











Grade 2

IT Department **Web Development**

ON-SITE GUIDE 2025 - 2026

On-site 2







Build Restaurant Website Using Flexbox

Software Requirements Specification (SRS)

1. Introduction

1.1 Purpose

This project aims to train students in front-end web development by creating a static, visually appealing restaurant webpage using only HTML and CSS. The focus is on mastering layout techniques such as CSS Grid and Flexbox to organize content in a responsive and modern manner.

1.2 Scope

The webpage will include sections such as header, menu, special offers, reviews, gallery, and contact information. Students will learn to structure HTML semantically and style the page effectively without JavaScript, emphasizing CSS layout strategies.

1.3 Definitions, Acronyms, and Abbreviations

- CSS: Cascading Style Sheets
- Flexbox: CSS Flexible Box Layout Module
- CSS Grid: CSS Grid Layout Module
- SRS: Software Requirements Specification

1.4 References

- MDN Web Docs on HTML, CSS, Flexbox, and CSS Grid
- Web development best practices







2. Overall Description

2.1 Product Perspective

This is a standalone static webpage designed as a training project for students, demonstrating layout techniques with CSS Grid and Flexbox.

2.2 Product Functions

- Display a header with branding
- Present an introduction or description about the restaurant
- Showcase special offers
- List customer reviews
- Display a food gallery
- Include a contact section with location and social media links

2.3 User Classes and Characteristics

- **Students**: Learners practicing HTML and CSS layout techniques
- **Instructors**: Facilitators evaluating the students' work

2.4 Operating Environment

- Modern web browsers (Chrome, Firefox, Edge, Safari)
- Responsive design for various screen sizes

2.5 Assumptions and Dependencies

- Students will have access to a code editor (e.g., VS Code)
- Students will understand basic HTML and CSS concepts
- No JavaScript or back-end functionality is required







3. Specific Requirements

3.1 Functional Requirements

ID	Description
FR-	The webpage shall contain a header section with logo and navigation.
FR- 2	The webpage shall include an introductory section about the restaurant.
FR-3	The webpage shall display a "Special Offers" section with highlighted deals.
FR- 4	The webpage shall list customer reviews with star ratings.
FR- 5	The webpage shall include a food gallery with images of dishes.
FR-	The webpage shall contain a contact section with location, social media links, and contact info.
FR-7	The layout shall be implemented solely using CSS Grid and Flexbox.
FR- 8	The webpage shall be responsive, adjusting layout for mobile, tablet, and desktop screens.

3.2 Non-Functional Requirements

ID	Description
NFR-1	The webpage shall load within 2 seconds on standard broadband.
NFR-2	The design shall be visually appealing and consistent throughout.
NFR-3	The code shall follow semantic HTML standards.
NFR-4	The layout shall adapt seamlessly to different device sizes (responsive).
NFR-5	The webpage shall be accessible for users with disabilities (basic accessibility).







3.3 Layout and Design Requirements

- Use CSS Grid to structure main sections of the page (header, main content, footer)
- Use Flexbox for aligning items within sections (e.g., navigation, review list, gallery)
- Ensure all sections are styled with cohesive color schemes and fonts
- Maintain readability and visual hierarchy

4. External Interface Requirements

4.1 User Interfaces

- Static web page with a clean, modern visual style
- Navigation menu with clickable links (can be dummy links for training)
- Responsive layout with flexible images and text blocks

4.2 Hardware Interfaces

• No specific hardware interfaces; runs on any device with a modern browser

4.3 Software Interfaces

No dynamic interaction; purely static HTML and CSS

5. Other Requirements

- Students should document their HTML structure and CSS layout choices
- The project should be submitted as a folder containing .html files and .css files
- Focus on clean, organized, and well-commented code

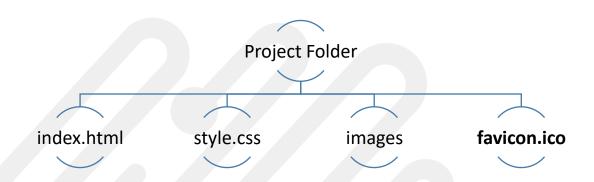






Add a new folder to the project and inside it adds a folder for images and a file named index.html and another named style.css

Project Structure:



Step 1:

1. In Index.html Using boilerplate template (shift +!) to starting code for HTML

Editor directly write:

2. Change page Title to

<title> Food Lover </title>

3. Link the style.css file to the Index.html page.

<!-- Style Sheet -->







```
<link rel="stylesheet" href="./style.css">
```

4. Add Font awesome library

```
<!-- Font awesome -->
```

5. Link the favicon file to the Index.html page.

```
<!-- Favicon -->

link rel="shortcut icon" type="image/x-icon"
href="./favicon.ico">

</head>
```

6. Add Quicksand (300;400;500,600,700) font to project in style.css file.

In style.css

```
@import
url("https://fonts.googleapis.com/css2?family=Quicksand:wght@30
0;400;500;600;700&display=swap");
```

/* Reset all styles */

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
/*Smoothly animate the scroll position*/
html {
    scroll-behavior: smooth;
}
body {
    font-family: "Quicksand", sans-serif;
```

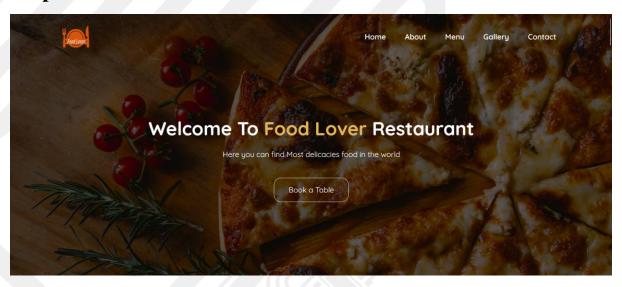






```
}
a {
  text-decoration: none;
  color: #fff;
}
ul {
  list-style: none;
}
.container {
  max-width: 1100px;
  margin: auto;
}
```

Step 2: Header Section



1. In index.html create header tag

```
<br/>
<br/>
<!-- Header Start -->
<header>
</header>
<!-- Header End -->
</body>
```

2. In style.css initiate header boundaries and place

```
/* Header Start */
```







```
header {
  height: 100vh;
  background: url("./images/home bg.jpeg") center center/cover no-
repeat;
  position: relative;
header::before {
  content: "";
  width: 100%;
  height: 100%;
  position: absolute;
  top: 0;
  left: 0;
  background: rgb(0, 0, 0, 0.6);
header * {
  z-index: 10;
  /*all header content*/
```

3. In index.html build navbar structure

```
<!-- Header Start -->
```

<header>

7 Houder

<!-- Header End -->







4. In style.css stylize navbar

```
#navbar {
  display: flex;
  justify-content: space-between;
  align-items: center;
  height: 100px;
  width: 100%;
#navbar img {
  width: 80px;
  margin-left: 100px;
nav ul {
  display: flex;
  margin-right: 100px;
nav ul li a {
  padding: 15px 20px;
  font-weight: 600;
nav ul li a:hover {
  border-bottom: 2px solid #e4b95b;
```

5. In index.html build header content

```
</div><!-- #navbar -->
```







</div><!-- content -->

6. In style.css stylize header content

```
header .content {
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  height: 75%;
  /* Add exmple of greeen background */
header .content h1 {
  font-size: 40px;
  color: #fff;
header .content p {
  color: #fff;
  margin: 20px 0 40px;
/* Header End */
/* Utility Classes */
.btn {
  display: inline-block;
  padding: 15px 30px;
  border: none;
  border-radius: 15px;
  cursor: pointer;
.btn-primary {
  border: 1px solid #fff;
.btn-primary:hover {
  background: #e4b95b;
.primary-text {
  color: #e4b95b;
```









Step 3: About Section

The Food Lover history

More than 25+ years of experience

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Consequuntur, quibusdam saepe natus numquam dolorum aliquam ducimus molestias tenetur? Quaerat, atque blanditiis. Debitis voluptatem sequi quibusdam nihil eveniet obcaecati soluta rem.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quaerat nesciunt aspernatur earum sequi consequatur, quasi iste quod nam esse adipisci neque commodi voluptate deserunt architecto rerum. Blanditiis labore sed sapiente.

LEARN MORE









1. In Index.html build main content of about section

```
<main>
    <!-- About Section Start -->
    <section id="about">
       <div class="container">
         <div class="title">
           <h2>The Food Lover history</h2>
           More than 25+ years of experience
         </div><!-- title -->
         <div class="about-content">
           <div>
              Lorem ipsum dolor sit amet, consectetur adipisicing
elit. Consequuntur, quibusdam saepe natus
                numquam dolorum aliquam ducimus molestias tenetur?
Quaerat, atque blanditiis. Debitis
                voluptatem
                sequi quibusdam nihil eveniet obcaecati soluta
rem.
              Lorem ipsum dolor sit amet, consectetur adipisicing
elit. Quaerat nesciunt aspernatur earum
                sequi
                consequatur, quasi iste quod nam esse adipisci neque
commodi voluptate deserunt architecto
                rerum. Blanditiis labore sed sapiente.
```







```
<a href="#" class="btn btn-secondary">LEARN

MORE</a>
</div>
<img src="./images/about_img.png" alt="Pizza">
</div> <!-- about-content -->
</div> <!-- container -->
</section>
<!-- About Section End -->
```

2. In style.css stylize about section

```
/* About Start */
#about {
  /* height: 80vh; */
  background: #f4f4f4;
  display: flex;
  justify-content: center;
  align-items: center;
  padding: 5rem 0;
#about .title {
  text-align: center;
  margin-bottom: 4rem;
#about h2 {
  font-size: 40px;
  margin-bottom: 20px;
  color: #383848;
#about .title p {
  font-weight: 600;
  font-size: 14px;
  color: #9a9a9a;
#about .about-content {
  display: flex;
  justify-content: space-between;
#about .about-content p {
  margin-right: 7rem;
```

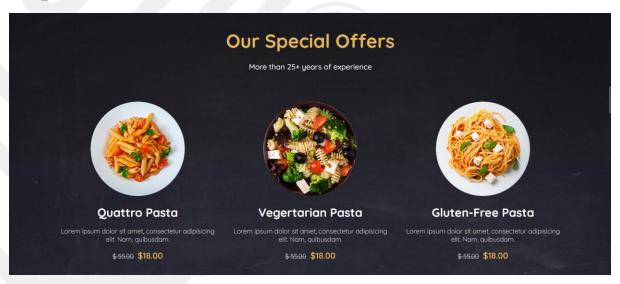






```
line-height: 1.6;
color: #9a9a9a;
font-weight: 500;
}
#about img {
    max-width: 450px;
}
#about .about-content a {
    margin-top: 2rem;
}
/* About End */
.btn-secondary,
.btn-third:hover {
    background: #383848;
}
.btn-primary:hover,
.btn-secondary:hover,
.btn-third {
    background: #e4b95b;
}
```

Step 4: Offers Section



1. In index.html build structure for offers section

<!-- Offers Section Start -->

<section id="offers">







```
<div class="container">
         <div class="title">
           <h2>Our Special Offers</h2>
           More than 25+ years of experience
         </div>
         <div class="offers-items">
           <div>
             <img src="./images/offer1.png" alt="Quattro Pasta">
                <h3>Quattro Pasta</h3>
                Lorem ipsum dolor sit amet, consectetur
adipisicing elit. Nam, quibusdam.
                <del>$ 55.00</del> <span class="primary-
text">$18.00</span>
             </div>
           </div><!-- 1 -->
           <div>
             <img src="./images/offer2.png" alt="Vegertarian Pasta">
             <div>
                <h3>Vegertarian Pasta</h3>
                Lorem ipsum dolor sit amet, consectetur
adipisicing elit. Nam, quibusdam.
                <del>$ 55.00</del> <span class="primary-
text">$18.00</span>
             </div>
           </div><!-- 2 -->
           < div>
             <img src="./images/offer3.png" alt="Quattro Pasta">
             < div>
                <h3>Gluten-Free Pasta</h3>
                Lorem ipsum dolor sit amet, consectetur
adipisicing elit. Nam, quibusdam.
                <del>$ 55.00</del> <span class="primary-
text">$18.00</span>
             </div>
           </div><!-- 3 -->
         </div><!-- offers-items -->
      </div><!-- container -->
    </section>
```







2. In style.css

```
#offers {
  /* height: 80vh; */
  padding: 5rem 0;
  background: url("./images/offer-background.jpg") center center/cover
fixed;
  display: flex;
  flex-direction: column;
  justify-content: center;
#about .title,
#offers .title {
  text-align: center;
  margin-bottom: 4rem;
#about h2,
#offers h2 {
  font-size: 40px;
  margin-bottom: 20px;
#offers h2 {
  color: #e4b95b;
#offers .title p {
  color: #fff;
  font-weight: 500;
#offers .offers-items {
  display: flex;
  justify-content: space-around;
  align-items: center;
  text-align: center;
#offers .offers-items img {
  width: 200px;
#offers .offers-items h3 {
  font-size: 25px;
```







```
color: #fff;
margin: 15px 0;

}
#offers .offers-items p {
   color: #fff;
   font-size: 14px;
   padding: 0 20px;
   font-weight: 300;
   margin-bottom: 15px;
}
#offers .offers-items span {
   font-weight: 600;
   font-size: 18px;
   margin-left: 5px;
}
/* Offers Section end */
```

Step 5: Menu Section

Our Special Menu

Order two and get third for free









1. In index.html build structure of Menu section

<!-- Menu Section Start -->

<!-- Menu Section End -->

2. In Style.css stylize main structure of Menu

```
/* Menu Section Start */
#menu {
    background: #f4f2ed;
    padding: 5rem 0;
}
#about .title,
#offers .title,
#menu .title {
    text-align: center;
    margin-bottom: 4rem;
}
#about h2,
#offers h2,
#menu h2 {
    font-size: 40px;
    margin-bottom: 20px;
}
```







```
#menu .title h2 {
   color: #383848;
}
#menu .title p {
   color: #9a9a9a;
   font-weight: 500;
}
#menu .menu-items {
   display: flex;
   justify-content: center;
   align-items: center;
}
```

3. In index.html build dishes in left column in Menu

<div class="menu-items-left">

```
<div class="menu-item">
               <img src="./images/food1.png" alt="LASAL Cheese">
               < div >
                 <h3>LASAL CHEESE <span class="primary-
text">$18.00</span></h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div><!-- menu-item -->
             <div class="menu-item">
               <img src="./images/food2.png" alt="JUMBO CRAB</pre>
SHRIMP">
               <div>
                 <h3>JUMBO CRAB SHRIMP <span
class="primary-text">$24.00</span></h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food3.png" alt="KOKTAIL</pre>
JUCIE"≥
```







```
< div>
                  <h3>KOKTAIL JUCIE <span class="primary-
text">$12.00</span></h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food4.png" alt="CAPO STEAK">
               <div>
                 <h3>CAPO STEAK <span class="primary-
text">$60.00</span></h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food5.png" alt="ORGANIC</pre>
FRUIT SALAD">
               <div>
                 <h3>ORGANIC FRUIT SALAD <span
class="primary-text">$8.00</span></h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food6.png" alt="CHEESE</pre>
PIZZA">
               <div>
                  <h3>CHEESE PIZZA <span class="primary-
text">$18.00</span></h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
```

</div><!-- menu-items-left -->









4. In index.html build dishes in right column in Menu

<div class="menu-items-right">

```
<div class="menu-item">
               <img src="./images/food7.jpeg" alt="KOFTA</pre>
MEAT">
               < div >
                  <h3>KOFTA MEAT <span class="primary-
text">$40.00</span></h3>
                  Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food8.jpeg" alt="SPANISH
PIES">
               <div>
                  <h3>SPANISH PIES <span class="primary-
text">$14.00</span></h3>
                  Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food9.jpeg" alt="CHEESE
TOST">
               < div >
                  <h3>CHEESE TOST <span class="primary-
text">$6.00</span> </h3>
                  Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food10.jpeg" alt="FRUIT</pre>
SALAD">
               < div>
```







```
<h3>FRUIT SALAD <span class="primary-text">
$14.00</span> </h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food11.jpeg" alt="CHICKEN</pre>
SHAWARMA">
               <div>
                 <h3>CHICKEN SHAWARMA <span
class="primary-text">$20.00</span></h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
             <div class="menu-item">
               <img src="./images/food12.jpeg" alt="MEGA</pre>
CHEESE PIZZA">
               <div>
                 <h3>MEGA CHEESE PIZZA <span
class="primary-text"> $30.00</span> </h3>
                 Lorem ipsum dolor sit amet consectetur
adipisicing elit. At, explicabo.
               </div>
             </div>
```

</div><!-- menu-items-right -->

5. In style.css stylize left and right sides of Menu

```
#menu .menu-items .menu-item {
    display: flex;
    justify-content: center;
    align-items: center;
    margin: 40px;
}
#menu .menu-items .menu-item img {
    width: 80px;
```







```
margin-right: 20px;
  border-radius: 50%;
#menu .menu-items .menu-item h3 {
  color: #383848;
  border-bottom: 1px dashed #c2bdbd;
  padding-bottom: 10px;
  position: relative;
#menu .menu-items .menu-item span {
  position: absolute;
  right: 0px;
  top: 0;
#menu .menu-items .menu-item p {
  margin-top: 10px;
#menu .btn {
  display: block;
  margin: auto;
  border: none;
  margin-top: 30px;
```

6. In style.css stylize Menu Button

```
.btn-secondary,
.btn-third:hover {
   background: #383848;
}
.btn-primary:hover,
.btn-secondary:hover,
.btn-third {
   background: #e4b95b;
}
```

/* Menu Section End */









Step 6: Daytime Section



1. In index.html build daytime for meals structure

```
<!-- Daytime section start-->
<section id="daytime">
<div class="container">
<div class="daytime-items">
```

```
<div class="daytime-item">
  <img src="./images/breckfastIcon.png" alt="Breakfast">
  <h3>Breakfast</h3>
  p>8:00 am to 10:00 amp>8:00
</div><!-- daytime-item -->
<div class="daytime-item">
  <img src="./images/lunchIcon.png" alt="Lunch">
  <h3>Lunch</h3>
  <p>4:00 pm to 7:00 pm
</div><!-- daytime-item -->
<div class="daytime-item">
  <img src="./images/dinnerIcon.png" alt="Dinner">
  <h3>Dinner</h3>
   9:00 \text{ pm to } 1:00 \text{ Am} 
</div><!-- daytime-item -->
<div class="daytime-item">
  <img src="./images/dessertIcon.png" alt="dessert">
  <h3>Dessert</h3>
```







```
All day
</div> <!-- daytime-item -->
</div> <!-- daytime-items -->
</div> <!-- container -->
</section>
<!-- Daytime section end-->
```

2. In style.css stylize daytime for meals section

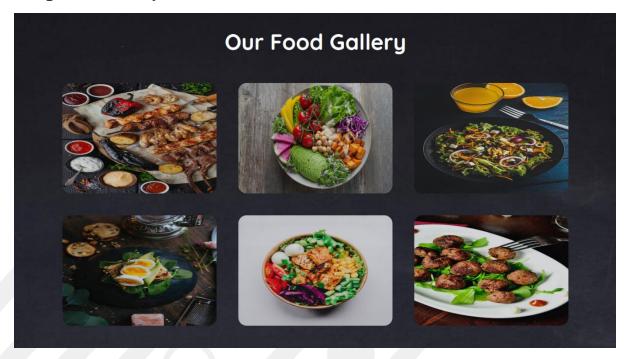
```
/* Daytime section Start */
#daytime {
  background: url("./images/daytime_bg.jpeg") center center/cover
fixed no-repeat;
  color: #fff;
  text-align: center;
#daytime .daytime-items {
  display: flex;
  justify-content: space-evenly;
  align-items: center;
  height: 40vh;
#daytime .daytime-items h3 {
  font-size: 32px;
  margin: 20px 0 10px;
#daytime .daytime-items p {
  font-weight: 500;
/* Daytime section End */
```







Step 7: Gallery Section



1. In index.html build gallery structure

<!-- Gallery Section Start -->

<!-- Gallary Section End -->







/* Gallery section start */

```
#gallery {
  background: url("./images/offer-background.jpg") center center/cover;
  padding: 8rem 0 6rem;
#gallery h2 {
  font-size: 40px;
  color: #fff;
  text-align: center;
  margin-bottom: 30px;
#gallery .img-gallery {
  display: flex;
  justify-content: center;
  align-items: center;
  flex-wrap: wrap;
#gallery .img-gallery img {
  margin: 20px;
  width: 280px;
  height: 200px;
  border-radius: 15px;
  opacity: 0.8;
#gallery .img-gallery img:hover {
  opacity: 1;
```

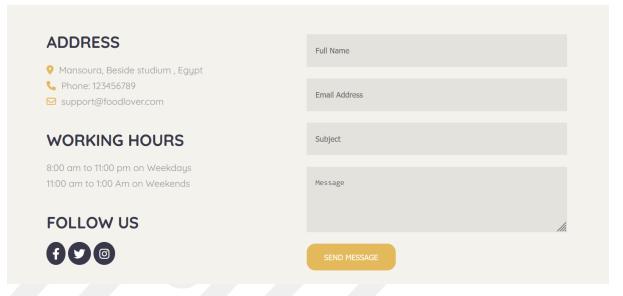
/* Gallery section end */

Step 8: Contact Section









1. In index.html build contact section main structure

<!-- Contact Section Start -->

2. In style.css stylize contact section main structure

/* Contact Section start */

```
#contact {
    background: #f4f2ed;
    padding: 5rem 0;
}
#contact .container {
    max-width: 900px;
}
```







```
#contact .contact-content {
    display: flex;
    justify-content: space-evenly;
    align-items: center;
}
#contact .contact-info {
    width: 50%;
}
form {
    width: 50%;
}
```

3. In index.html Add contact info details

<div class="contact-info">

```
<div>
            <h3>ADDRESS</h3>
            <i class="fa-solid fa-location-dot"></i> Mansoura,
Beside studium, Egypt 
            <i class="fa-solid fa-phone"></i> Phone:
123456789
            <i class="fa-regular fa-envelope"></i>
support@foodlover.com
          </div>
          < div >
            <h3>WORKING HOURS</h3>
            8:00 am to 11:00 pm on Weekdays
            11:00 am to 1:00 Am on Weekends
          </div>
          < div >
            <h3>FOLLOW US</h3>
            <a href="#"><i class="fa-brands fa-facebook-f"></i></a>
            <a href="#"><i class="fa-brands fa-twitter"></i></a>
            <a href="#"><i class="fa-brands fa-instagram"></i></a>
          </div>
```

</div><!-- contact-info -->

4. In style.css stylize contact info details

#contact.contact-info div {







```
margin: 30px 0;
  line-height: 1.7;
#contact .contact-info h3 {
  font-size: 28px;
  color: #383848;
  margin-bottom: 10px;
#contact .contact-info p {
  color: #9a9a9a;
#contact .contact-info p i {
  color: #e4b95b;
  margin-right: 5px;
#contact .contact-info a i {
  color: #fff;
  background: #383848;
  padding: 10px;
  font-size: 20px;
  border-radius: 50%;
#contact .contact-info a i:hover {
  background-color: #e4b95b;
  color: #383848;
```

5. In index.html Add form content







6. In Style.css stylize form content

```
form input,

textarea {
    display: block;
    width: 100%;
    padding: 20px 15px;
    margin: 20px 0;
    border: none;
    background-color: #e3e2dd;
}
form input:focus,
textarea:focus {
    outline: none;
}
form button {
    color: #fff;
} /* Contact Section End */
```

Step 9: Footer Section

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1. In index.html Build footer structure

</main>







2. In style.css stylize footer section

/* Footer Start */

```
#footer {
   background-color: #383848;
   text-align: center;
   color: #fff;
   padding: 15px 0;
   font-size: 14px;
}
```

/* Footer End */

Step 10: Make website responsive

/* Medium Screen + Tablet */

```
@media (max-width: 1000px) {
    #navbar img {
        margin-left: 20px;
    }
    nav ul {
        margin-right: 20px;
    }
    nav ul li a {
        padding: 10px;
    }
    header .content h1 {
        font-size: 28px;
    }
    #about {
        height: auto;
        padding: 4rem 2rem;
    }
}
```







```
#about .about-content p {
    margin-right: 2rem;
}
#about img {
    width: 250px;
}
#offers .offers-items img {
    width: 150px;
}
#offers .offers-items h3 {
    font-size: 18px;
}
#menu .menu-items {
    display: block;
}
#contact .contact-content {
    flex-direction: column;
}
}
```

/* Mobile Devices */

```
@media (max-width: 600px) {
    #navbar {
        flex-direction: column;
    }
    #navbar img {
        margin-bottom: 20px;
    }
    header .content h1 {
        font-size: 18px;
    }
    header .content p {
        font-size: 14px;
    }
    #about .about-content {
        flex-direction: column;
    }
    #about .about-content a {
```







```
margin: 2rem 0;
#about img {
  display: none;
#offers {
  height: auto;
  padding: 30px 10px;
#offers .offers-items {
  flex-direction: column;
#menu .menu-items .menu-item {
  margin: 20px 10px;
#daytime .daytime-items {
  display: block;
  height: auto;
  padding: 30px 0;
#daytime .daytime-items .daytime-item {
  margin-top: 20px;
#contact.contact-info,
form {
  width: 80%;
```

Step11: Host your website on GitHub

Upload website on GitHub as you learned in workshop 5.