbar. User can also **search products** by **clicking Search Product menu** innavbar.

For **customer**, there is an **Update Profile, Transaction, Cart**, and **Logout** button **in the username’s dropdown menu**. For **admin**, there is an **Insert Product, Manage User**, and **Logout** button **in the username’s dropdown menu.** While for **guest**, there is a **Login** and **Register** button.

Graphical user interface, application, website

Description automatically generated

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

Graphical user interface, application

Description automatically generated

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

Graphical user interface, application

Description automatically generated

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

1. **Product Detail Page**

This page is accessible for **all users**. This page shows all **MbWekCenter’s** product information, such as **product’s** **image, name, description, stock,** and **price**. There is also an **Add to Cart** button. Validate the button to only appear if the user login as **customer.** In this page, there will be a **text field for inputting quantity of the product** you want to purchase. There will be an **error message** if user input a quantity **below 1 or more than stock**.

Graphical user interface, website

Description automatically generated

**Figure 6. Product Detail Page (for Admin and Guest)**

Graphical user interface, text, application, website

Description automatically generated

**Figure 7. Product Detail Page (for Customer)**

1. **Cart Page**

This page is only accessible for **customer** to show all the productsthat added to the cart by customer itself. There will be 2 buttons, **Delete** and **Checkout** button. When user clicks the **Delete** button, it **will delete the selected items from cart**, and if the **Checkout** button get clicked, it will **delete all items in cart** and **inserted to a new transaction.** The information of **each** **product** that must be shown are **name, price, quantity, subtotal (price x quantity), and grand total.**

Graphical user interface

Description automatically generated

**Figure 8. Cart Page**

1. **Transaction Page**

This page is accessible for **customer** to show **transaction history**. The information of transaction that must be shown are **transaction Date** and **Check Detail** button **that redirect to Transaction Detail Page.**

Graphical user interface, text

Description automatically generated

**Figure 9. Transaction Page**

1. **Detail Transaction Page**

This page is accessible for **customer** to show **the detail of selected transaction**. The information of transaction that must be shown are **product’s name, detail (description), price, quantity, subtotal (price x quantity),** and **grand total.**

Text

Description automatically generated

**Figure 10. Transaction Detail Page**

1. **Search Page**

This page is accessible for **all users**. This page shows all **MbWekCenter** products. This page is also **included with a search field**, so you can search **MbWekCenter** products by its **category** and **name**. Ifthere are **more than 6 products found**, then create a **pagination**.

Graphical user interface, application, PowerPoint

Description automatically generated**Figure 11. Search Page**

Graphical user interface, application, website, PowerPoint

Description automatically generated**Figure 12. Search Page (pagination)**

1. **Update Profile Page**

This page is accessible only for **customer**. This page show user’s data in each text field. Display **error message** if **customer** input incorrect data. The following table shows existing fields in the page and the validation for each field:

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Username** | **Must be filled** with **maximum 30 characters** |
| **Password** | **Must be filled** and **minimum 8 characters** |
| **Confirm Password** | **Must be filled** and **same with password** |
| **Gender** | **Must be selected** |

Graphical user interface

Description automatically generated

**Figure 13. Update Profile Page**

1. **Update Product Page**

This page is accessible only for **admin**. This page show product’s data in each text field. Display **an** **error message** if **admin** input incorrect data. The following table shows existing fields in the page and the validation for each field:

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Category** | **Must be selected** |
| **Title** | **Must be filled** with **minimum 5 characters** and **maximum 25 characters** |
| **Description** | **Must be filled** with **minimum 10 characters** and **maximum 100 characters** |
| **Price** | **Must be filled** and **between 1.000 and 10.000.000** |
| **Stock** | **Must be filled** with **minimal 1** |
| **Image** | **Can be empty (if empty then do not update the product image**) |

Graphical user interface

Description automatically generated

**Figure 14. Update Product Page**

1. **Insert Product Page**

This page is accessible only for **admin**. This page will allow **admin** to add new product. Display **an** **error message** if **admin** input incorrect data. The following table shows existing fields in the page and the validation for each field:

|  |  |
| --- | --- |
| **Field** | **Information** |
| **Category** | **Must be selected** |
| **Title** | **Must be filled** with **minimum 5 characters** and **maximum 25 characters** |
| **Description** | **Must be filled** with **minimum 10 characters** and **maximum 100 characters** |
| **Price** | **Must be filled** and **between 1.000 and 10.000.000** |
| **Stock** | **Must be filled** with **minimal 1** |
| **Image** | **Must be filled** |

Graphical user interface, application

Description automatically generated

**Figure 15. Insert Product Page**

1. **Manage User Page**

This page is accessible only for **admin**. This page will show all **customer accounts.** If **admin** clicks the **Delete** button, then **remove the** **selected account**.

Graphical user interface, text, application, email

Description automatically generated

**Figure 16. Manage User Page**