Front End Engineering-II

Project Report

Semester-IV (Batch-2022)

Zomato Clone

(Project Group No. 08)

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Abstract

The Zomato clone project is an ambitious endeavor aimed at recreating the comprehensive functionalities and user experience of the renowned food delivery and restaurant discovery platform, Zomato. This web-based application endeavors to cater to the evolving needs of both users and restaurant owners by offering a multifaceted platform for discovering, exploring, and ordering from a plethora of restaurants. At its core, the project encompasses a robust user authentication system ensuring secure access, coupled with an intuitive and dynamic interface facilitating seamless navigation through an extensive array of restaurant listings. Leveraging advanced search algorithms and filtering mechanisms, users can effortlessly refine their search based on location, cuisine preferences, price range, and user ratings, thereby enhancing the overall user experience.

For restaurant owners, the Zomato clone provides a comprehensive suite of tools for managing their digital presence, including streamlined menu management functionalities, allowing them to upload, update, and showcase their offerings with ease. Moreover, restaurant owners gain access to insightful analytics and reporting features, enabling them to glean valuable insights into customer preferences and behavior, ultimately empowering them to make data-driven decisions to optimize their business strategies.

By embarking on this Zomato clone project, the overarching goal is to not only replicate the success of the original platform but also innovate and iterate upon its core functionalities to deliver an enhanced and tailored user experience. Through a combination of cutting-edge technology, intuitive design, and a focus on user-centric features, the Zomato clone aspires to emerge as a formidable contender in the competitive landscape of food delivery and restaurant discovery platforms, catering to the diverse needs and preferences of users and restaurant owners alike.

1. Introduction

1.1 Introduction

The Zomato clone project is an ambitious web development endeavor aimed at replicating the core functionalities and user experience of the renowned food delivery and restaurant discovery platform, Zomato. This project seeks to provide users with a seamless platform for exploring a wide variety of restaurants, browsing menus, placing orders, and making secure online payments. By leveraging advanced search algorithms and intuitive filtering mechanisms, users can effortlessly discover restaurants based on location, cuisine preferences, and user ratings.

Restaurant owners are empowered with comprehensive menu management tools, allowing them to showcase their offerings and engage with a broader audience. The platform prioritizes user engagement through features such as real-time order tracking, seamless payment integration, and a dynamic rating and review system. With an administrative dashboard for efficient platform management, the project aims to deliver an enhanced and tailored user experience while catering to the evolving needs of both users and restaurant owners in the competitive landscape of food delivery platforms.

By building a Zomato clone, the project aims to provide users with a convenient and efficient platform for discovering and ordering food from a diverse range of restaurants, while also offering restaurant owners a platform to showcase their offerings and expand their customer base.

1.2 Objectives

The objectives of the Zomato clone project are as follows:

1. Replication of Core Functionality: Develop a web application that closely replicates the essential features and functionalities of the Zomato platform, including restaurant listings, menu browsing, order placement, and payment processing.
2. User Experience Enhancement: Prioritize user experience by designing an intuitive and user-friendly interface that simplifies restaurant discovery, menu exploration, and order placement, thereby enhancing user satisfaction and engagement.
3. Innovation and Differentiation: Explore opportunities for innovation and differentiation within the Zomato clone platform, such as introducing unique features, personalized recommendations, or partnerships with local businesses, to distinguish the platform in the competitive food delivery market.
4. Community Engagement: Develop server-side logic for managing user reviews and ratings, enabling users to submit feedback and ratings which are stored and displayed on the platform, fostering community engagement and trust.
5. Seamless Integration: Integrate with secure payment processing services like Stripe or PayPal on the server-side to facilitate secure online transactions, ensuring data privacy and transaction security.
6. Restaurant Owner Empowerment**:** Implement robust backend systems for restaurant management using technologies like Django ORM or Active Record (Ruby on Rails), enabling restaurant owners to efficiently manage their menus, promotions, and analytics.

2. Minimum H/w and S/w Requirements

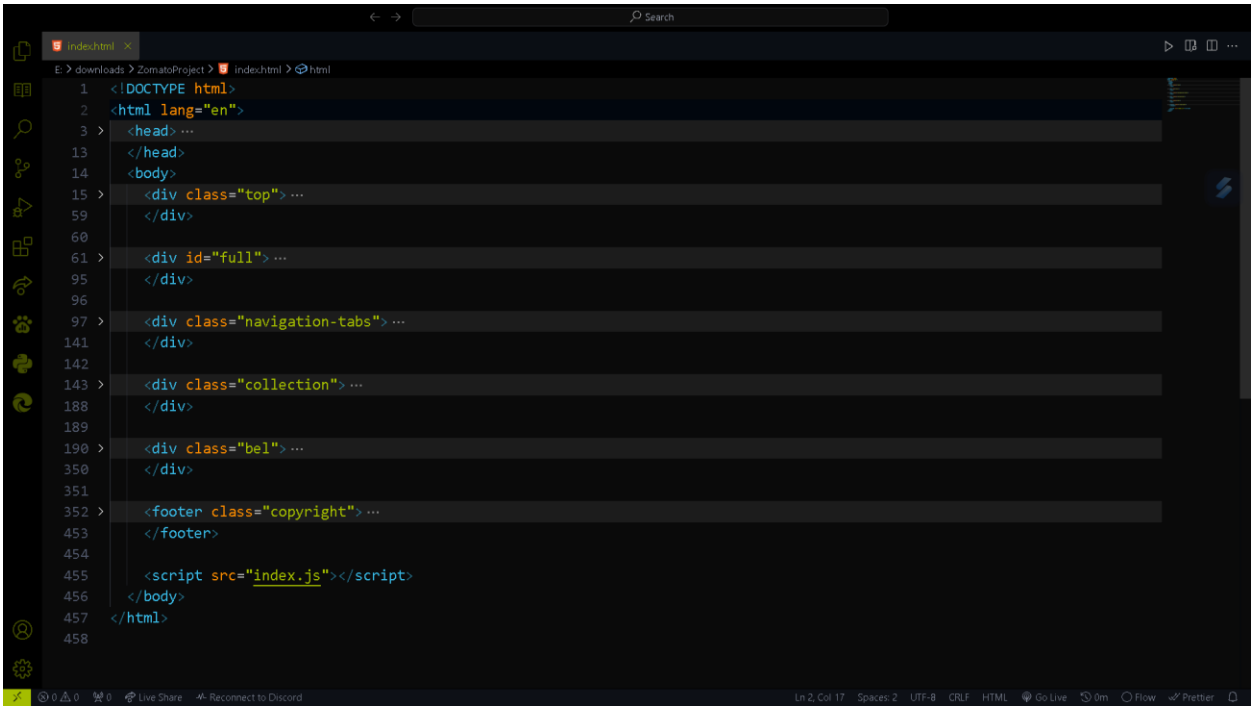
2.1 Hardware requirements

1. Server**:** A dedicated server or cloud hosting service capable of running the chosen web server and database management system. The specific hardware requirements depend on the expected traffic and load on the application.
2. Development Machine**:** A computer or laptop with sufficient processing power and memory to comfortably run the development environment, including the text editor/IDE, web browser, and other necessary software tools.
3. Internet Connection**:** A stable internet connection for accessing online resources, collaborating with team members, and deploying the application to the server.

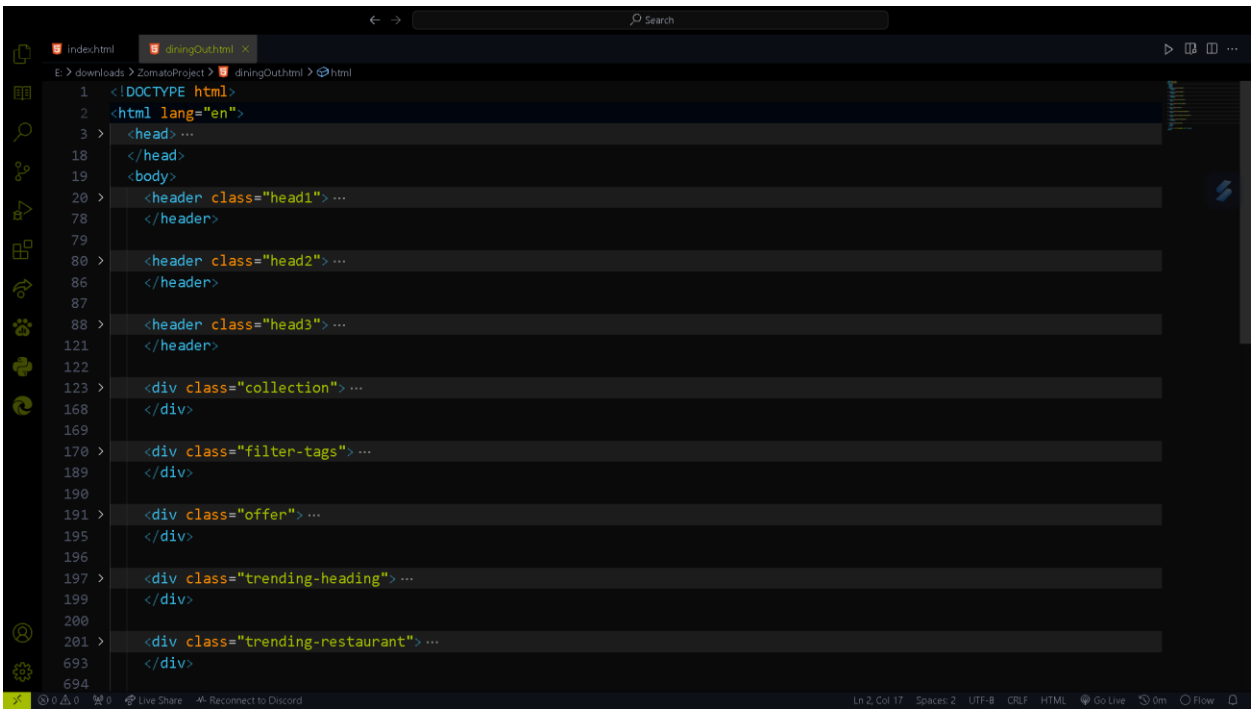
2.2 Software requirements

1. Web Browser**:** Google Chrome, Mozilla Firefox, or any other modern web browser for testing and debugging.
2. Frontend Development**:** HTML, CSS (Cascading Style Sheets), and possibly a frontend framework like Bootstrap for responsive design.
3. Version Control**:** Git for version control and collaboration among team members.
4. Text Editor or Integrated Development Environment (IDE)**:** Sublime Text, Visual Studio Code, or any other preferred text editor/IDE for writing code.

3. Code Snippet



```
<!DOCTYPE html>
<html lang="en">
  <head> ···
  </head>
  <body>
    <div class="top"> ···
    </div>

    <div id="full"> ···
    </div>

    <div class="navigation-tabs"> ···
    </div>

    <div class="collection"> ···
    </div>

    <div class="bel"> ···
    </div>

    <footer class="copyright"> ···
    </footer>

    <script src="index.js"></script>
  </body>
</html>
```



```
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<html lang="en">
  <head> ···
  </head>
  <body>
    <header class="head1"> ···
    </header>

    <header class="head2"> ···
    </header>

    <header class="head3"> ···
    </header>

    <div class="collection"> ···
    </div>

    <div class="filter-tags"> ···
    </div>

    <div class="offer"> ···
    </div>

    <div class="trending-heading"> ···
    </div>

    <div class="trending-restaurant"> ···
    </div>
```
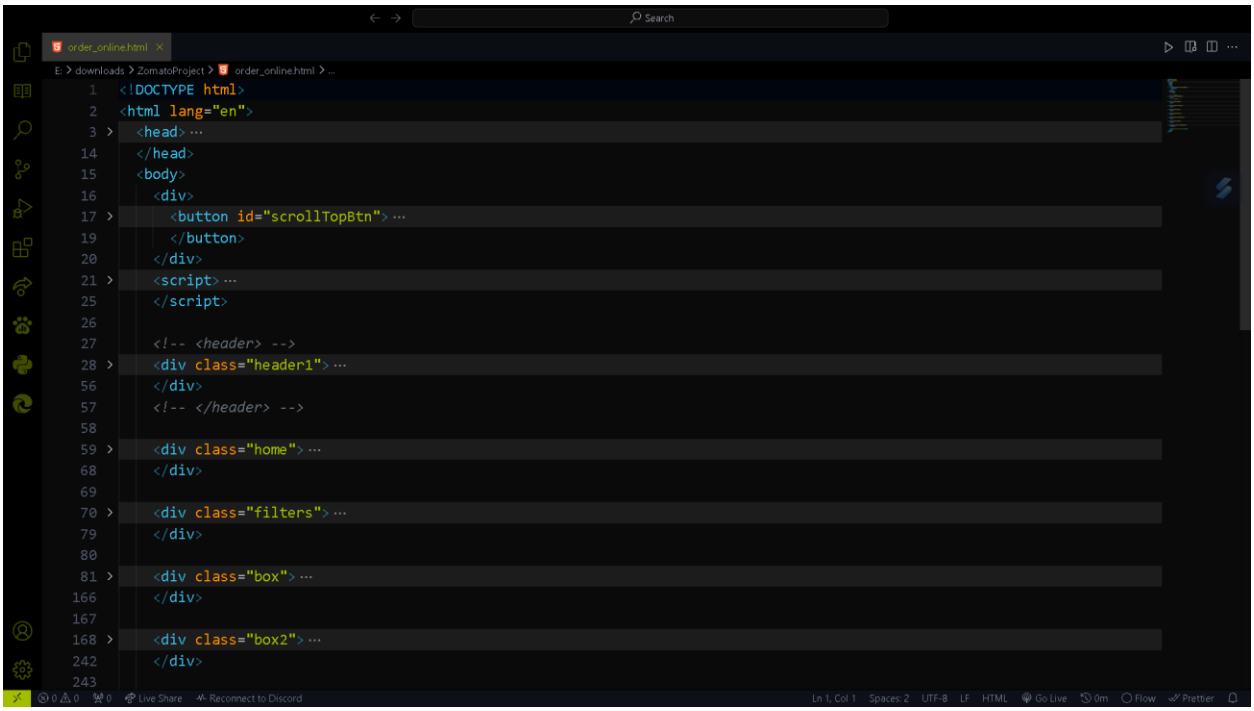


order_online.html
E: > downloads > ZomatoProject > order_online.html > ...
<!DOCTYPE html>
<html lang="en">
<head> ···
</head>
<body>

<button id="scrollTopBtn"> ···
</button>

<script> ···
</script>
<!-- <header> -->
 ···

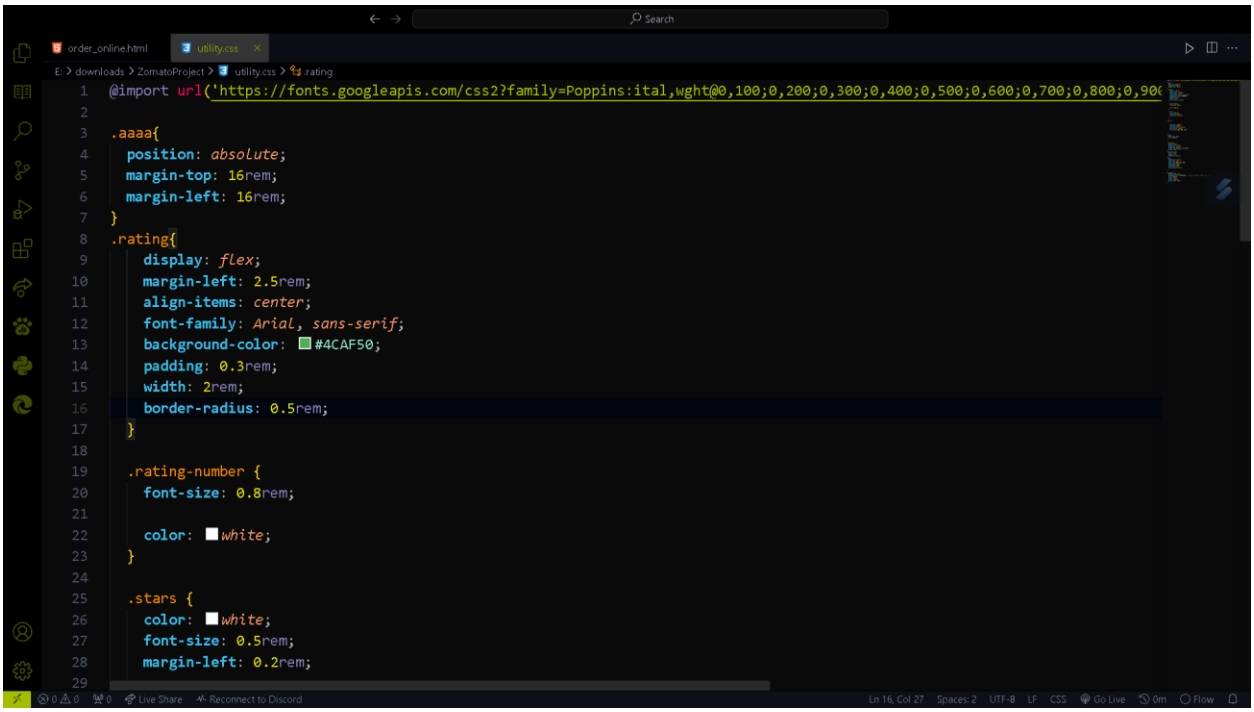
<!-- </header> -->
 ···

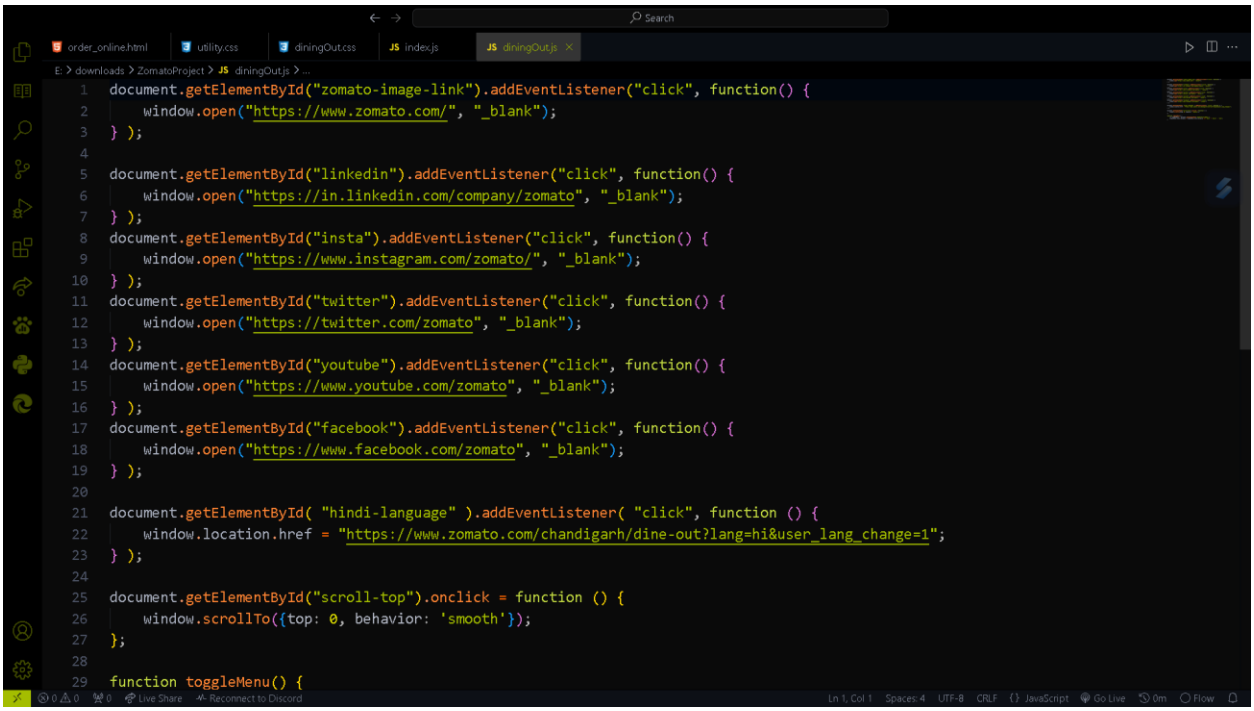
 ···

 ···

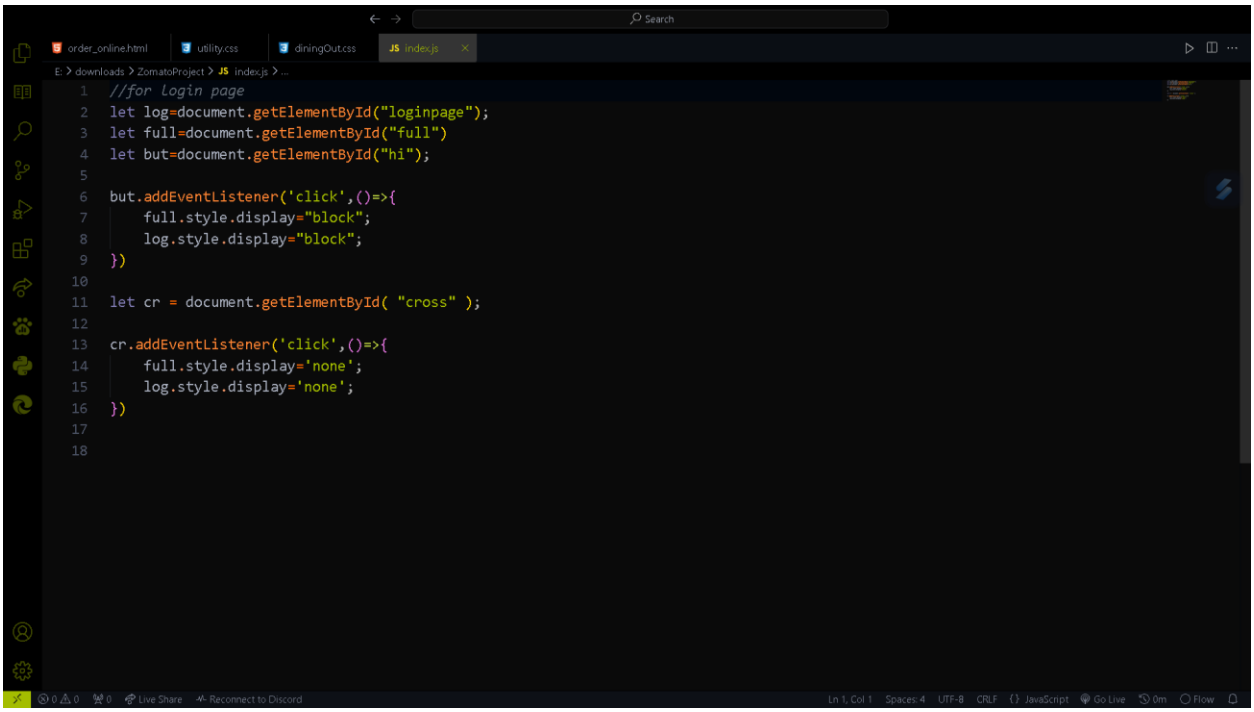
 ···

Live Share
Reconnect to Discord
Ln 1, Col 1
Spaces: 2
UTF-8
LF
HTML
Go Live
Flow
Prettier


order_online.html
utility.css
E: > downloads > ZomatoProject > utility.css > .rating
@import url('https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,100;0,200;0,300;0,400;0,500;0,600;0,700;0,800;0,900
.aaaa{
position: absolute;
margin-top: 16rem;
margin-left: 16rem;
}
.rating{
display: flex;
margin-left: 2.5rem;
align-items: center;
font-family: Arial, sans-serif;
background-color: #4CAF50;
padding: 0.3rem;
width: 2rem;
border-radius: 0.5rem;
}
.rating-number {
font-size: 0.8rem;
color: white;
}
.stars {
color: white;
font-size: 0.5rem;
margin-left: 0.2rem;
Live Share
Reconnect to Discord
Ln 16, Col 27
Spaces: 2
UTF-8
LF
CSS
Go Live
Flow

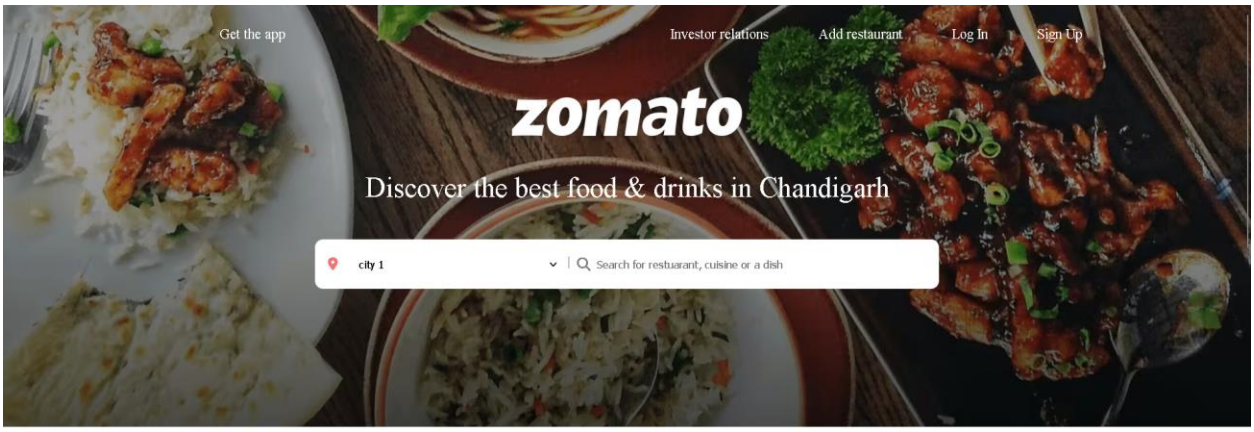


```
document.getElementById("zomato-image-link").addEventListener("click", function() {
    window.open("https://www.zomato.com/", "_blank");
} );

document.getElementById("linkedin").addEventListener("click", function() {
    window.open("https://in.linkedin.com/company/zomato", "_blank");
} );
document.getElementById("insta").addEventListener("click", function() {
    window.open("https://www.instagram.com/zomato/", "_blank");
} );
document.getElementById("twitter").addEventListener("click", function() {
    window.open("https://twitter.com/zomato", "_blank");
} );
document.getElementById("youtube").addEventListener("click", function() {
    window.open("https://www.youtube.com/zomato", "_blank");
} );
document.getElementById("facebook").addEventListener("click", function() {
    window.open("https://www.facebook.com/zomato", "_blank");
} );

document.getElementById( "hindi-language" ).addEventListener( "click", function () {
    window.location.href = "https://www.zomato.com/chandigarh/dine-out?lang=hi&user_lang_change=1";
} );

document.getElementById("scroll-top").onclick = function () {
    window.scrollTo({top: 0, behavior: 'smooth'});
};

function toggleMenu() {
```

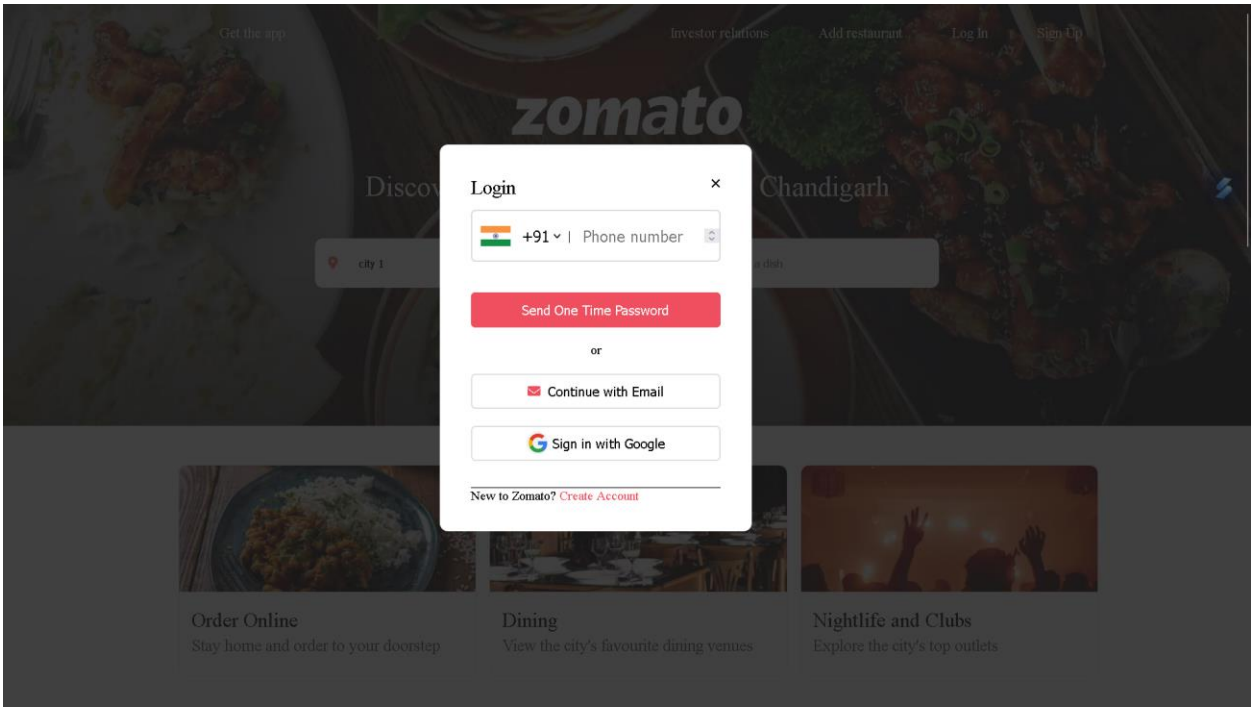


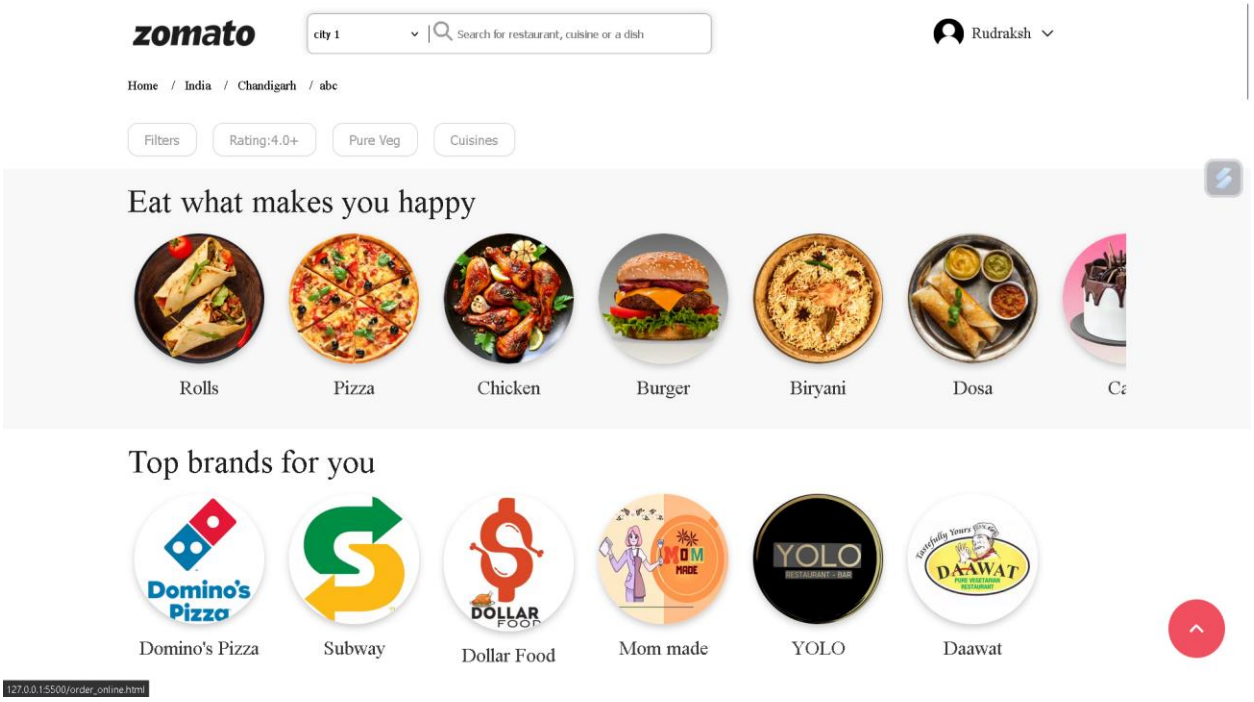
```
//for login page
let log=document.getElementById("loginpage");
let full=document.getElementById("full")
let but=document.getElementById("hi");

but.addEventListener('click',()=>{
    full.style.display="block";
    log.style.display="block";
})

let cr = document.getElementById( "cross" );

cr.addEventListener('click',()=>{
    full.style.display='none';
    log.style.display='none';
})
```

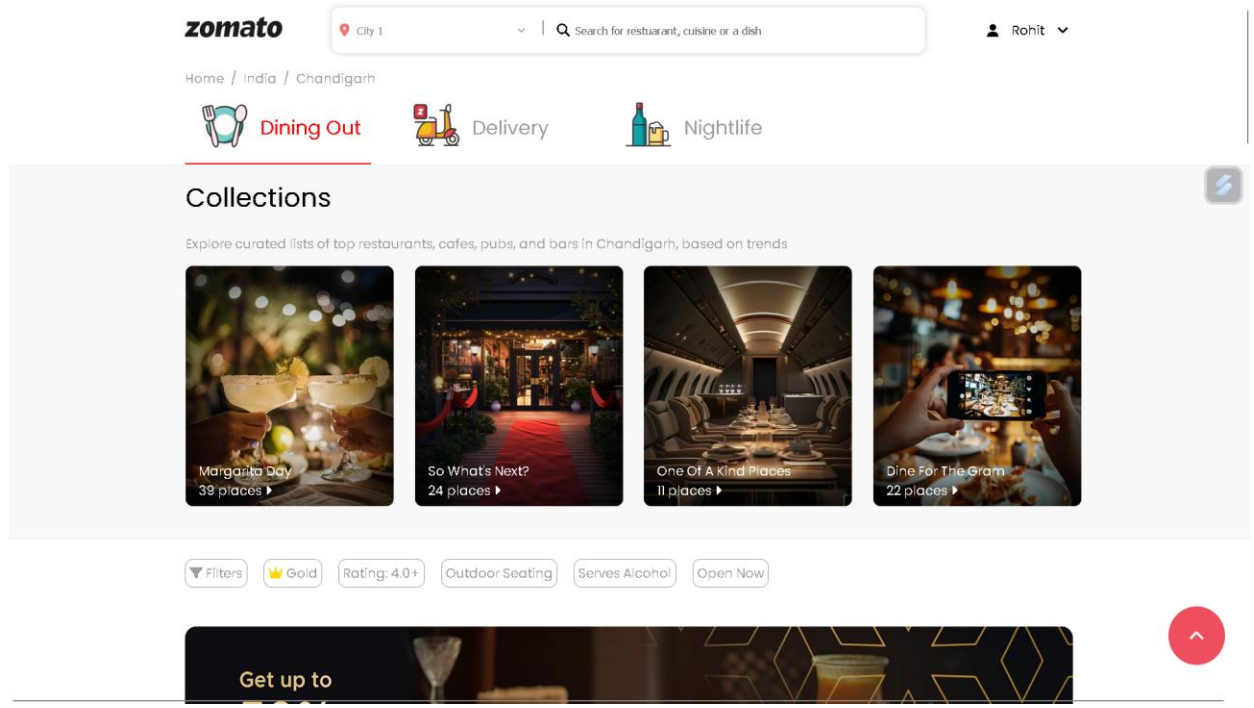
4.Results


Get the app
Investor relations
Add restaurant
Log In
Sign Up
zomato
Discover the best food & drinks in Chandigarh
city 1
Search for restuarant, cuisine or a dish


Order Online
Stay home and order to your doorstep
Dining
View the city's favourite dining venues
Nightlife and Clubs
Explore the city's top outlets


Login
+91
Phone number
Send One Time Password
or
Continue with Email
Sign in with Google
New to Zomato? Create Account
Order Online
Stay home and order to your doorstep
Dining
View the city's favourite dining venues
Nightlife and Clubs
Explore the city's top outlets





5. References

- https://www.zomato.com/
- https://www.w3schools.com/html/
- https://developer.mozilla.org/en-US/docs/Web/HTML