

## **Final Course Project**

### **Section 1: Description of the Business**

The business I have chosen is a retail business that is a bakery, named under Perry's Bakehouse. This business is selling baked goods like cakes, cupcakes, muffins, bagels, and so on to the customers. As this is a startup, most of the customers would be local people and some of the small companies as well who would be willing to place an order to the bakery for a handful of special events. Moreover, this bakery would have a special collection of cakes for weddings and birthday parties. Furthermore, in order to grab the attention of more and more customers, the bakery would be providing a number of additional services like home delivery at a low cost. So, during this beginning phase, the bakery mainly emphasizes maximizing its reputation.

Considering the growing concern of individuals towards the hygiene, the bakehouse would ensure proper hygienic environment for the employees as well as customers. In addition, the goods provided would be made with high quality ingredients as the customer's health would be our main focus during these hard times.

Eventually, as the business expands, the quality as well as quantity of goods also escalates and the bakery would also begin attracting big companies.

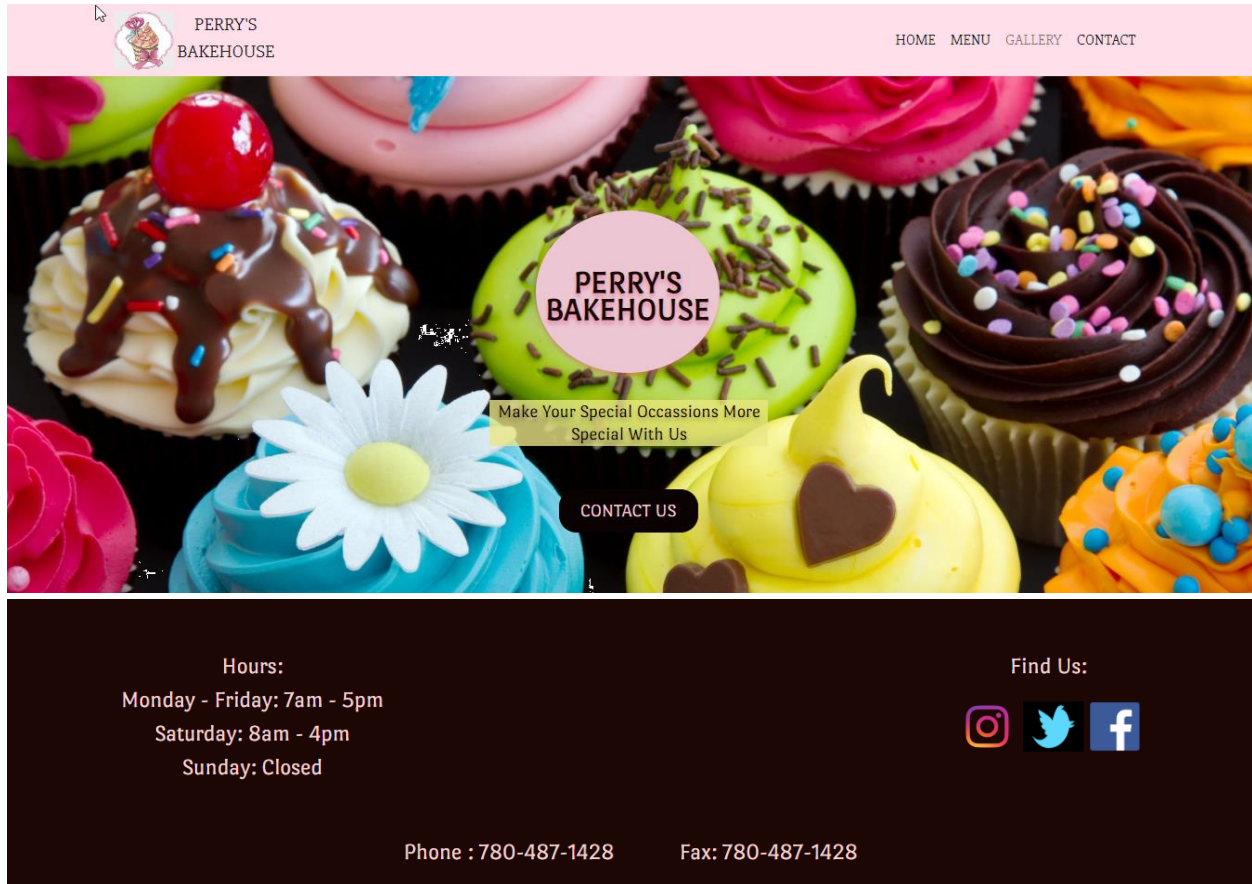
### **Section 2: Comparisons between figma wireframes and actual website**

- **Landing Page:**

Wireframe (below given is the wireframe from figma for the main page)



Website Screenshot (Side note: there are two screenshots as whole page cannot fit in a single screenshot and even zoom out doesn't seem appropriate option.)



Alterations: In navbar, instead of the "WHY US" option, there is a link to home (index) page. Moreover, the "GALLERY" doesn't go anywhere as I have deleted that "Photo gallery" section from this page because I think it wasn't that much necessary for a bakery website as the next page also shows some of the goods offered.

- **Menu Page:**

Wireframe (below given is the wireframe from figma for the menu page)





PERRY'S  
BAKEHOUSE

MENU   GALLERY   WHY US   CONTACT



MENU

Pick Up Any Of Your's Choice And Contact Us For Cash On Delivery Of Sweets



BAGELS



CUP CAKES



PASTRIES



MUFFINS



CAKES



WEDDING CAKES

Hours:  
Monday - Friday: 7am - 5pm  
Saturday: 8am - 4pm  
Sunday: Closed

Find us



Phone: 780.478,1218      Fax: 780.487,1428

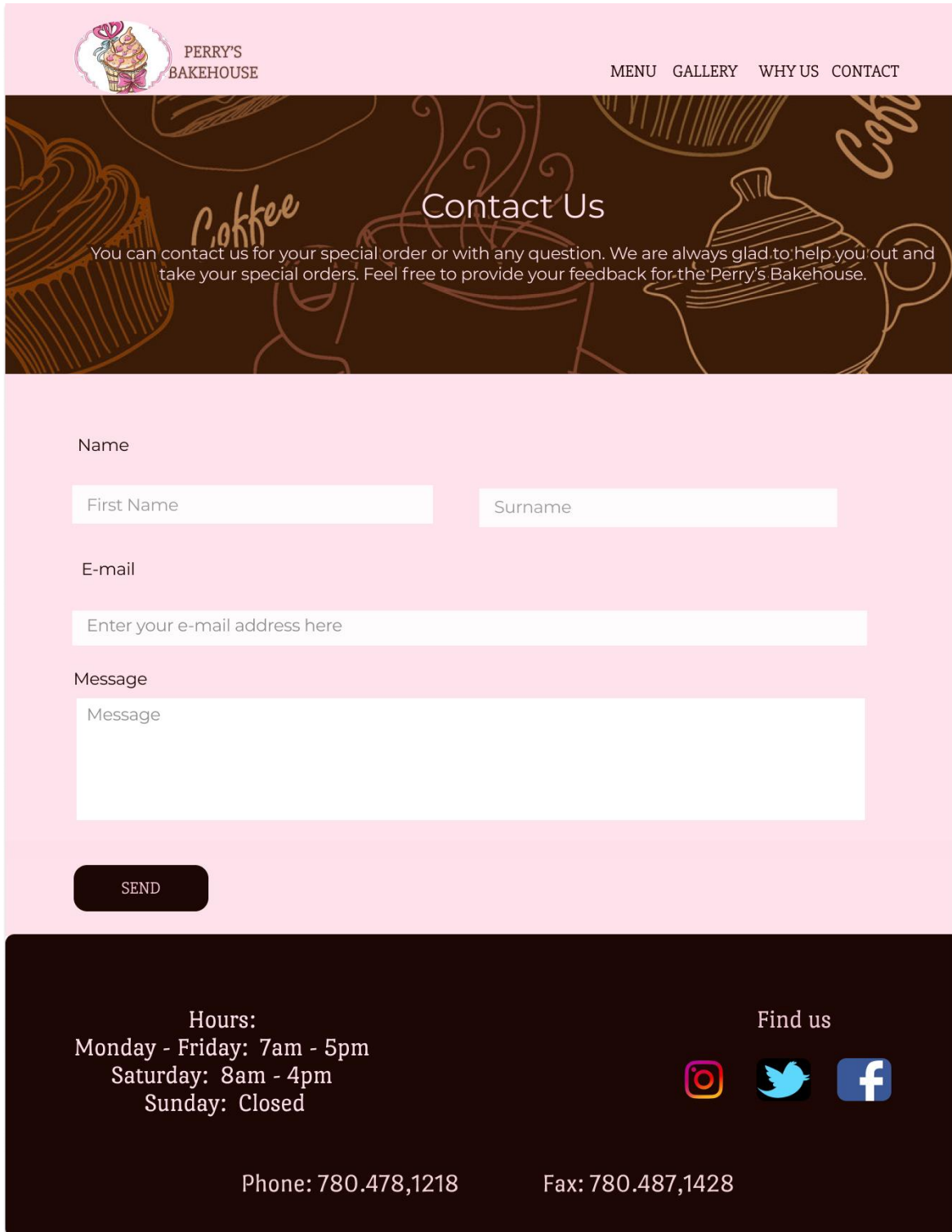
## Website Screenshot



Alterations: There are no important changes but some of the images are changed that because I was unable to find them online again. Additional the background of heading shown in screenshot of website is not same as exact website just because of zooming out.

- **Contact Page:**

Wireframe (below given is the wireframe from figma for the contact page)



PERRY'S  
BAKEHOUSE

MENUGALLERYWHY USCONTACT

## Contact Us

You can contact us for your special order or with any question. We are always glad to help you out and take your special orders. Feel free to provide your feedback for the Perry's Bakehouse.

Name

E-mail

Message

SEND




Hours:

Monday - Friday: 7am - 5pm

Saturday: 8am - 4pm

Sunday: Closed

Find us

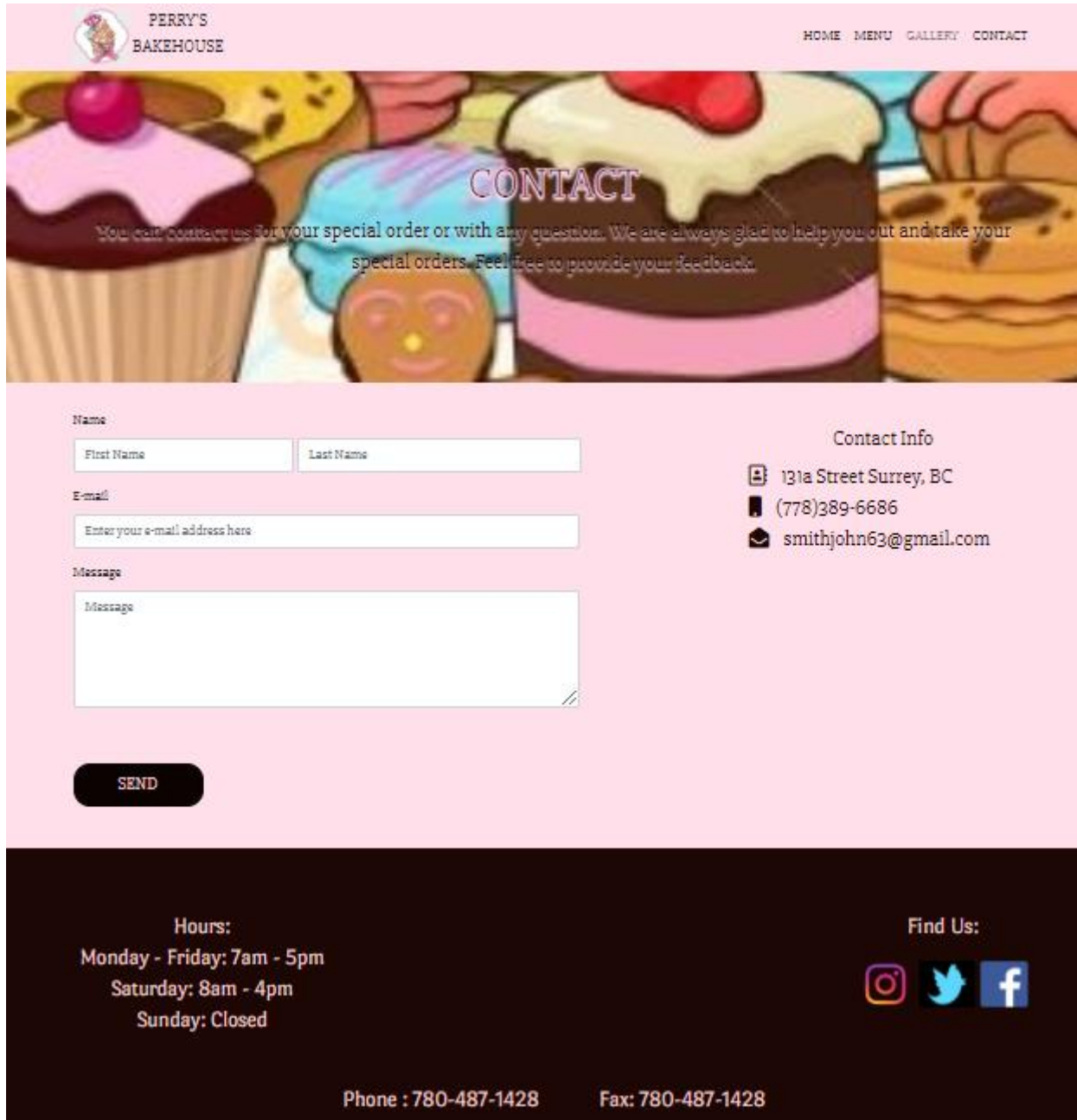


Phone: 780.478,1218

Fax: 780.487,1428



## Website Screenshot



The screenshot shows the contact page for Perry's Bakehouse. The header includes the logo and navigation links. The main heading is 'CONTACT' with a descriptive paragraph. Below this is a contact form with fields for Name (First and Last), E-mail, and a Message box, followed by a 'SEND' button. To the right of the form is 'Contact Info' including address, phone, and email. The footer contains 'Hours' for Monday through Sunday, 'Find Us' with social media icons, and phone/fax numbers.

PERRY'S  
BAKEHOUSE

HOME MENU GALLERY CONTACT

## CONTACT

You can contact us for your special order or with any question. We are always glad to help you out and take your special orders. Feel free to provide your feedback.

Name

First Name Last Name

E-mail

Enter your e-mail address here

Message

Message

SEND

Contact Info

131a Street Surrey, BC  
(778)389-6686  
smithjohn63@gmail.com

Hours:

Monday - Friday: 7am - 5pm  
Saturday: 8am - 4pm  
Sunday: Closed

Find Us:

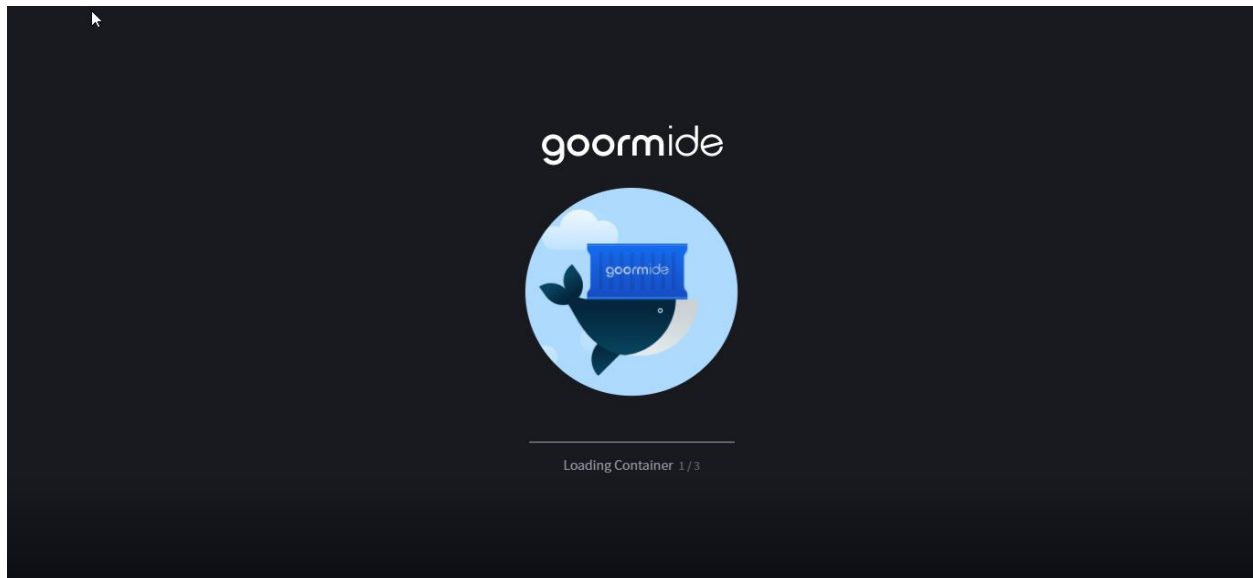
Instagram Twitter Facebook

Phone : 780-487-1428 Fax: 780-487-1428

Alterations: A new card is created giving the contact info as I feel it paramount to display bakery's location, email address on the webpage. Likewise, there is alteration in background of heading.

### Section 3: Instructions to run your project in GoormIDE

Step 1: First of all, in order to run my project in GoormIDE, you ought to click on the link given in the submission section under the name "**GoormIDE Project Share Link**" which would start loading the container and it will look like this:



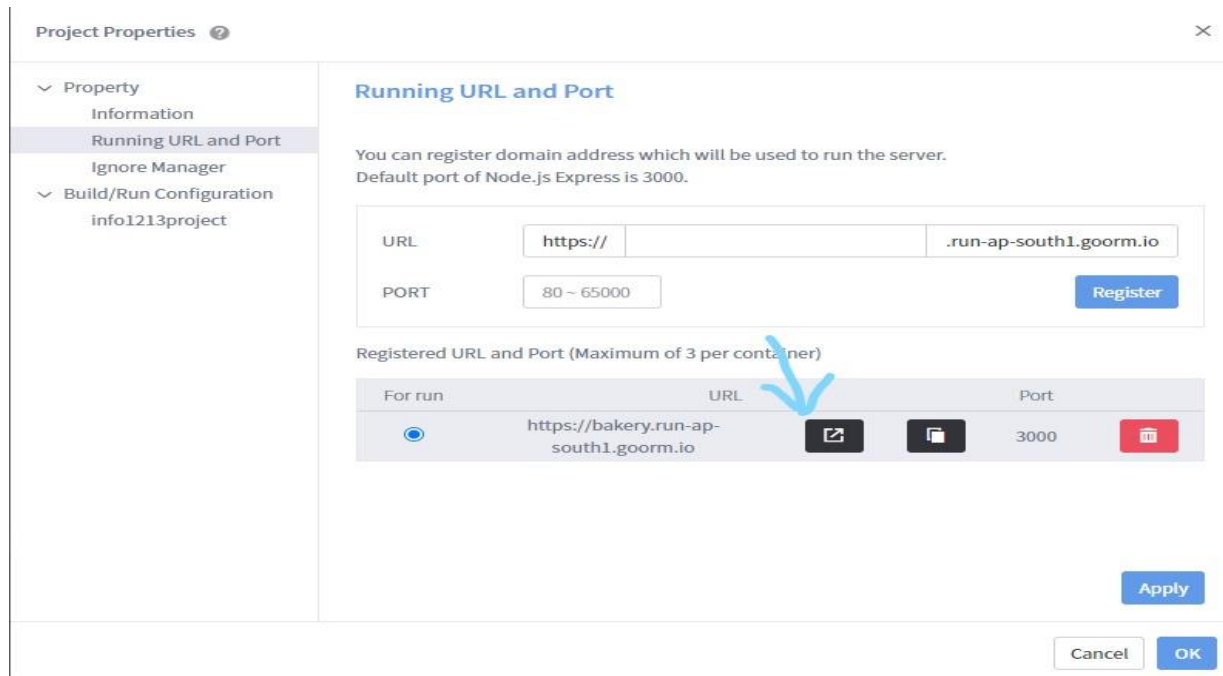
Step 2: After the container is loaded, in the terminal make sure that you are in "Thebakery" directory. So, run the command "**cd Thebakery**" firstly. Now, after you are finally in the directory named Thebakery, run the command "node app.js" in the terminal in order to start the server and once the server is started, you would get a console.log "Server Has Started".

```
TERMINAL ↺ SEARCH RESOURCE MONITOR LINT
root@goorm:/workspace/info1213project# cd Thebakery
root@goorm:/workspace/info1213project/Thebakery# node app.js
Server Has Started!
█
```

Step 3: Now, for accessing the webpage, go to "PROJECT" and then to "Running URL and PORT". Hence, the following project properties page would pop up.



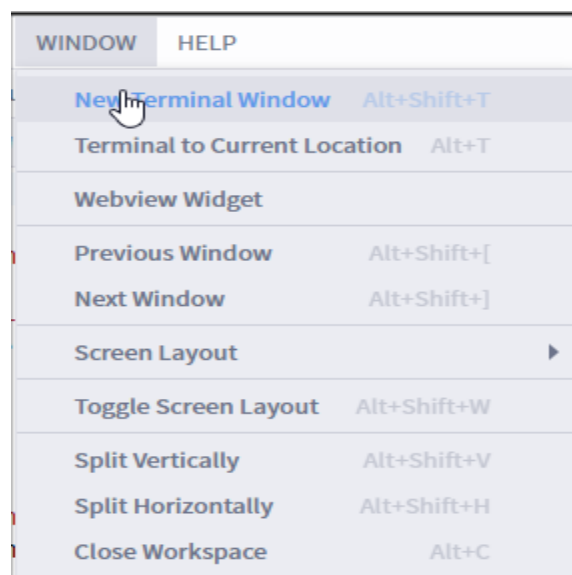
## Course Project



Furthermore, with the aid of the indicated link, you can open the bakery's webpage.

Step 4: For opening mongo shell, firstly run "**mongod**" command in the terminal and then in another terminal run "**mongo**" to open the mongo shell.

Question is how to open a new terminal: For this you can simply go to "WINDOW" and from there click on "New Terminal Window" as shown below:



Furthermore, then write "use perry\_bakery" to use the database I made for this project. After that, by running "db.menu.find()", you can check all the objects containing name and an image URL for the menu items. This is illustrated below:

```
> use perry_bakery
switched to db perry_bakery
> db.menu.find()
{ "_id" : ObjectId("5f3021e5aa89d8763d668f80"), "name" : "Bagles", "image" : "https://i.pinimg.com/originals/55/7d/b1/557db1807ae41edc462aa62a5dd45e66.jpg" }
{ "_id" : ObjectId("5f3023d9ed9691c851b137a0"), "name" : "Cupcakes", "image" : "https://i.pinimg.com/originals/ff/8e/7a/ff8e7a989551b7e3ac3908844a3b28a2.jpg" }
{ "_id" : ObjectId("5f302400ed9691c851b137a1"), "name" : "Pastries", "image" : "https://i.ytimg.com/vi/Wvkl-rEurQ/maxresdefault.jpg" }
{ "_id" : ObjectId("5f302427ed9691c851b137a2"), "name" : "muffins", "image" : "https://www.tasteandtellblog.com/wp-content/uploads/2020/01/Lemon-Muffins-tasteandtellblog.com-1.jpg" }
{ "_id" : ObjectId("5f302447ed9691c851b137a3"), "name" : "cakes", "image" : "https://i2.wp.com/sugarspiceslife.com/wp-content/uploads/2018/04/White-Almond-Cake-with-Raspberry-Filling-and-Buttercream-Frosting-2.jpg?resize=600%2C900&ssl=1" }
{ "_id" : ObjectId("5f302470ed9691c851b137a4"), "name" : "wedding cakes", "image" : "https://www.deliveringcommunications.com/campaigns/Movenpick/Download/MVP-asia_WeddingCake.jpg" }
>
```

Please, don't forget exit of mongo shell (Press ctrl +C to exit mongo shell) and then start the server again as shown above before going to these webpages otherwise these webpages don't open and would show a error to you.

## Section 4: Feature/Content Explanations

First and foremost, I make the Server to run on PORT 3000 via the following code

```
app.listen(process.env.PORT || 3000, process.env.IP, function(){
  console.log("Server Has Started!");
});
```

One can visit the landing page via the index route (/). Moreover, next comes is the menu page that can be accessible by "/menu" Likewise, route for contact page is "/contact" and following are the direct links to these webpages.

Landing Page: <https://bakery.run-ap-south1.goorm.io/>

Menu Page: <https://bakery.run-ap-south1.goorm.io/menu>

Contact Page: <https://bakery.run-ap-south1.goorm.io/contact>

Following screenshot shows how I have included these backend features.

```
app.get("/", function(req, res){
    res.render("home")
});

app.get("/menu", function(req, res){
    res.render("menu", {menu: menu});
});

app.get("/contact", function(req, res){
    res.render("contact");
});
```

- **Header:** The navbar, that is common in all the pages have the logo and name of the bakery on the right hand side that gives the bakery a unique identity via logo. Along with that, these two are the links to the landing page and this navbar is included by using a bootstrap class "navbar" and is also made responsive by using "navbar-toggler" class as illustrated below:

```
20 <nav id="navbar" class= "navbar navbar-expand-md navbar-light navbar fixed-top">
21 <div class="container container-fluid">
22 <a class="navbar-brand" href="/">
23 | |  <span class="d-inline-block text-align center font-weight
normal name"> PERRY'S <br> BAKEHOUSE</span>
24 | </a>
25 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
26 <span class="navbar-toggler-icon"></span>
27 </button>
28
29 <div class="collapse navbar-collapse" id="navbarSupportedContent">
30 <ul class="navbar-nav ml-auto">
31 | <li class="nav-item nav-right active">
32 | <a class="nav-link" href="/">HOME</a>
33 | </li>
34 <li class="nav-item active">
35 | <a class="nav-link" href="/menu">MENU <span class="sr-only">(current)</span></a>
36 | </li>
```

However, on the left hand side, there are HOME, MENU, GALLERY, CONTACT; these are links to their respective pages so that user can easily navigate from one page to another except GALLERY, which is disabled.

- **Footer:** This part consists of handful of information of the bakery like its opening hours, social media accounts and phone number and is actually a jumbotron. Whistle, the links to social media are not working right now. All the items are properly organized and responsive by using bootstrap as well as css properties. This is how I have used bootstrap grid system to make the footer responsive:

```
<div id="foot" class= "jumbotron pb-4 mb-0">
  <div class="row container text-center pl-0 align-middle">
    <!-- <div class="d-flex text-center"> -->
      <div class=" col-md-6 text-center">Hours: <br>
        Monday - Friday: 7am - 5pm <br>
        Saturday: 8am - 4pm <br>
        Sunday: Closed <br>
      </div>
      <div class="p-2 col-sm-12 mt-0 col-md-6 mt-2 ">Find Us: <br>
        <a href="#">
          
        </a>
        <a href="#">
          
        </a>
        <a href="#">
          
        </a>
      <!-- </div> -->
    </div>
    <div class=" col-md-12 row text-center align-middle ml-5 pt-5">
      <span class="col-md-6">Phone : 780-487-1428</span> <span class="col-md-6">Fax: 780-487-1428</span>
    </div>
  </div>
```

And Here's the CSS code:

```
#foot{
  background: #1C0704;
  color: #F4D4D4;
  font-family: 'Port Lligat Sans', sans-serif;
  font-size: 25px;
  border-radius: 0;
}

.insta{
  width: 65px;
  height: 65px;
}

.social{
  width: 65px;
  height: 55px;
}

.facebook{
  width: 55px;
  height: 55px;
}
```



- **Landing Page:** Whenever the page loads, there is a prompt popping up asking for the customer's name and after clicking "OK", an alert would come up. This provides assurance to the customers that how safe it is to shop from Perry's Bakehouse. Moreover, these are included by using the JavaScript properties prompt and alert as shown below:

```
var person = prompt("Please enter your name");  
  
alert("Welcome to Perry's Bakehouse " + person + " You can freely choose us for any bakery product as we consider your health as our first priority and maintain proper hygiene in our bakehouse. Stay safe for yourself as well as for your family! ")
```

Zooming further, there is a jumbotron added by using jumbotron class of bootstrap that contains the name of the bakery plus a supporting line. Furthermore, a button naming "CONTACT US" which is a direct link to contact page and is a link tag with bootstrap classes of "**btn btn-default custom-btn-class btn-lg**". After that CSS is used to change the default appearance of this button so that it can match with the website design as shown below.

```
.btn-default{  
    background-color:  rgb(11, 3, 2);  
    color:#F7C7D7;  
    border-color:  rgb(11, 3, 2);  
    border-radius: 19px;  
    width: 150px;  
}  
  
.btn-default:hover, .btn-default:focus, .btn-default:active  
    background-color:  rgb(11, 3, 2);  
    color:#F7C7D7;  
    border-color:  rgb(11, 3, 2);  
    border-radius: 19px;  
}
```

- **Menu Page:** Likewise, it also has a jumbotron with a heading ("MENU") and some text (Pick up any of yours choice and contact us for cash on delivery of sweets), having a fixed background image. I have included a jumbotron as it makes the website look nicer by differentiating the heading and the supporting text from the other page. The code for this is as follows:

```

<%-include ('partials/header')%>

<header class="jumbotron text-center align-middle menu">
  <div class="container">
    <h1 class="font-weight-bolder mhead">MENU</h1>
    <p>Pick up any of your's choice and contact us for cash on delivery of sweets</p>

  </div>
</header>

```

Moving further, with the aid of express and node js, a dynamic menu is created that have a name and an image for each menu item. For enhancing the layout of the menu items, the bootstrap grid system is used that avail to make responsive design. To make the website look more attractive some of the css properties on the text are also used like stroke, bold and so on. Code for this is given below:

```

<div class="row text-center container mx-auto">
  <% menu.forEach(function(menu){ %>
    <div class="col-md-4 col-sm-6 text-center mx-auto">
      <div class="thumbnail" >
        
        <div class="bottom font-weight-bolder">
          <h4><%= menu.name %></h4>
        </div>
      </div>
    </div>
  <% }); %>
</div>

```

- **Contact Page:** This page also has similar typejumbotron in order to masses aware that on this page they would find the source to communicate with the bakery employees. There are two cards one consisting of a form via which customers can send message to bakery. This is a simple form with labels and placeholders as shown below.

```

<form action="mailto: anmolSidhu01234@gmail.com" method="POST">
  <div id="leftcolumn" class="form-group">
    <label for="name">Name</label>
    <input type="text" class="form-control" id="name" placeholder="First
Name" required>
  </div>

  <div id="contentwrapper" class="form-group">
    <label for="name"></label>
    <input type="text" class="form-control" id="name" placeholder="Last
Name">
  </div>
</div>
<div class="form-group" >
  <label for="email">E-mail</label>
  <input type="email" class="form-control" id="email" placeholder="Enter your
e-mail address here" required>
</div>
<div class="form-group">
  <label for="message">Message</label> <br>
  <textarea id="message" class="form-control" name="message" rows="5"
cols="75" placeholder="Message"></textarea>
</div>
<a href="/contact" class="btn btn-default custom-btn-class btn-lg active mt-
5" role="button" aria-pressed="true">SEND</a>
</div>
</form>

```

And another card contain the text that is the email address of bakery, it's location as well as another phone number. The code for this card in is shown in following screenshot.

```

<div class="col-lg-4">
  <div class="card h-5 border-0 mb-5">
    <div class="card-body cv text-light">
      <h4 class="card-title text-center">Contact Info</h4>
      <p class="card-text" id="info">
        <i class="far fa-address-book mr-3"></i>131a Street Surrey, BC <br>
        <i class="fas fa-mobile mr-3"></i>(778)389-6686 <br>
        <i class="fas fa-envelope-open mr-3"></i>smithjohn63@gmail.com
      </p>
    </div>
  </div>
</div>
</div>

```

Besides that, these two cards are also responsive with the aid of bootstrap grid system.