



Harcourt Butler Technical University, Kanpur

Summer Training Report

On

“Sapphire Foods: A food delivery web application”

Sapphire Application Integrators Pvt. Ltd.

4831/24 Ansari Road, Darya Ganj, New Delhi  
India - 110002

Submitted By:	<b>Mohit Jaisal - 190104041</b>
Submitted To:	Dr Prabhat Verma Sir
Course:	B.Tech, Computer Science and Engineering
Semester:	7 <sup>th</sup> Semester
Project Mentor:	Miss Aarohi Gupta

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## Sapphire Application Integrators Pvt. Ltd.

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Apr 30<sup>th</sup> 2022  
Noida

To whomsoever it may concern

This letter is to certify that Mohit Jaisal, B.Tech. (CS) 3rd Year HBTU Kanpur, has successfully completed his internship program of twelve weeks with Sapphire Application Integrators Pvt. Ltd. His internship tenure was from Feb 1<sup>st</sup> 2022 to Apr 30<sup>th</sup> 2022. He was working on a Full-stack development project, titled – Online Grocery Shop, using ReactJS and NodeJS libraries.

During the span, we found him inquisitive, energetic and focussed.

We wish him a bright future.

For Sapphire Application Integrators OPC Pvt. Ltd.,



Mamta Swaroop  
Director  
DIN: 07821671

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## **ACKNOWLEDGEMENT**

I want to express my gratitude to Sapphire Application Integration Pvt. Ltd for hosting the training session on their premises and providing all necessary facilities for the program's completion. I'm also grateful to them for putting a lot of effort into organizing mentorship throughout my training, which helped me learn more.

I would like to express my heartfelt gratitude to my project mentor **Miss Aarohi Gupta** for providing me with all the essential assistance and for guiding me during the preparation of the summer training report and for their assistance in paving the way for me as a young person was outstanding.

I express my deepest thanks to **Mrs Mamta Swaroop, Director** for giving necessary advice and guidance and arranging all the facilities to make everything convenient.

I am grateful to them for sharing their significant expertise with me, without which this training report would have been nearly difficult to complete.

Finally, I want to convey my appreciation to everyone who has assisted and encouraged me in various ways as I worked on this training report.

Sincerely,  
Mohit Jaisal

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## **About the Company**

Sapphire Application Integrators Pvt. Ltd. partners with global organizations across different focused verticals, including Financial Services, Life Sciences & Healthcare, Telecom, Retail & Logistics, and Entertainment.

It delivers services and solutions by leveraging its deep domain capabilities, and experience in Digital Technologies, Product Engineering, and Infrastructure Services.

Sapphire Application Integrator is one of the fastest-growing software products and services companies that delivers a differentiated customer experience, accelerates cycle times, and helps customers achieve business outcomes through the adoption of new-age digital technologies and integrating them with their existing systems.

Through our customer-centric and collaborative approach, we have been able to build global delivery models which ensure predictable outcomes, reduction in cost and time while maintaining the highest software engineering quality and standards.



## About the Project

I joined the team as a summer intern and started working in the online food delivery department.



The project was named as "**Sapphire Foods**". It is an online food delivery application made with React JS



# Project Timeline



## Technologies Used

# CSS



# HTML



### HTML

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

### CSS

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS saves a lot of work. It can control the layout of multiple web pages all at once
- External stylesheets are stored in CSS files.





## **Javascript**

JavaScript (often shortened to JS) is a lightweight, interpreted, object-oriented language with first-class functions, and is best known as the scripting language for Web pages, but it's used in many non-browser environments as well. It is a prototype-based, multi-paradigm scripting language that is dynamic, and supports object-oriented, imperative, and functional programming styles.

JavaScript runs on the client side of the web, which can be used to design / program how the web pages behave on the occurrence of an event. JavaScript is an easy to learn and also powerful scripting language, widely used for controlling web page behavior.

Contrary to popular misconception, JavaScript is *not* "Interpreted Java". In a nutshell, JavaScript is a dynamic scripting language supporting prototype based object construction. The basic syntax is intentionally similar to both Java and C++ to reduce the number of new concepts required to learn the language. Language constructs, such as if statements, for and while loops, and switch and try ... catch blocks function the same as in these languages (or nearly so).



## **React JS**

React is a JavaScript-based UI development library. Facebook and an open-source developer community run it. Although React is a library rather than a language, it is widely used in web development. The library first appeared in May 2013 and is now one of the most commonly used frontend libraries for web development.

React offers various extensions for entire application architectural support, such as Flux and React Native, beyond mere UI.

When compared to other technologies on the market, React is a new technology. Jordan Walke, a software engineer at Facebook, founded the library in 2011, giving it life. The likes of XHP, a straightforward HTML component framework for PHP, have an influence on React. React's newsfeed was its debut application in 2011. Later, Instagram picks it up and incorporates it into their platform.



Easy to use React Bootstrap 4 components

## **React Strap**

Reactstrap is a bootstrap-based React UI library that is used to make good-looking webpages with its seamless and easy-to-use component. Reactstrap does not embed its own style, but it depends upon the Bootstrap CSS framework for its styles and theme.

Prerequisites:

- Good knowledge of react.
- Good knowledge of Bootstrap.

Install Reactstrap: You can install it with npm or yarn by the following the command:

```
npm i reactstrap bootstrap --save
```

// or

```
yarn add reactstrap
```

Reactstrap currently requires, React 16.8 or higher. Reactstrap is currently compatible with Bootstrap 5.1. If you are using Bootstrap 4, you'll need to use Reactstrap v8.



## **NodeJS**

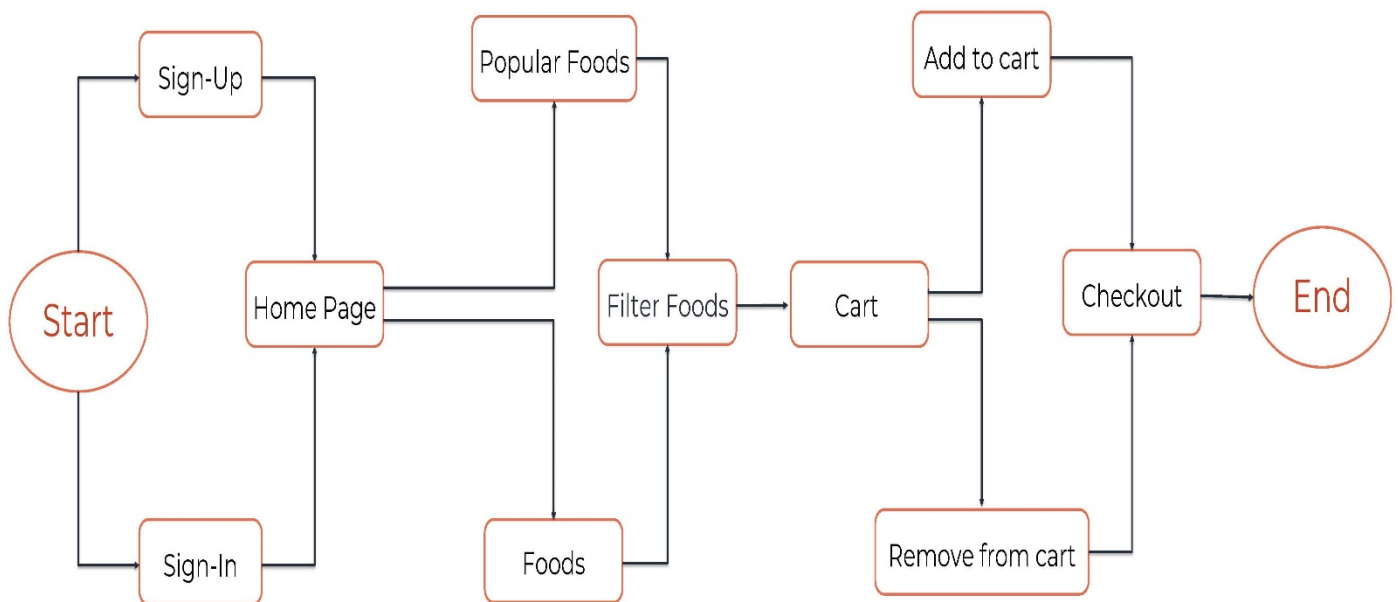
Node.js is a server-side platform built on Google Chrome's JavaScript Engine (V8 Engine). Node.js was developed by Ryan Dahl in 2009 and its latest version is v0.10.36.

Node.js is an open source, cross-platform runtime environment for developing server-side and networking applications. Node.js applications are written in JavaScript, and can be run within the Node.js runtime on OS X, Microsoft Windows, and Linux.


Node.js also provides a rich library of various JavaScript modules which simplifies the development of web applications using Node.js to a great extent.

**Asynchronous and Event Driven** – All APIs of Node.js library are asynchronous, that is, non-blocking. It essentially means a Node.js based server never waits for an API to return data. The server moves to the next API after calling it and a notification mechanism of Events of Node.js helps the server to get a response from the previous API call.



## Flow Chart




# USER SIGN-UP

**Sapphire Foods**

[Home](#) [Foods](#) [Cart](#) [Contact](#)



## Signup

Full name


Email

Password



Sign Up

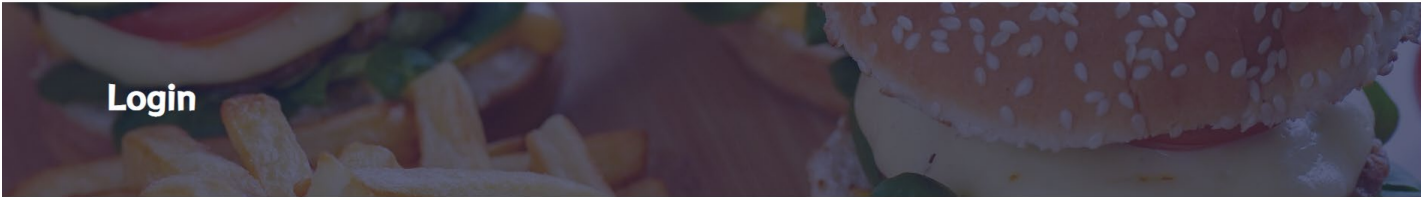
Already have an account? [Login](#)

# USER SIGN-IN

**Sapphire Foods**

[Home](#) [Foods](#) [Cart](#) [Contact](#)




## Login

Login

[Don't have an account? Create an account](#)

# SEPARATE FOODS PAGE




Sapphire Foods

Home


Foods

Cart

Contact



0




I'm looking for....

Q

Default


▼



Chicken Burger

\$24


Add to Cart



Vegetarian Pizza

\$115


Add to Cart



Double Cheese Margherita

\$110


Add to Cart





Maxican Green Wave


\$110

Add to Cart











# FILTER FOODS

burger



Default



Chicken Burger

\$24

Add to Cart



Cheese Burger

\$24

Add to Cart



Royal Cheese Burger

\$24

Add to Cart



Classic Hamburger

\$24

Add to Cart

Prev

1

Next

Pizza



Default



Vegetarian Pizza

\$115

Add to Cart



Seafood Pizza

\$115

Add to Cart



Thin Cheese Pizza

\$110

Add to Cart



Pizza With Mushroom

\$110

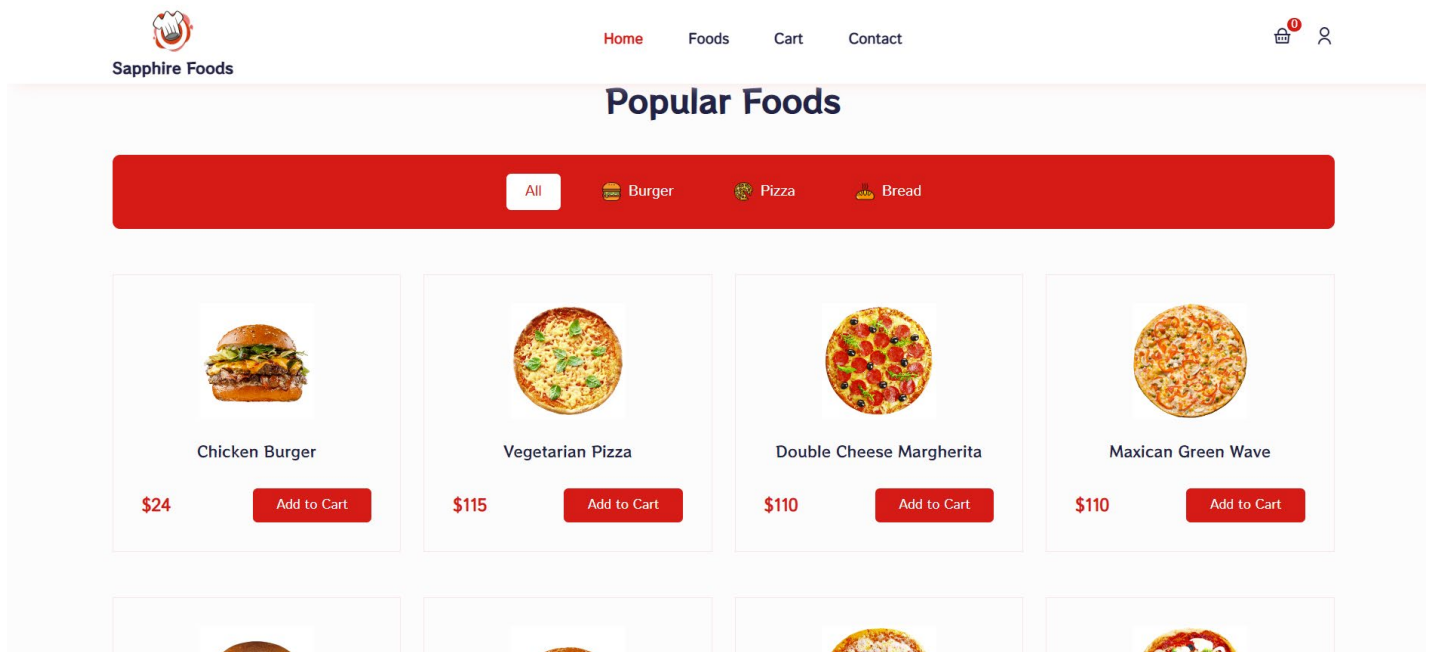
Add to Cart

Prev

1

Next

# FILTER DESIGN FOR POPULAR FOODS



## Popular Foods

All

 Burger

 Pizza

 Bread



Chicken Burger

\$24

Add to Cart



Cheese Burger

\$24

Add to Cart



Royal Cheese Burger

\$24

Add to Cart



Classic Hamburger

\$24

Add to Cart

## Popular Foods

All  Burger  Pizza  Bread



Vegetarian Pizza

\$115

Add to Cart



Double Cheese Margherita

\$110

Add to Cart



Maxican Green Wave

\$110

Add to Cart



Seafood Pizza

\$115

Add to Cart



## Popular Foods

All

 Burger

 Pizza

 Bread



Crunchy Bread

\$35

Add to Cart



Delicious Bread

\$35

Add to Cart



Loaf Bread

\$35

Add to Cart

# FEATURED TESTIMONIALS



Sapphire Foods

[Home](#)

[Foods](#)

[Cart](#)

[Contact](#)



## Testimonial

### What our **customers** are saying

"Life is not about the right opportunities, but it's about handling the opportunities right"  
So, if you have a dream, what's holding it back? Go live your dream and support someone else's dream as well.

A tech based on latest microservice solutions for managing multi-channel ordering. Our brand-wise polygon helps customise reach and scalability of brands independently without any constraint. Our patented machinery and automation allow uniformity and increased efficiency through all.



Aashiya Khan



# CART PAGE



Sapphire Foods









[Home](#)

[Foods](#)

**[Cart](#)**

[Contact](#)



Image	Product Title	Price	Quantity	Delete
	Vegetarian Pizza	\$115	1px	
	Seafood Pizza	\$115	1px	
	Crunchy Bread	\$35	1px	
	Chicken Burger	\$24	1px	

Subtotal: **\$289**

Taxes and shipping will calculate at checkout

[Continue Shopping](#)

[Proceed to checkout](#)



# FOODS CHECKOUT



Sapphire Foods

[Home](#) [Foods](#) [Cart](#) [Contact](#)



## Shipping Address

Enter your name

Enter your email

Phone number

Country

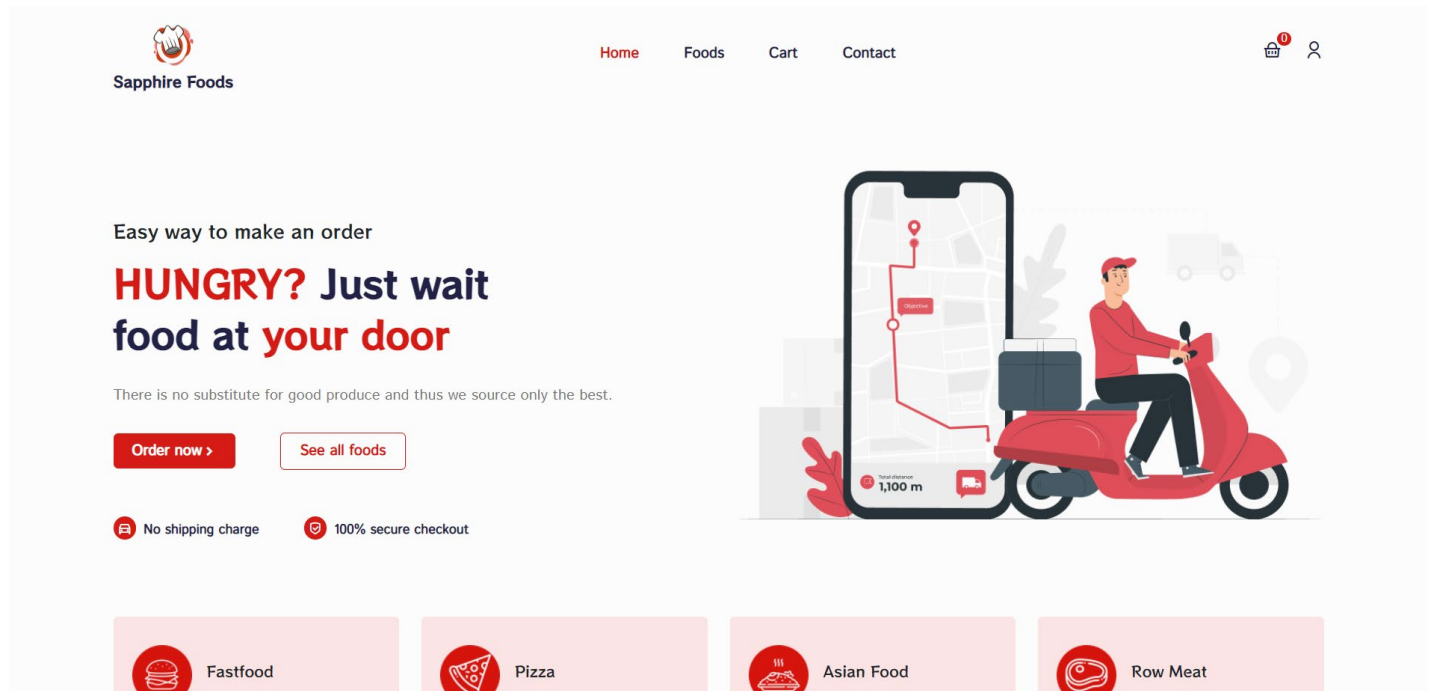
City

Postal code

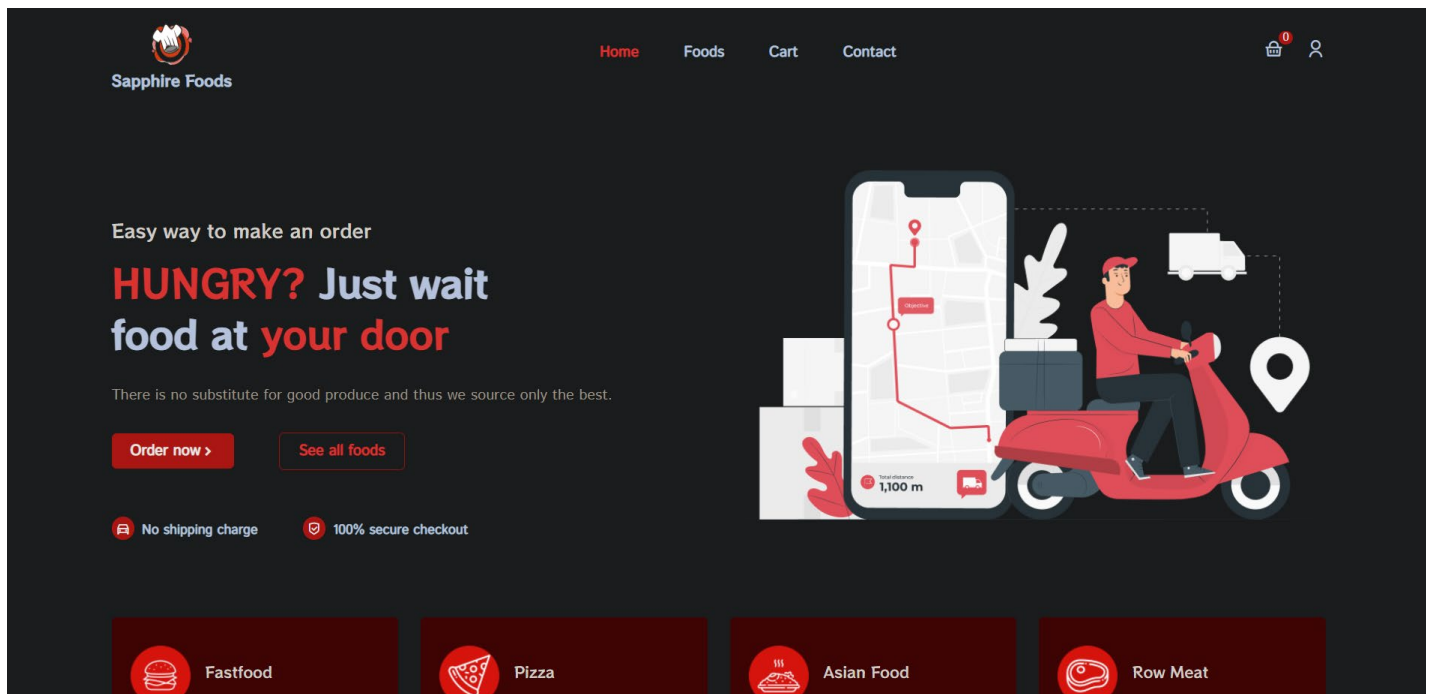
Payment

Subtotal:	\$302
Shipping:	\$30
Total:	\$332

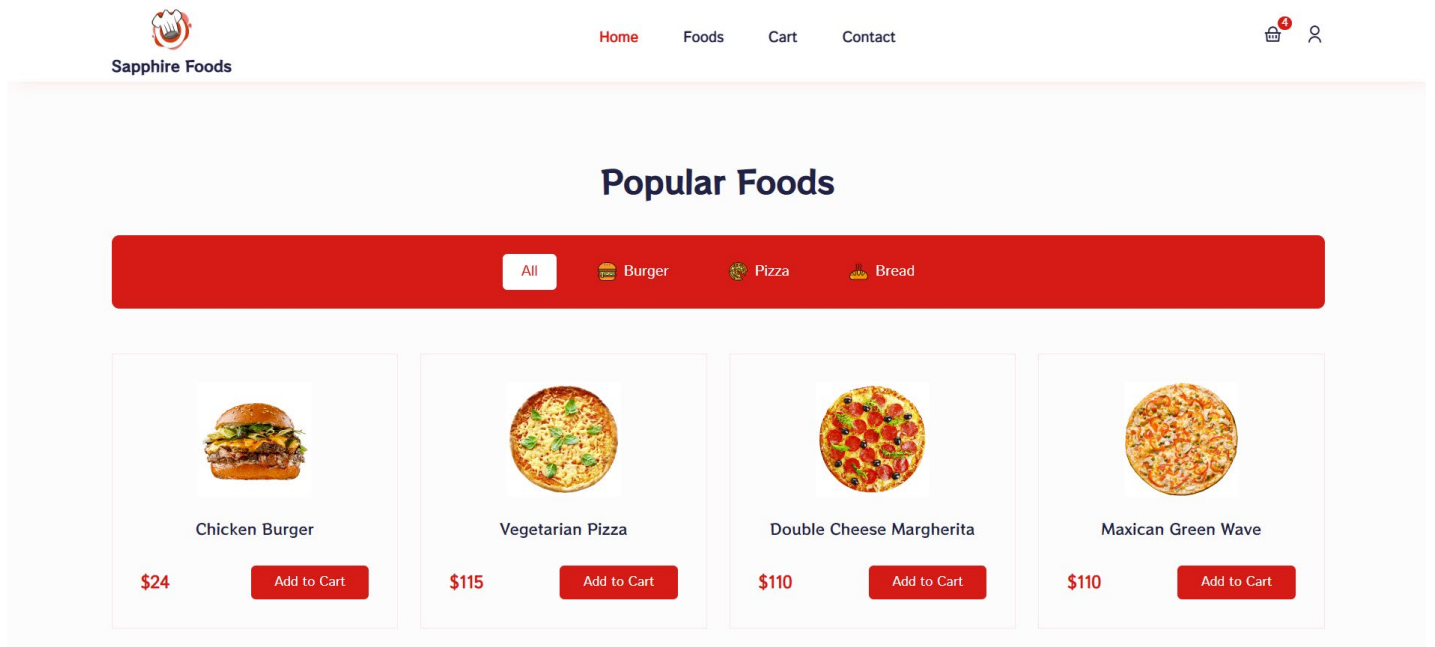
# LIGHT MODE



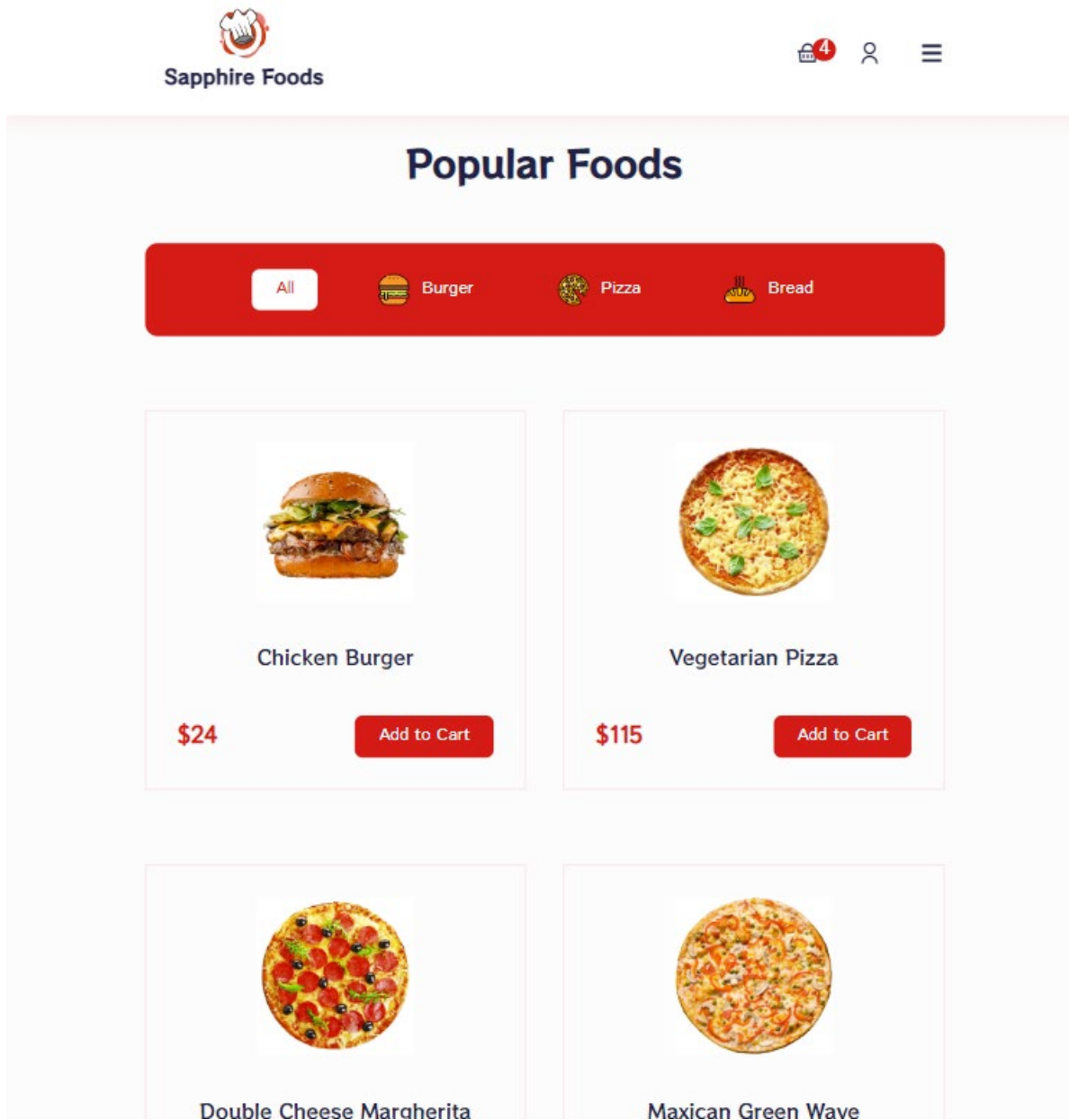
# DARK MODE



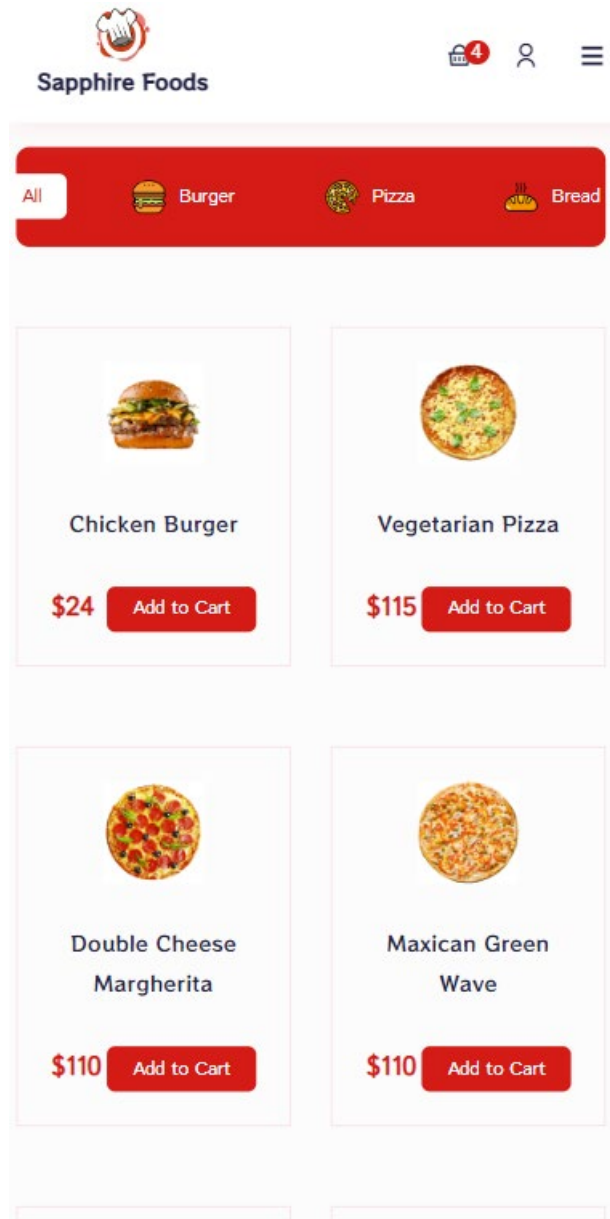
# RESPONSIVE FOR DEKSTOP/LAPTOP



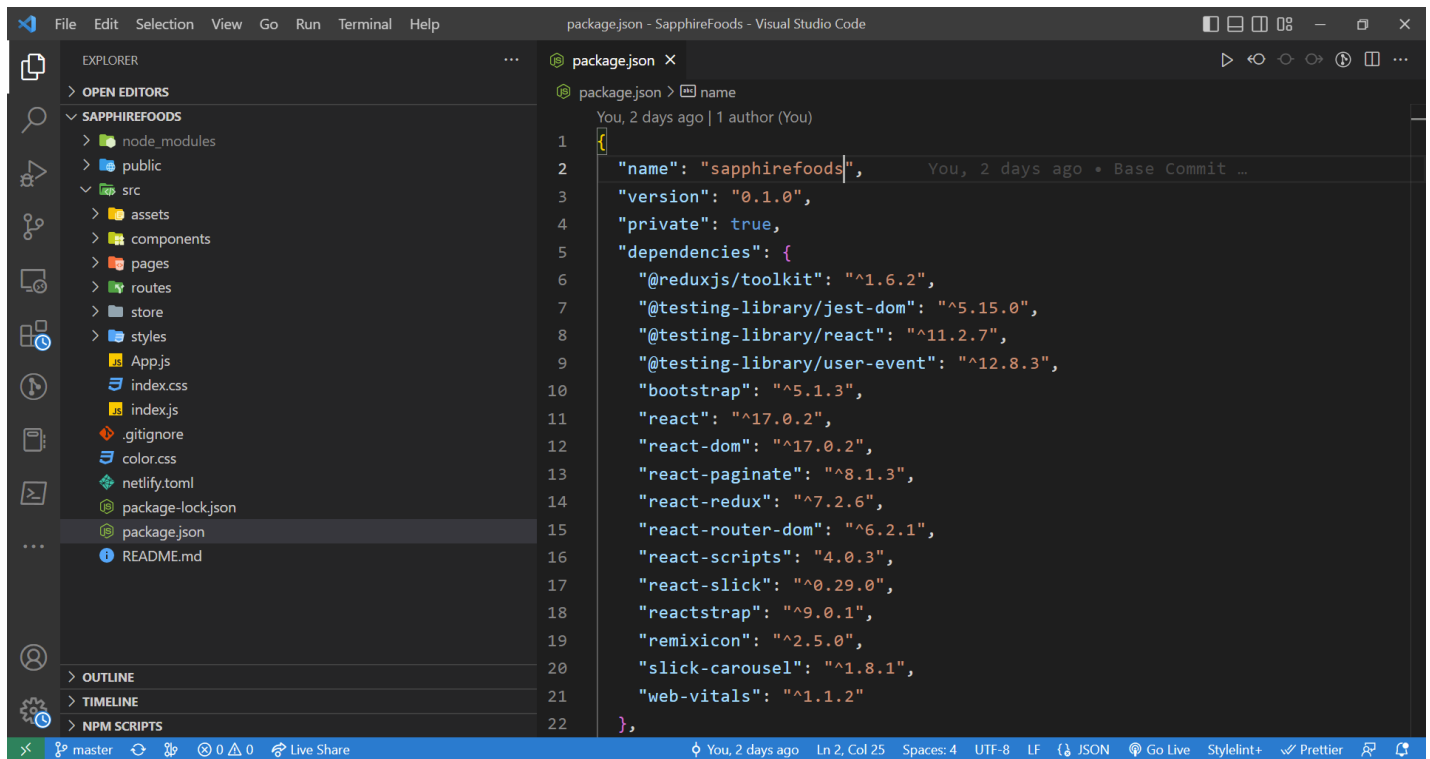
# RESPONSIVE FOR TABLETS



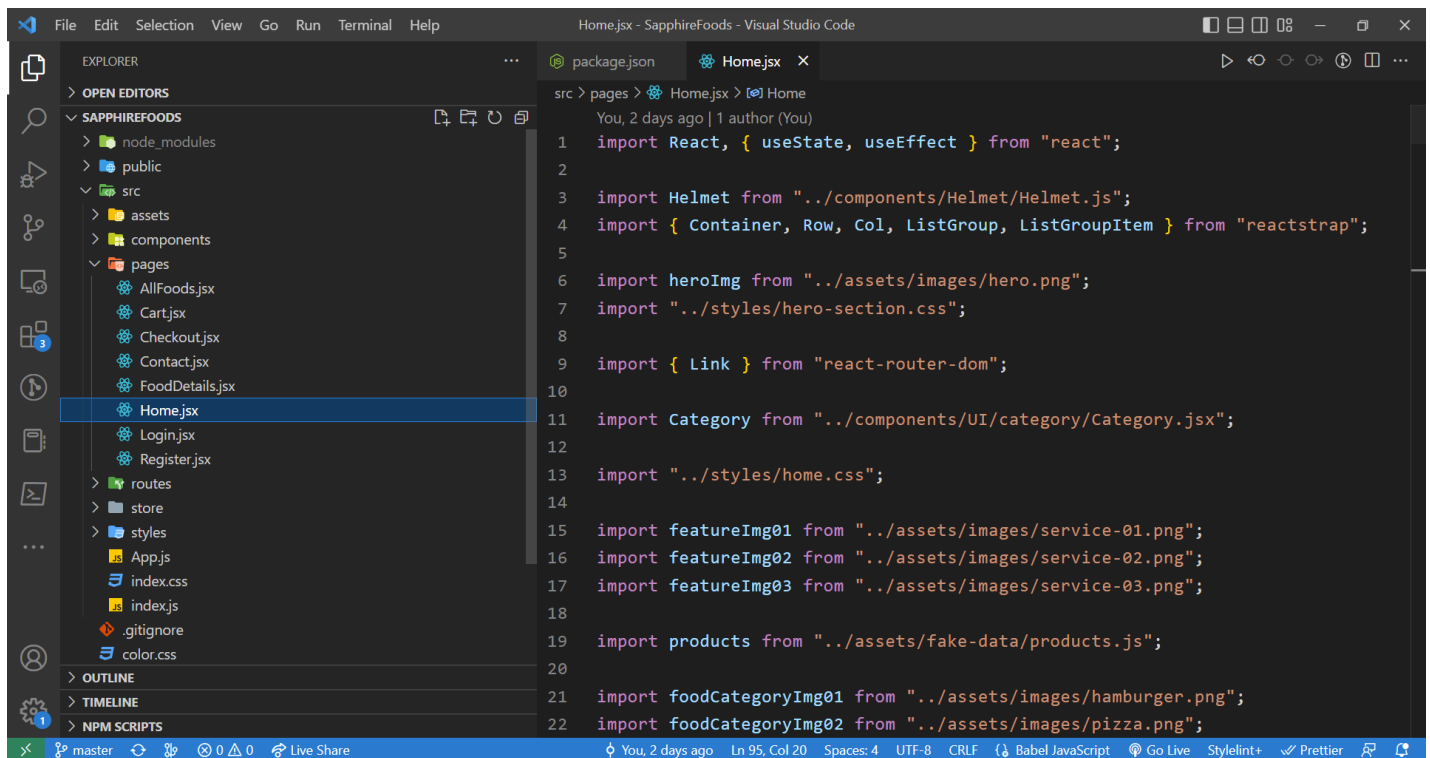
# RESPONSIVE FOR SMART PHONE



# FOLDER/FILE STRUCTURE

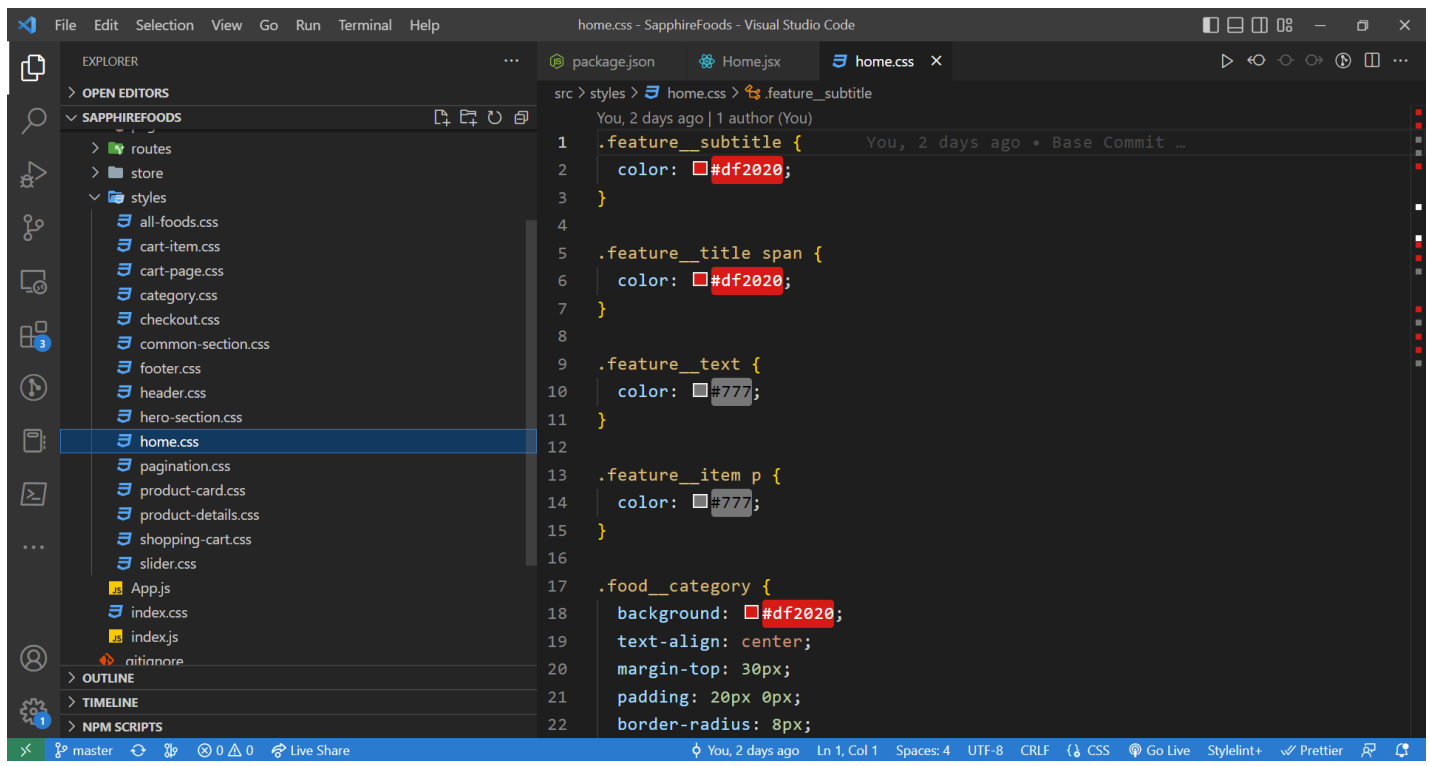


# PAGES JSX

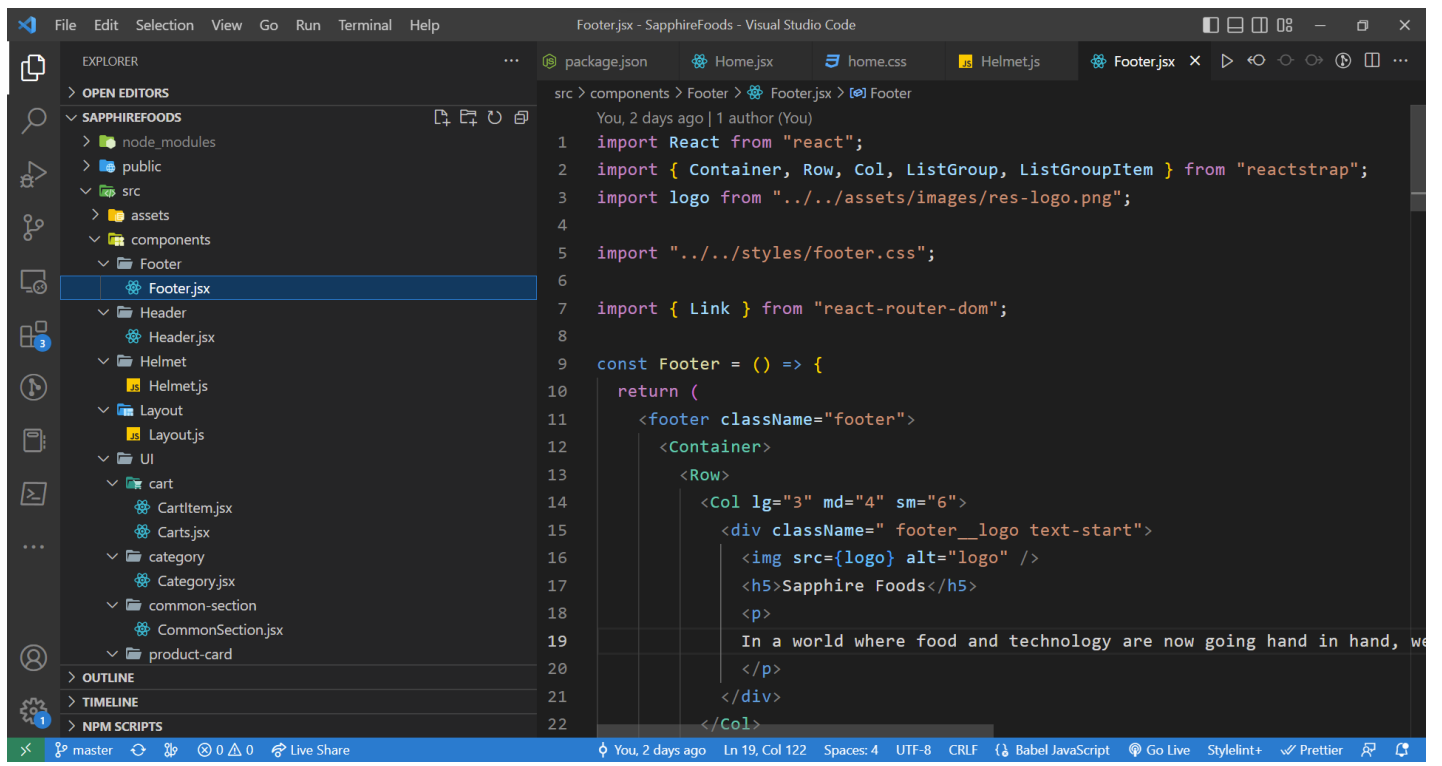




# STYLES & DESIGN



# REACT COMPONENTS



```
File Edit Selection View Go Run Terminal Help
Footer.jsx - SapphireFoods - Visual Studio Code

package.json Home.jsx home.css Helmetjs Footer.jsx x
src > components > Footer > Footer.jsx > Footer
You, 2 days ago | 1 author (You)
1 import React from "react";
2 import { Container, Row, Col, ListGroup, ListGroupItem } from "reactstrap";
3 import logo from "../../assets/images/res-logo.png";
4
5 import "../../styles/footer.css";
6
7 import { Link } from "react-router-dom";
8
9 const Footer = () => {
10   return (
11     <footer className="footer">
12       <Container>
13         <Row>
14           <Col lg="3" md="4" sm="6">
15             <div className=" footer__logo text-start">
16               <img src={logo} alt="logo" />
17               <h5>Sapphire Foods</h5>
18             <p>
19               In a world where food and technology are now going hand in hand, we
20             </p>
21             </div>
22           </Col>
```

## **Conclusion**

So, we can say that MERN Stack has bright future ahead. In order to get started with MERN Stack development, all we really need is a good understanding of JavaScript and ES6 Fundamentals, but also at least some familiarity with the basic concepts of React and Node.js.

There are many MERN Stack online training that will have you building your own dynamic web applications in no time. All you really have to do is pick the one that seems best to you and get started right away!

## **REFERENCES**

### **WEBSITES:-**

- ❖ <https://react-bootstrap.github.io/>
- ❖ <https://reactjs.org/>
- ❖ <https://nodejs.org/en/docs/>
- ❖ <https://docs.github.com/>
- ❖ <https://devcenter.heroku.com/articles/heroku-cli>
- ❖ <https://stackoverflow.com/>
- ❖ <https://developer.mozilla.org/en-US/docs/Web/JavaScript>

### **Video Links:-**

- ❖ <https://youtu.be/JxzZxdht-XY>
- ❖ <https://youtu.be/Ib2FlirtcmE>
- ❖ <https://youtu.be/5d8AQFF0Ot0>
- ❖ [https://youtu.be/Pwwz4\\_AvH DU](https://youtu.be/Pwwz4_AvH DU)
- ❖ <https://youtu.be/1k0fRG098Cu>