Al Imam Mohammad Ibn Saud University

College of Computer and Information Sciences

Computer Science Department

CS 346: Web Development

Project Report

Instructor: Amal Algefes

Date of submission: Sunday, February 12, 2023

[JAD Flower Shop]

| Student name	Student ID
Jumana Alduhim	441018580
Dai Aldrees	441020043
Amany Alghamdi	441019430
Jomana aldablan	441024113

Our website is a shop that sells flowers also it give the user the ability to customize his own bouquet/vase , our main purpose is the customer satisfaction, and to give the customer the ability to shop and customize their own bouquet to suit their needs and make their celebration and occasions special and memorable. Other feature in our website is that there is no specific restriction according to the age, minor or older can easily navigate through the pages.

There is a lot of competitors in the market but the thing that makes us special is by styling your bouquet in your own way.

About the logo, it was inspired by the initials of our names: Jumana, Amany, Dai.
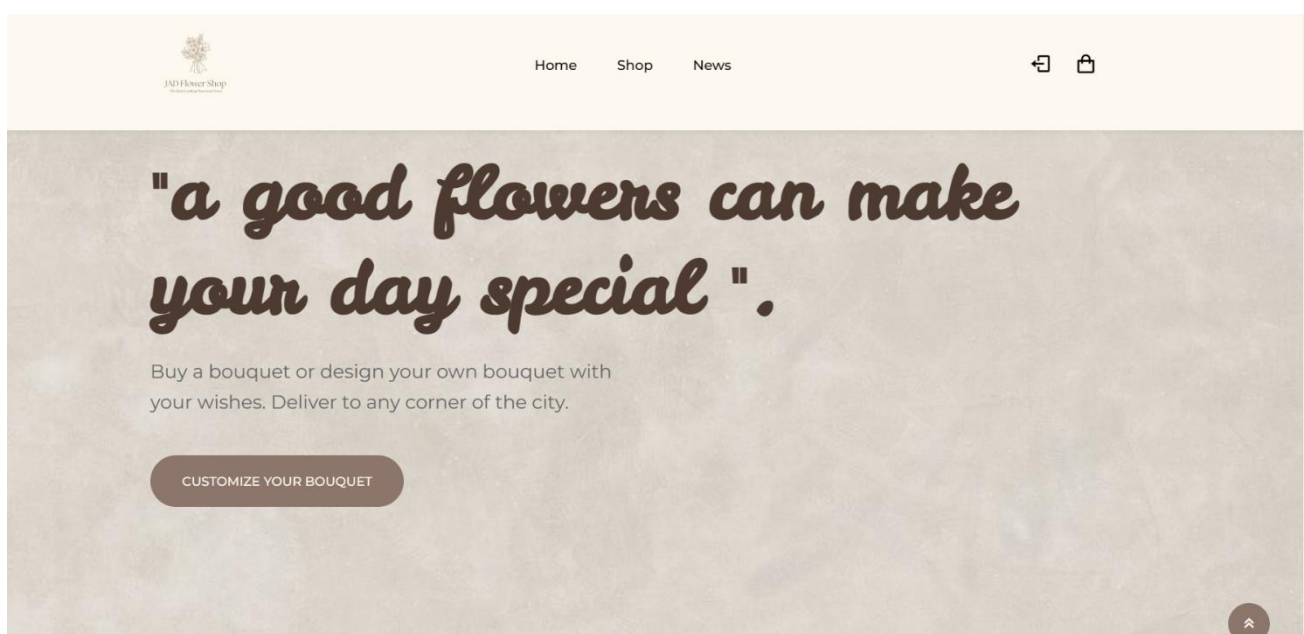
1. Flow Chart
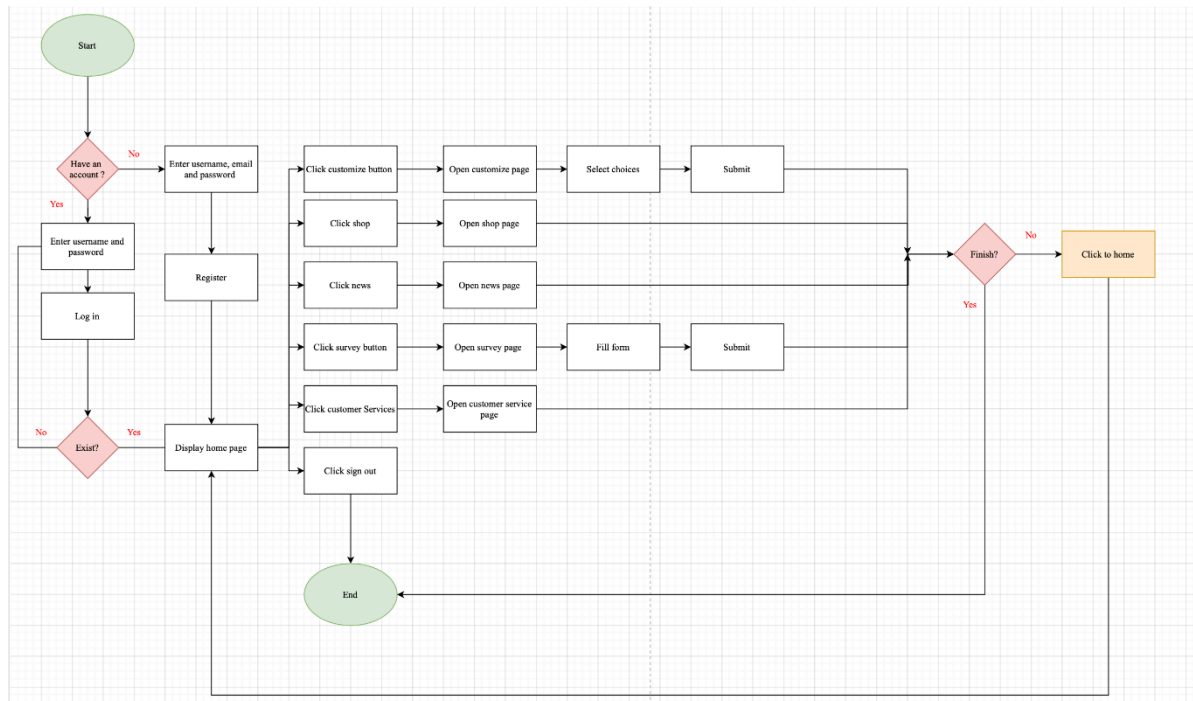
2. Look & Feel

We did our style by using warm calm colors to make a cozy elegant view to the user .

we set the bases in beige to give the user a comfort felling with the use of several shades of brown in every spot (texts , buttons) to make the website more classy and formal (neat) . the goal of designing this website was to highlight the logo of our brand. We added some positive quote to cheer up and attract the audience. The aim of choosing (Montserrat , sans-serif) fonts is to get the user attention , In view of the fact that the font has a small but significant effect on how a website looks..Font specifications should contain weights, size, and hierarchy in addition to regular component styles a same . The thing that makes us special that we are presenting flowers realistically .

Our design pallet (

```
11    :root{
12        --bg-color: #fdf8f0;
13        --main-color: #8c756a;
14        --text-color: #010101;
15        --2nd-color: #4d3a30;
16        --other-color: #666666;
17        --big-font: 5rem;
18        --h2-font: 2.3rem;
19        --p-font: 1.3rem;
20    }
```

)

3. Dynamic Components

We used java script in some component of our website to make it more functional and easy to access. in the account page we have used onScroll() for log in and register so the user can just click on one of them and the page upon your selection will appear in the box very smoothly .

We used another function onClick() so we use alerts and inform the user that we receive his submission such as survey and order .

We have created a basic webserver via Node.js and we adapt the webserver for our needs and connected it to a live database (mongoose).

```js
JS server.js > ...
 1    var express= require ("express");
 2
 3    var bodyparser= require ("body-parser");
 4
 5    var mongoose= require ("mongoose");
 6    const bodyParser = require("body-parser");
 7
 8    const app=express()
 9
10    app.use(bodyParser.json())
11
12    app.use(express.static('public'))
13
14    app.use(bodyParser.urlencoded({
15        extended:true
16    }))
17    mongoose.connect("mongodb://127.0.0.1:27017/FlowerShop",{
18        useNewUrlParser:true,
19        useUnifiedTopology:true
20    })
```

Our default route is linked with the 'accounts' page

```javascript
app.get("/",(req,res)=>{

    return res.redirect('account.html');
})
app.listen(3000,()=>console.log("3000"))
```

4. Business Logic

Our database name is 'FlowerShop ' and it has one collection 'Accounts',
The collection schema is :
username : which is for the username entered by the user and it has a STRING
data type .
email : which is for the entered email by the user and it has a STRING data
type.
password : which is for the entered password by the user and it has a STRING
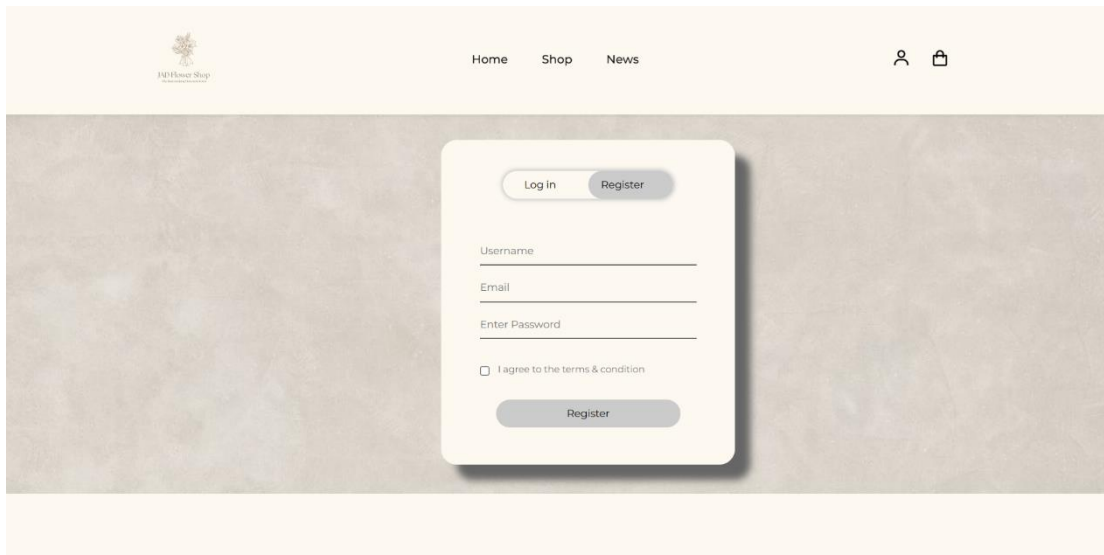data type.

We have used to queries :
db.collection('Accounts').insertOne(): it insert a new user in the 'FlowerShop'
database on Accounts collection.

db.collection('Accounts').find({Username:myid}) : it search for the registered
users in our Accounts collection on 'FlowerShop' database.

first we have created the post method for register page route , then we have
identified the variables id, password, email that was submitted in the request
body, then we used the insert query to add the user in the accounts collection ,
finally the user will be redirected to the home page .

```javascript
48
49   app.post("/register",(req,res)=>{
50       var id=req.body.Username;
51       var Password=req.body.Password;
52       var email=req.body.email;
53       var info={
54           "Username":id,
55           "email":email,
56           'Password':Password
57       }
58       db.collection('Accounts').insertOne(info,(error,coll)=>{
59           if(error){
60               throw error;
61           }
62           console.log("added to the db")
63
64       })
65       return res.redirect('home.html');
66   })
```
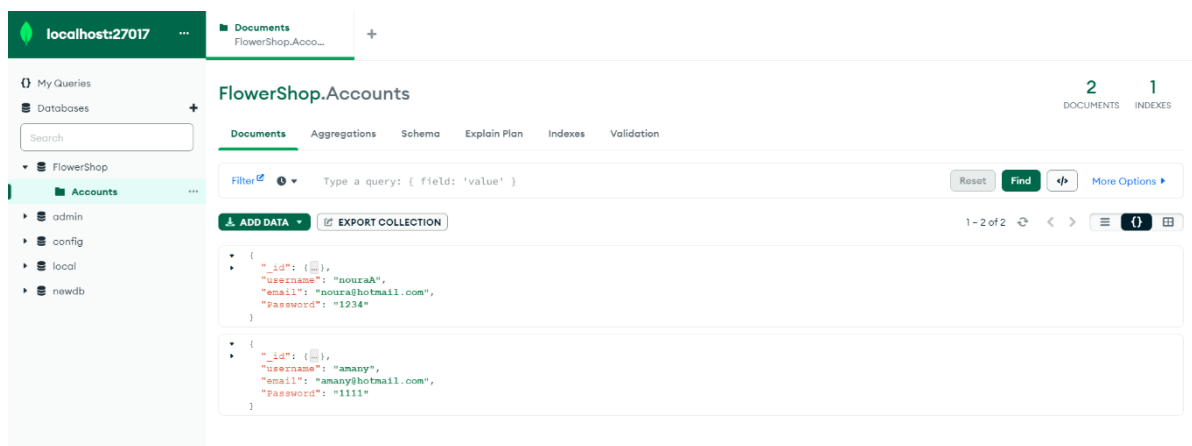
here we did the login process for login page route and used post method for it ,
we have identified the variables id, password, email that was submitted in the
request body, then create a variable called getpass which will use the find
query to search for a username ,if it exists then compare the entered password
with the password in the accounts collection , if matched the user will be
redirected to the home page successfully , else he will be redirect to the
accounts page (same page he's in).

```javascript
app.post("/login",async(req,res)=>{
    var myid=req.body.Username;
    var Password=req.body.Password;
    var getpass= await db.collection('Accounts').find({Username:myid}).toArray()
    if(getpass[0].Password==Password)
    return res.redirect('home.html');
    else
    return res.redirect('account.html');

})
```
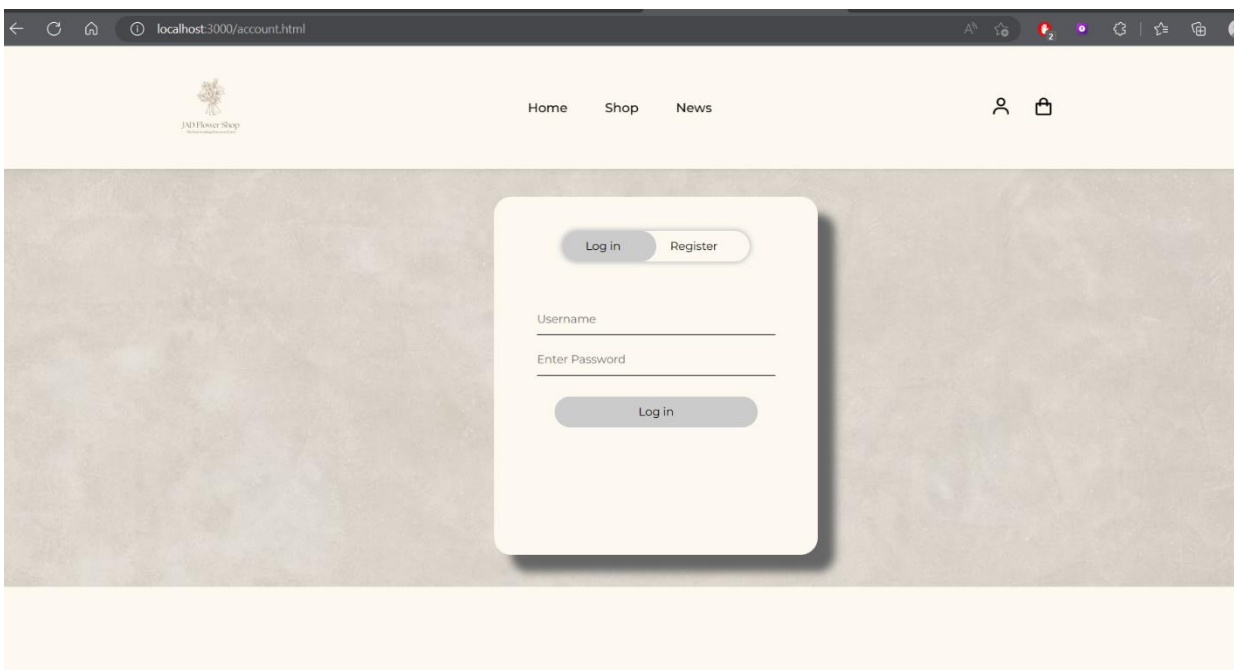
5. FlowerShop data base

Here is a snapshot of our users that are registered in our database .

References

Survey: https://www.youtube.com/watch?v=21HsKdVVqWg
Fonts :
https://fonts.gstatic.com
https://fonts.googleapis.com

icons :
Boxicons : Premium web friendly icons for free
Design :
Mr.web designer