



KOLEJ PROFESIONAL MARA BERANANG

PROJECT PROTOTYPE: GARDENING WEBSITE

SESSION 2 2022/2023

PREPARED FOR:

PUAN NURHANNANIE BINTI BUJANG

PREPARED BY:

AISYAH AINA SUFIA BINTI HILMAN

MENTOR'S NAME:

PUAN NOOR FAZLIANI BINTI SHAMSHUDIN

Scenario

to propose a dynamic website system for those nightmarket seller who has a problem to run their business physically effect from pandemic COVID 19. The system must have a fetures that can manage their product and receive the order from the customer You can choose one of category of items given below to develop your prototype.

	Area	Types
1	Beverages	<input type="checkbox"/> Juice <input type="checkbox"/> Smoothies/boba/coffee
2	Foods	<input type="checkbox"/> Soup/tomyum <input type="checkbox"/> Burgers/wrap/sandwiches
3	Fresh Product	<input type="checkbox"/> Vegetables <input type="checkbox"/> Fruits
4	Home and gardening	<input checked="" type="checkbox"/> Gardening <input type="checkbox"/> Kitchen and tableware
5	Snacks	<input type="checkbox"/> chips <input type="checkbox"/> biscuits
6	Frozen Food	<input type="checkbox"/> seafood <input type="checkbox"/> dessert
7	Bakery	<input type="checkbox"/> cake <input type="checkbox"/> bread
8	Poultry	<input type="checkbox"/> chicken <input type="checkbox"/> quail
9	Dry produce	<input type="checkbox"/> Processes food <input type="checkbox"/> groceries
10	Meat	<input type="checkbox"/> beef <input type="checkbox"/> mutton

In order to gain an ideas and get a clear understanding of a dynamic website dan propose the website, you need to do the following

1.0) Investigate one website by evaluating the dynamic features of the website.

Answer:

Shopee Malaysia's website is one of the websites with dynamic features. These is because it has :

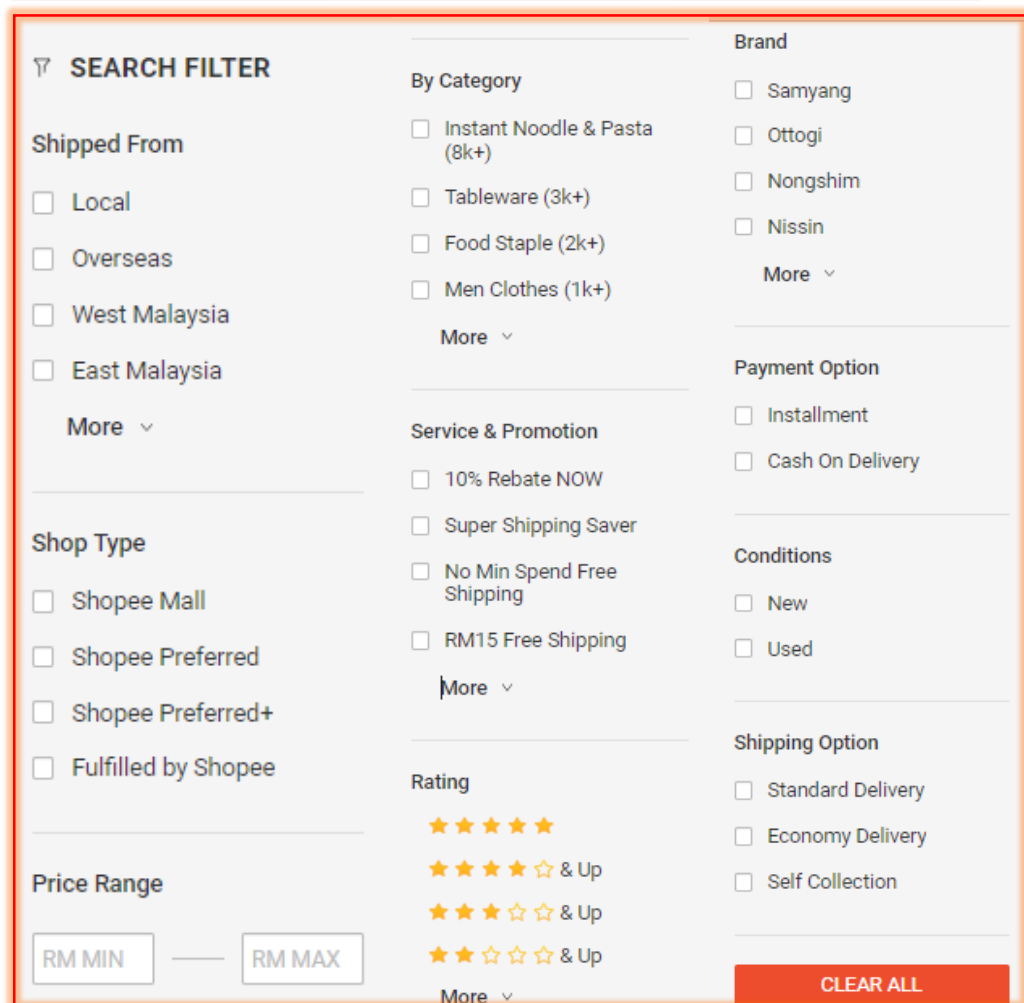
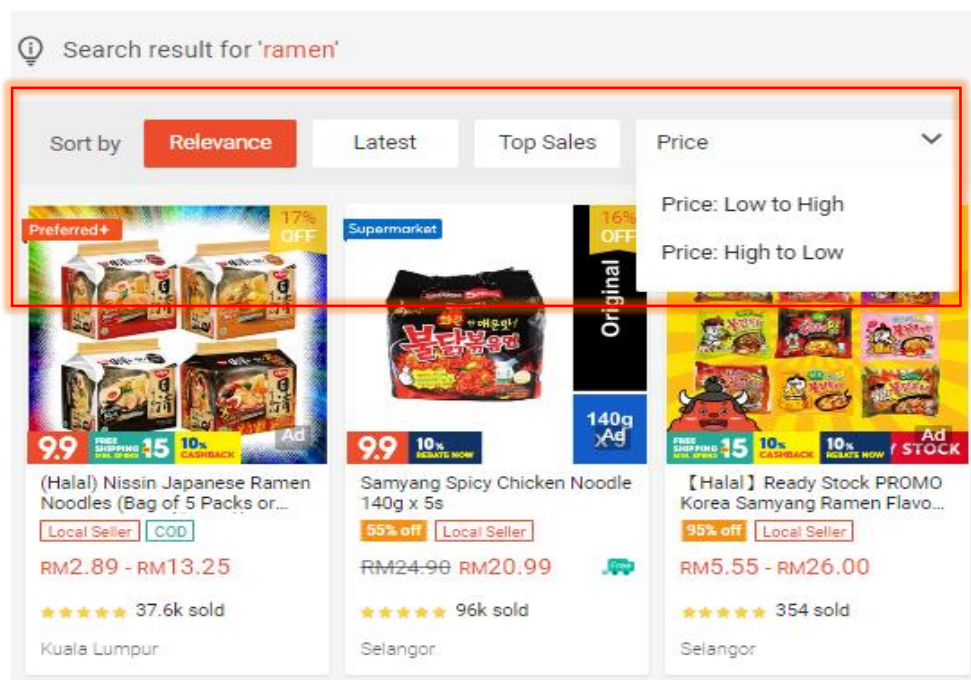
I. Multi-Language Website Accessibility



Every retailers want their software to be used by millions of user . Achieving this goal becomes easier if users from all over the world can use the application. Since not all users are fluent or know in English or the target language, the developer must create a multilingual programme.

These multi-language feature can store multilingual data. In other words, the backend should be able to provide data in multiple languages. To do this, the backend should connect and retrieve this data from a multi-language database.

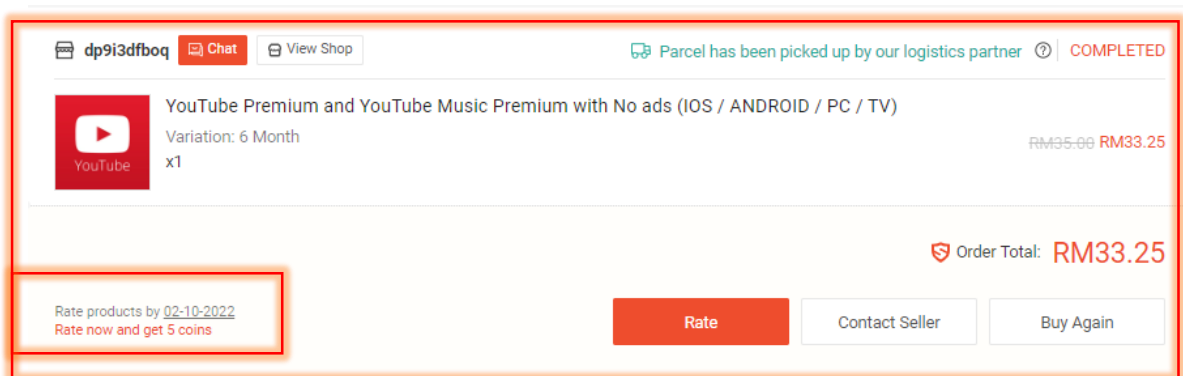
II. Sorting and Filtering Options



When a dataset connector is connected to database, it has access to all of that collection's fields and items. If user want to determine which items appear on the page and in what order, user need to control this from the connector on the current page. These were what it called as 'sort' and 'filter' options.

Sorting and filtering are tools that let user organize their data. When users sort data, user are putting it in order. Filtering data lets user hide unimportant data and focus only on the data that user interested in. For users that are browsing in order to find a product, filtering within a category is crucial to enhance product 'findability'. This is often more useful for users who have a certain level of knowledge about the products they require.

III. Purchased History Information



Purchased history information is a list of all the data of purchases user have made with or from other businesses in the past. It covers the specific products they bought and how much does each product cost, along with data about the customer and when they bought the products. These data will stored in customer purchased history database which sellers may access at any time.

Using purchase history data, retailers can see who buys what and when. this gives retailers a clear sense of where users are most likely to shop and when, what types of marketing content they might be interested in, whether they're likely to be repeat user, and so on.

IV. Product's Detail Update

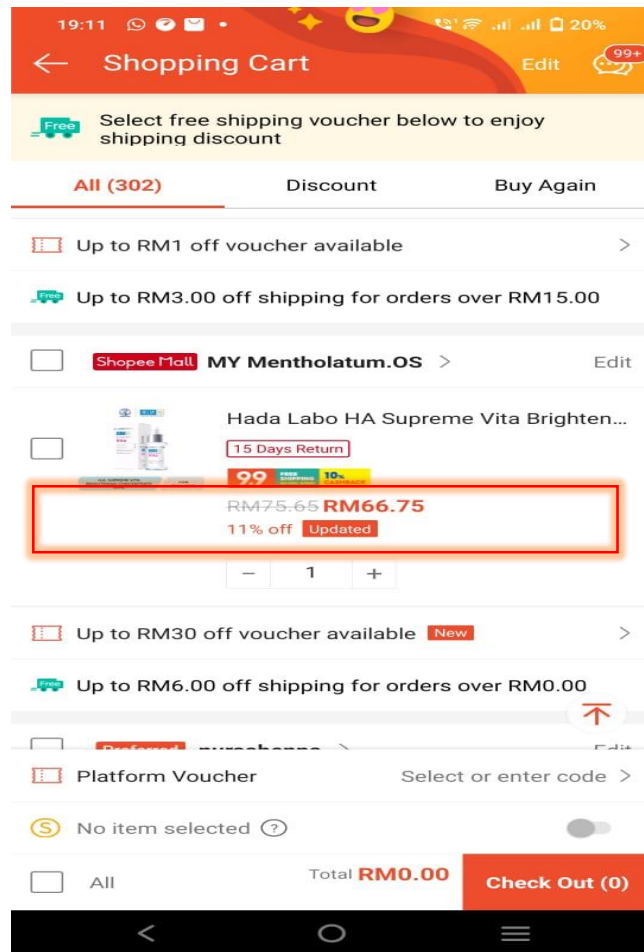
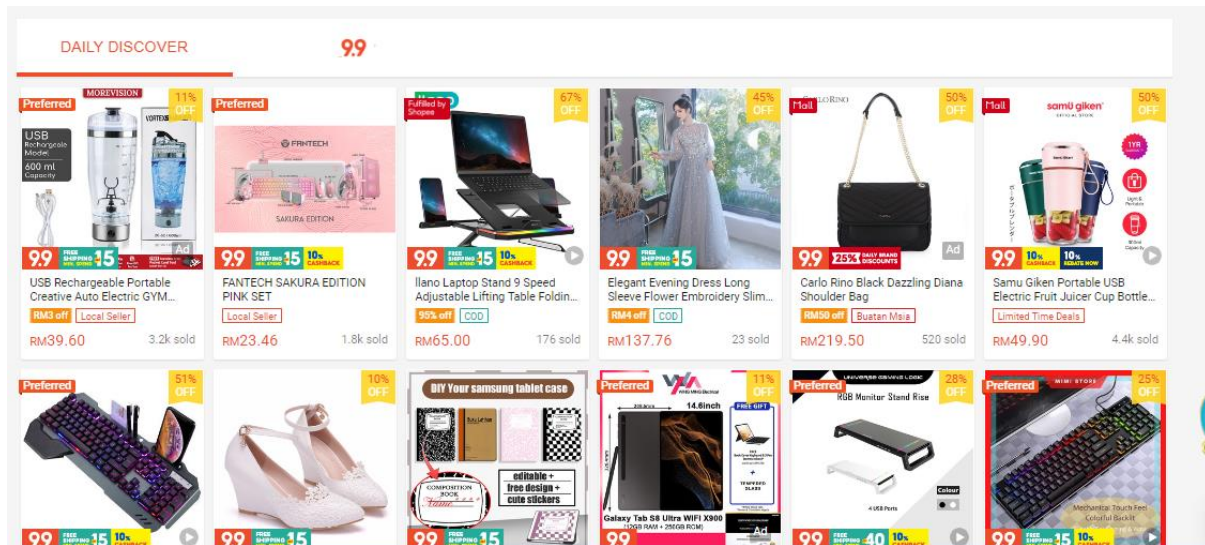


Figure 1: Product's price update

When working with e-commerce programs like Shoppe, there are times when it may want, need to increase the prices or decrease by updated the price to seasonal discount price such as during Hari raya Aildilfitri , independence Day and Christmas Day . But this is fine if It working with a limited number of data products. But since Shoppe is widely used by south east asian people, the platform have thousands of products and this can be very time consuming and tedious.

To come out with solution, Shoppe used e-business database to hold and update information on seller products, including detailed product descriptions and specifications, product reference numbers, prices, promotional offers and availability. Seller also can include details of the supplier for each product that It stock. By updating the information in the database, rather than changing and publishing individual website pages, this can save time and ensure the website always shows visitors the latest information.

V. Magic Recommendation System



Ecommerce online platform such as Shopee recommendations are exactly sound like: products that are recommended to a brand's customers based on what the brand thinks they may like and want to purchase. In a physical store, recommendations generally come courtesy of knowledgeable shopping assistants.

Recommendation Systems are considered as software tools and techniques to suggest products for customers via taking into account their favorites in an automated way and using effective paradigm in retail business. The provided suggestions aimed to provide customers in numerous decision-making ability by what user always searched for, what kind of products that user keep looking at and the most influenced factor is by user data's purchased history that retrieve from databased in order to make recommendation.

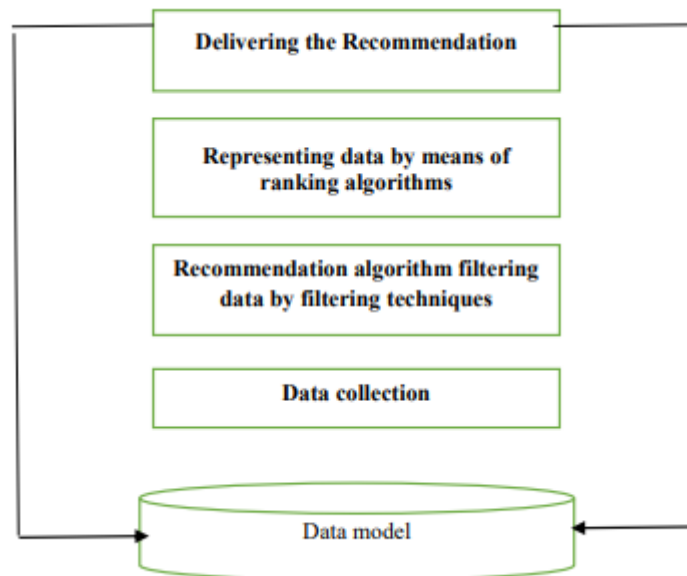


Figure 2: Flow of Recommendation system in e-commerce such as Shoppe platform, by using the customer's data

0.0) Propose an appropriate website for the nightmarket seller and briefly describe about the website. Find out and explains about data input and output that required in the website.

I. **Name Of The Propose Website :** Baba Gardening Website

II. **Objectives of Propose Website :**

- Assists individuals in reducing their stress and loneliness during the COVID-19 pandemic.
- To get exposure to customer about the importance of gardening
- Secured payment and not easily get scammed since the customer must first transfer the money.
- Saves time, efforts and cost for both seller and customer as seller no need to sell it pyhsically at their store and the customer can buy items at reasonable price will be delivered right at their doorstep.
- To get more fame and reach maximum customers at the right time to increase sales and profitability of the business

- Identify the right target audience by learn different parameters like age, gender, state, and more by analyzing the customers.
- Easier for customer to navigate and used.

III. Overview Of The Propose Website:

For those nightmarket sellers who are experiencing difficulties managing their businesses due to COVID 19, a dynamic website is the solution which the system has to have features that allow it to handle its goods and take orders from customers that help the nightmarket seller to continue sells their product everytime and everywhere all around the states in Malaysia.

Customer must create an account by register first in order to buy or view the products . After the registration, customer must do login in order to go to homepage or any other pages related to the website.

At homepage or it called home, this is where all about the information of the business is located, such as about us , top popular products , customer review , advertisement of promotion, search engine to search products and many more . Homepage is the main page or engine to connect to other pages . There is also a fixed navigation bar where user can easily access to it without scrolling up again to find it. The navigation bar consisted of home , plant catalogue , gardening essentials , parcel tracking , my cart and contact us . Which is all of these important elements will be put at the navigation bar.

At the navigation bar, It has plant catalogue . The plant catalogue has a dropdown menu for user to choose their selected alive plant . These plant catalogue consisted of many types of plants such as air plants , cactus , flowering plant, herbs, succulent and many more .These plant categories have more specific types species in the products .For example, flowering plant such as rose flower page will have more various types of rose flower such as Damask Rose, Beach Rose, China Rose and many more . The accessibility of variety products of plants makes customer intrigued to buy more and more since not all shops have it. Same goes to gardening essentials and there is also top selected picks plant at the flowering plant category only.

At my cart button at navigation bar, this is where all customer's interested product located at . When customer click ' Add to cart ' button , it will be directly go to shopping cart . The shopping cart will calculated all the total prices including subtotal , taxes(5%) and shipping fees. This will help customer for decision making to buy within their budget and easily got the overview of all of the purchase product first to rethink again .

After customer satisfied with summarized overall of the products totals and so on, customer can proceed the payment through click the checkout button which lead to the next page of customer's delivery and payment form . These is where customer must key in their address information and upload the payment receipt by using bank transfer only . After click the button 'Confirm Checkout' , customer will received notification box to sign that successfully paid and the tracking order id will be sent via an e-mail .

Customer may contact the Baba's team for futher FAQ questions regarding to their Baba's business , problems face during the usage of the website , or ideas to improve the products and many more at "contact us" button through navigation bar.

IV. Input Data :

From Admin View :

- Form of customer's registration data.
- Form of customer's login data.
- The customer delivery form details.
- Upload the customer's payment receipt .

V. Output Data :

From User View :

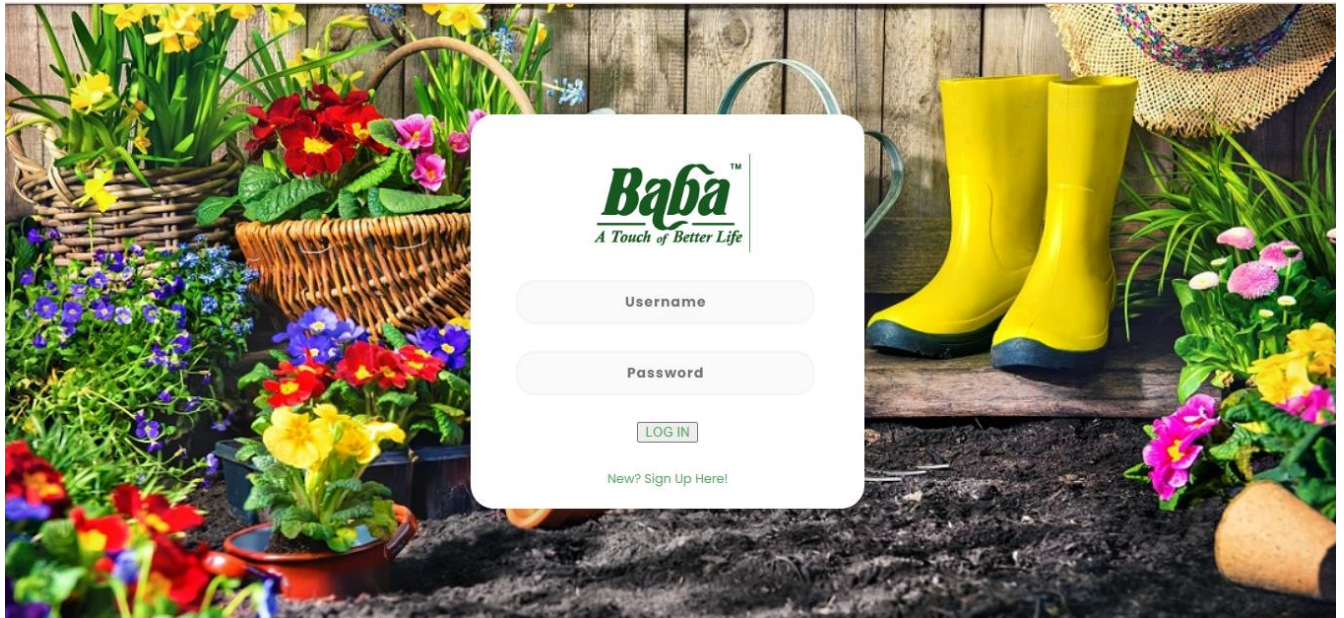
- Multi-language accessibility.
- Total price of items in shopping cart.
- Top popular products for category plant catalogue and gardening essential.

2.0) Built a prototype of the proposed website.


I. Prototype of The Propose Websites

(The total is 6 pages)

➤ Log In Page



➤ Customer Registration Form




CUSTOMER REGISTRATION FORM

Firstname :
 Lastname :
 Gender: ☐ Male ☐ Female
 Address:
 City :
 Postcode:
 State:
 Mobile No:
 Email:
 Password:
 Confirm Password:

[Submit](#) [Reset](#)
[Return Back to Login Page](#)

➤ Homepage




[Home](#) [Plant Catalogue](#) [Gardening Essentials](#) [Parcel Tracking](#) [My Cart](#) [Contact Us](#)

[Select Language](#)
 Powered by [Google Translate](#)


[Return to Shop](#)

50% DISCOUNT FOR 1ST PURCHASED!
#Your Happiness Starts Here

[Search](#)



3/3



[Home](#)
[Plant Catalogue](#)
[Gardening Essentials](#)
[Parcel Tracking](#)
[My Cart](#)
[Contact Us](#)

Peat Moss

The organic soil helps to regulate the drainage and retention of water content in the soil. In most cases, organic soil helps to retain water better than normal synthetic soil.

RM7.00

3 For RM 19

Caption Two

“ Your Go-To Place for Garden Supplies in Malaysia ”

Baba is a garden supplier that you can trust to get plants and garden supplies as well as meet all of your gardening needs! Check out our wide variety of natural and organic gardening supplies from one of the biggest garden products suppliers online in Malaysia.

“ ABOUT US ”

[Home](#)
[Plant Catalogue](#)
[Gardening Essentials](#)
[Parcel Tracking](#)
[My Cart](#)
[Contact Us](#)

“ ABOUT US ”

As a gardening company, Baba aims to be the go-to garden supplies company for all gardeners alike. Baba is a garden distributor & manufacturer for gardening supplies that you can enquire and purchase through our organic gardening website. Browse through a wide range of gardening products from biodegradable flower pots, organic soil & pesticides, gardening tools, non-GMO plant seeds, and more! Enquire from us today and watch your gardens come to life!

[Rectra](#)




WHY CHOOSE US ?

The Industry Leader


Highly-Effective Organic Fertilizer

100% Biodegradable


WHY CHOOSE US ?




The Industry Leader




Highly-Effective Organic Fertilizer




100% Biodegradable



We Make Gardening Work Easier




Our Corporate Social Responsibility




Help Malaysia Organic Grow

All Popular Plant Catalogue


All




Basil Herbs
★★★★★ (1K+)
RM3.00
[Add Cart](#)




String of Nickles Hanging Plant
★★★★★ (990)
RM12.00
[Add Cart](#)




Damask Rose
★★★★★ (889)
RM9.00
[Add Cart](#)




Caladiums Leafy Plants
★★★★★ (770)
RM14.20




Haworthia Cooperi Succulent
★★★★★ (661)
RM6.50




Bird's-Nest Fern
★★★★★ (554)
RM19.90



[Home](#)
[Plant Catalogue](#)
[Gardening Essentials](#)
[Parcel Tracking](#)
[My Cart](#)
[Contact Us](#)

All Popular Gardening Essentials





Nitrogen fertilizer
★★★★★ (2k++)
RM75.00

 Add Cart





Clay Pot
★★★★★ (1k++)
RM15.00

 Add Cart





Sunflower Seeds
★★★★★ (998)
RM4.50

 Add Cart





Baba Pesticides
★★★★★ (887)
RM9.00

 Add Cart





Phosphorus Fertilizer
★★★★★ (770)
RM55.10

 Add Cart



Set Mini Hand Trowel
★★★★★ (401)
RM18.00

 Add Cart


[Home](#)
[Plant Catalogue](#)
[Gardening Essentials](#)
[Parcel Tracking](#)
[My Cart](#)
[Contact Us](#)


Rectangular Snip

WHAT OUR CLIENT'S SAY?

 **Mira Filzah**
CEO


★★★★★

I've never meet the best experience for delivery service so far . But this one is legit! I made an order and they delivered right away. The quality of ingredients selected is on top-notch. They know what exact time tu delivered the items in order to keep the item fresh. The best shop and delivery service

 **Dato Siti Nurhaliza**
Singer

★★★★★

For the first time I used it, I'm already fell in love. It's so smooth and easy to use! Even my grandmother loves to use it because its clean, neat, direct and easier interface. The delivery service price is very affordable and they so are on time when delivering the grocery item too. The best delivery service in Malaysia!

 **Dr. Sheikh Muzaphar**
Malaysian Astronaut

★★★★★

I can see the big pontential market for this grocery and the delivery service too. I was super busy and sometimes make decision for last minute . They never cancel my order last minute and the next day , they already delivered the groceries item. The price is super affordable too and very highly recommended with their professional service!

Our Trusted Partner



Ficus Lyrata

Category


Indoor

Type

Small

Plants

Ficus



Ficus Lyrata is a species of flowering plant in the mulberry and fig family Moraceae.

73% Sun

96% Health

Download Our App Now!

Download our app now to get RM150 worth vouchers along with free delivery service for the new customer user. Share with your friends and family to get coins and redeem the mystery prizes is waiting for you!

Download on the App Store

GET IT ON Google play


[Home](#)
[Plant Catalogue](#)
[Gardening Essentials](#)
[Parcel Tracking](#)
[My Cart](#)
[Contact Us](#)

[Flowering](#)

Category

Indoor

Type

Small

Plants

Ficus



Ficus Lyrata is a species of flowering plant in the mulberry and fig family Moraceae.

73% Sun

96% Health

52% Water

21°C Temperature

Add to cart

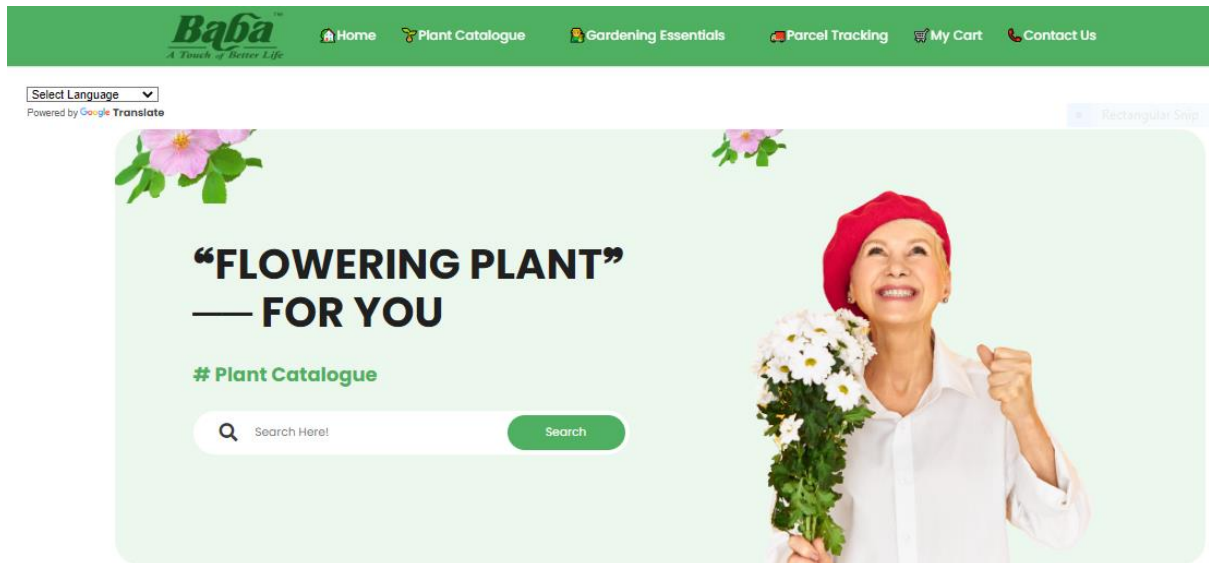
Download Our App Now!

Download our app now to get RM150 worth vouchers along with free delivery service for the new customer user. Share with your friends and family to get coins and redeem the mystery prizes is waiting for you!

Download on the App Store

GET IT ON Google play

➤ Products of Plant catalogue : Flower Plants Section



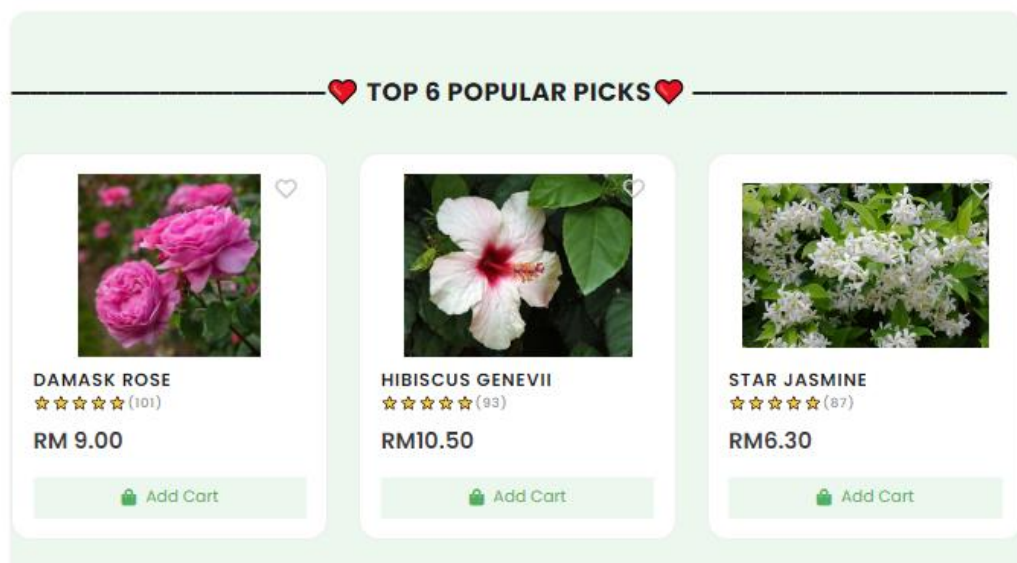
CATEGORY

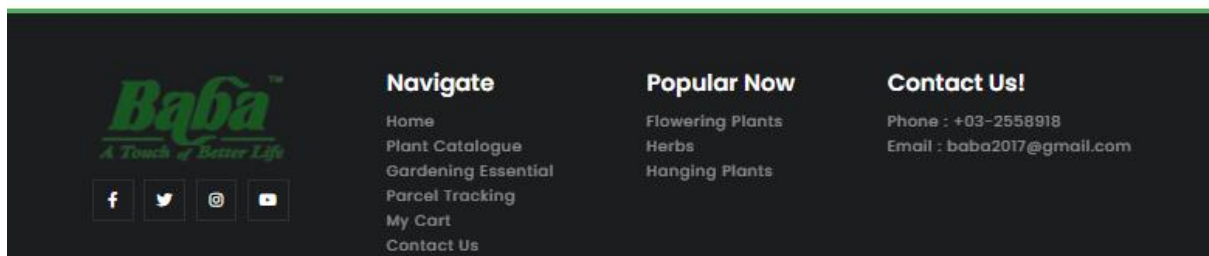
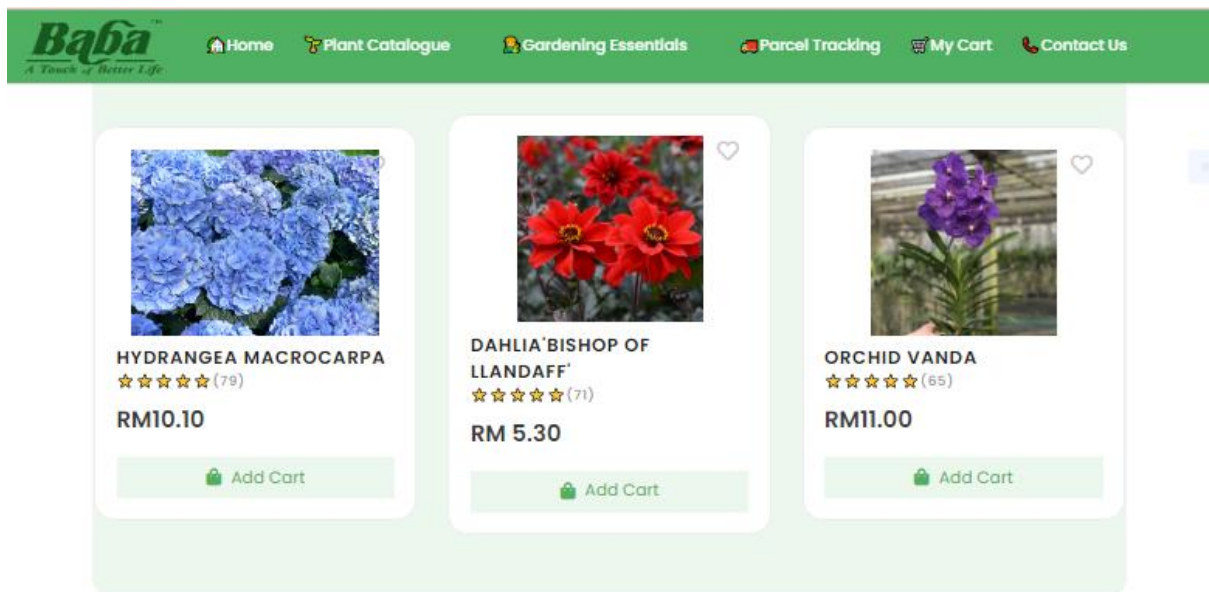
All



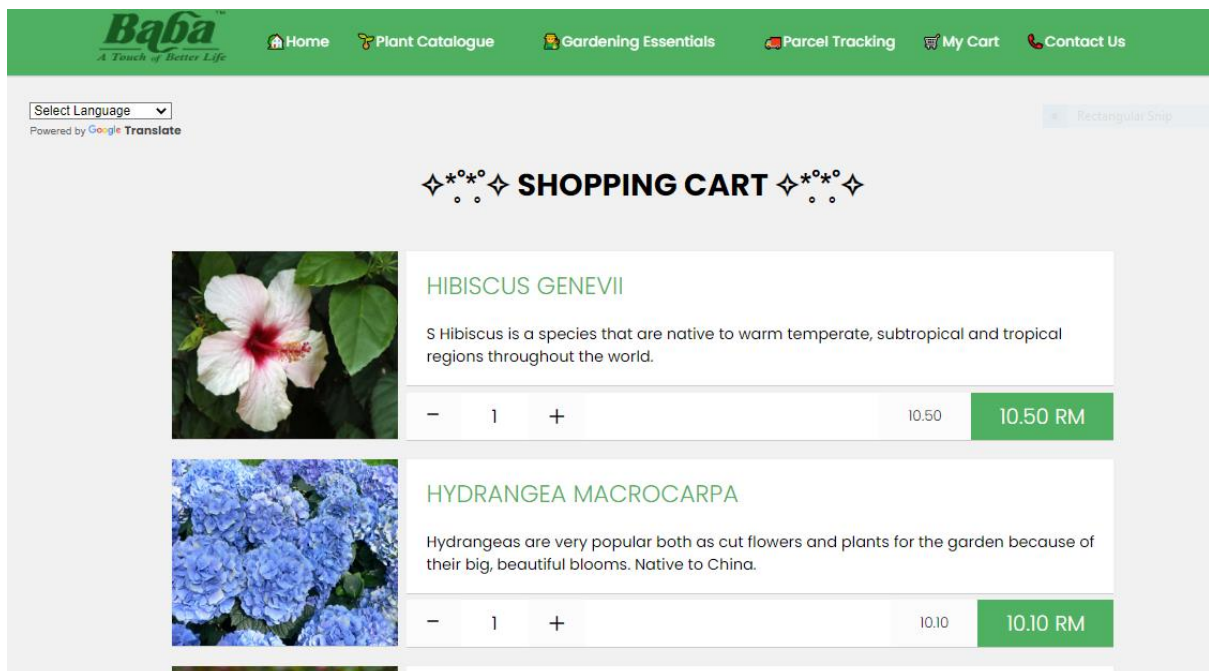
CATEGORY


All






➤ Shopping Cart Section




[Home](#)
[Plant Catalogue](#)
[Gardening Essentials](#)
[Parcel Tracking](#)
[My Cart](#)
[Contact Us](#)




-

1

+

10.10

10.10 RM



DAMASK ROSE

Damask rose has symbolized beauty and love. The fragrance of the rose has been captured and preserved

-

1

+

9.00

9.00 RM

Subtotal:RM 29.60


Taxes (5%): RM1.48

Shipping: RM 5.00

Total:RM36.08

CHECKOUT

➤ Checkout Delivery & Payment Form


[Home](#)
[Plant Catalogue](#)
[Gardening Essentials](#)
[Parcel Tracking](#)
[My Cart](#)
[Contact Us](#)

Select Language

Powered by Google Translate

Rectangular Snip

CUSTOMER'S DELIVERY & PAYMENT FORM

Now You Are At Secured Page

Delivery Address

Full Name

John M. Doe

Email

john@example.com


Address

542 W. 15th Street

City

Payment :

Bank Transfer Method Only

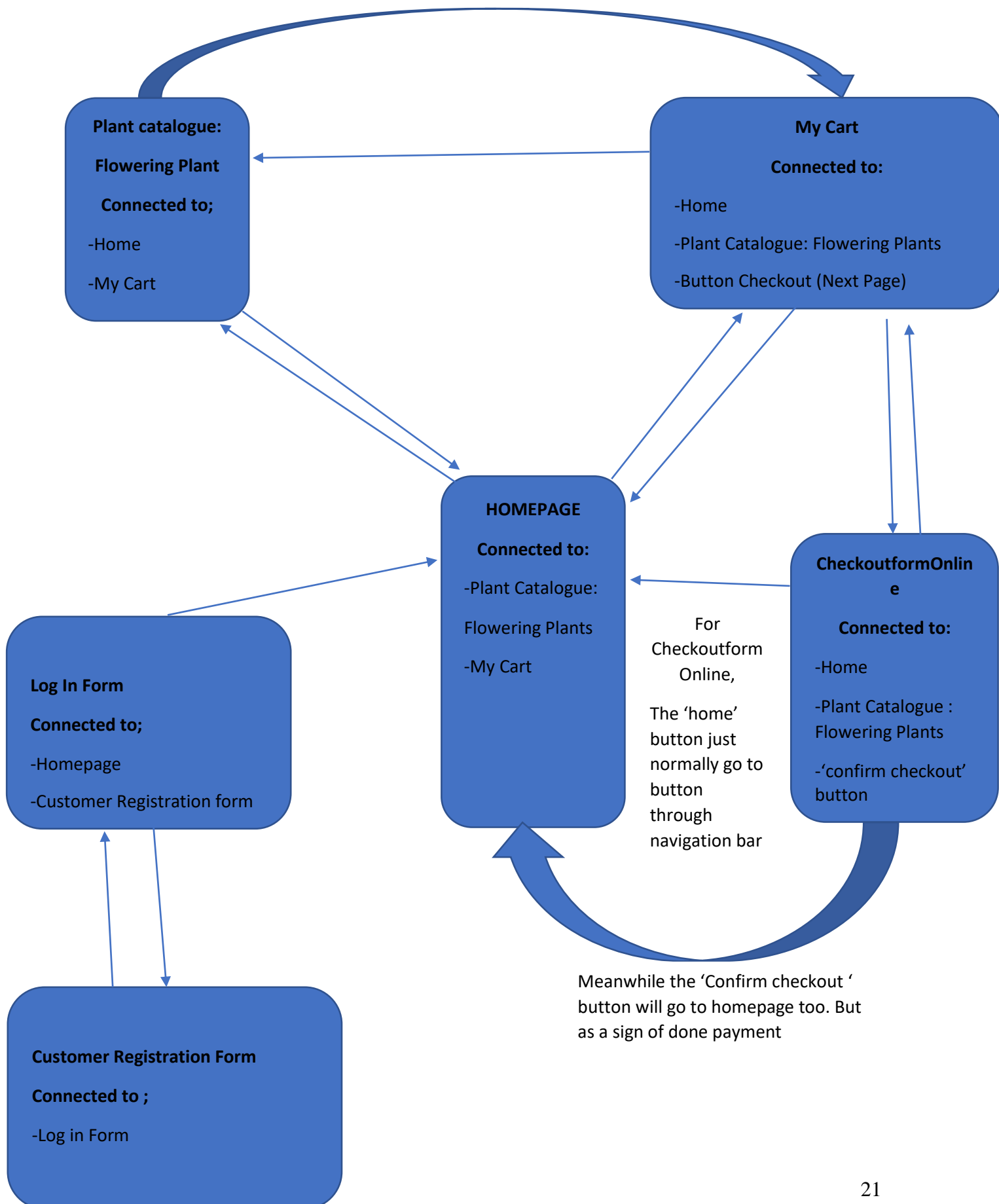


Choose File

No file chosen

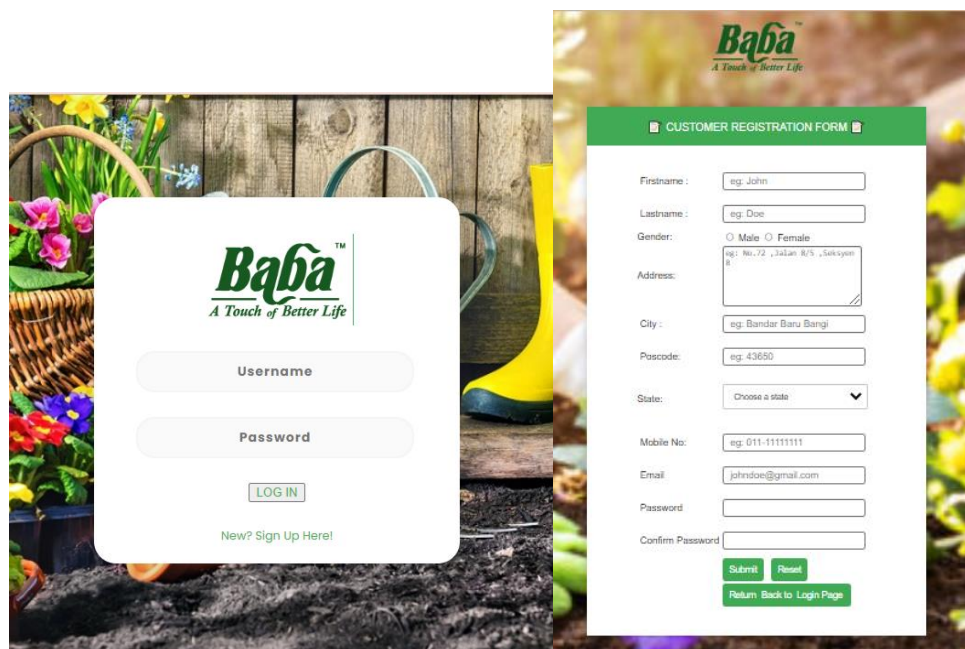
II. Illustration of The Links Between All of The Pages And Their Destination.

(Based on existed pages that already created, not counted the not existed pages)



III. Five Dynamic Features of Proposed Website

➤ Customer Log In and Registration Form



The image displays two screenshots of the Baba website's user interface. The left screenshot shows the login form, which includes the Baba logo, a 'Username' input field, a 'Password' input field, a 'LOG IN' button, and a link for 'New? Sign Up Here!'. The right screenshot shows the 'CUSTOMER REGISTRATION FORM', which includes fields for Firstname, Lastname, Gender (Male/Female), Address, City, Postcode, State (dropdown), Mobile No., Email, Password, and Confirm Password. It also features 'Submit', 'Reset', and 'Return Back to Login Page' buttons.

First and foremost , user must sign in or register to open their profile account first . By sign in the customer's account , the information about the customer with more details data will be stored in the customer's database for future used

Now user need to put the input their credentials on the website's login form. That information is then sent to the authentication server where the information is compared with all the user credentials on file. When a match is found, the system will authenticate users and grant them access to their accounts . That is how both form will work

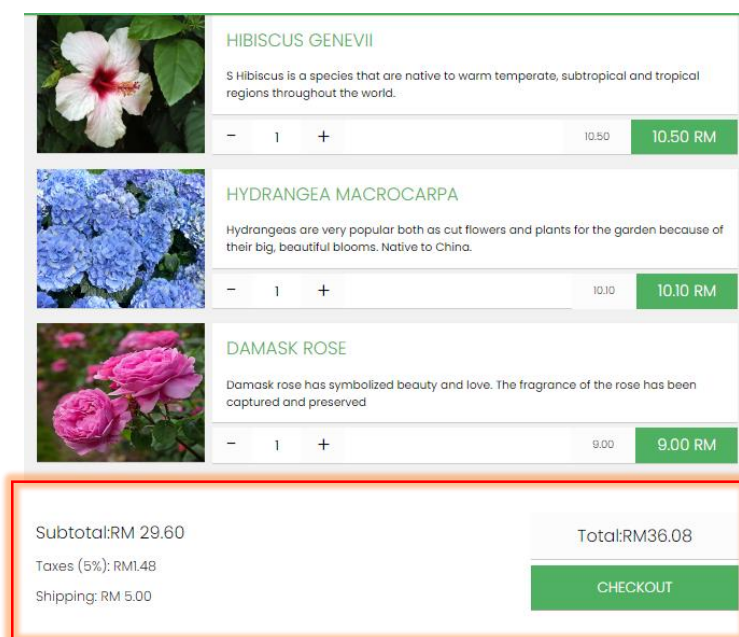
➤ Multi-Language Accesibility Functionality Button



Every retailers want their software to be used by millions of user . Achieving this goal becomes easier if users from all over the world can use the application. Since not all users are fluent or know in English or the target language, the developer must create a multilingual programme for easier user interface

These multi-language feature can store multilingual data. In other words, the backend should be able to provide data in multiple languages. To do this, the backend should connect and retrieve this data from a multi-language database. Thus, it is dynamic

➤ Calculation of Totals Price




The products and quantity in a customer's shopping basket are at their control. Any products that customers decide they no longer want can be removed. The


built-in calculator will compute and display the subtotal if customers alter the number of items. The calculator, for instance, will recognise when a customer removes an item valued RM15.00 and subtraction of RM15.00 from the subtotal will be calculated

➤ Customer Delivery Form Address


Delivery Address

 Full Name


John M. Doe

 Email

john@example.com

 Address

542 W. 15th Street

 City

Bandar Baru Bangi

State

Selangor

Zip


43650

When customers want to check out, they must first fill out an delivery form with their personal information or other customer's information they fill with. such as name, phone number, and address. This required user to write again of the form , because there could be any other pontential customer since it's not only limited to customer's account holder. This information will be saved in the database for the administrator view and get to know about their pontential customers.

➤ Upload File for Receipt Payment

Payment :

Bank Transfer Method Only



The image shows a yellow Maybank account information card. It displays the Maybank logo at the top, followed by 'Account No : 23601273910' and 'Account Holder : SITI KASSIM BINTI ALI'. There is also a small disclaimer in Indonesian at the bottom.

No file chosen
👉 Upload your receipt here 👉 Thank you.

☒ Shipping address same as billing

CONFIRM CHECKOUT

The payment method or upload the receipt is just next to delivery address form. Before confirm checkout was made, user must upload the payment receipt at the provided file uploader . This is because it is easier to use when administrator verifying the customer's information and payment proof before shipping out their items. This feature is considered dynamic because all information provided by customers is saved in the website's database.

