

MINI PROJECT

(2021-22)

“Shopist (An E-Commerce Website)”

Project Report



Institute of Engineering & Technology
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Declaration

I/we hereby declare that the work which is being presented in the Bachelor of technology. Project “**SHOPIST (E – COMMERCE WEBSITE)**”, in partial fulfilment of the requirements for the award of the *Bachelor of Technology* in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my/our own work carried under the supervision of **Mr. Bhanu Kapoor, Technical Trainer, Dept. of CEA, GLA University.**

The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

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Certificate

This is to certify that the project entitled “ SHOPIST ”, carried out in Mini Project – II, is a bonafide work by Shaurya Omar, Shivam Tiwari and Divyanshu Rai. This is submitted in partial fulfilment of the requirements for the award of the degree Bachelor of Technology (Computer Science & Engineering).

Signature of Supervisor:

Name of Supervisor: Mr. Bhanu Kapoor

Date: 27 May 2022



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ACKNOWLEDGEMENT

Presenting the ascribed project paper report in this very simple and official form, we would like to place my deep gratitude to GLA University for providing us the instructor Mr Bhanu Kapoor, our technical trainer and supervisor.

He has been helping us since Day 1 in this project. He provided us with the roadmap, the basic guidelines explaining on how to work on the project. He has been conducting regular meeting to check the progress of the project and providing us with the resources related to the project. Without his help, we wouldn't have been able to complete this project.

And at last, but not the least we would like to thank our dear parents for helping us to grab this opportunity to get trained and also my colleagues who helped me find resources during the training.

Thanking You

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ABSTRACT

In this project, we have created an E-Commerce website named Shopist. This website can be used for buying best in class products at the price of factory outlet. We have decided to introduce this website at the time of when Flipkart and Amazon are already booming, our website promises to get you your desired product to you directly by the hands of the maker, cutting the extra cost and bringing it down to extra cheap prices.

Not only we have tried to make this website for buyers, but in the future this will be introduced to the open world for the sellers as well where they can list there items and can either sell them at a fixed or negotiable prize or start a bid on it. This website can bring a huge impact in the lives of shoppers who cannot afford high brand stuff and want to experience online shopping at the ease of their homes.

CONTENTS

Cover Page

Declaration

Certificate

Training Certificate

Acknowledgement

Abstract

Content

Introduction

- 1.1 Context
- 1.2 Motivation
- 1.3 Objective
- 1.4 Sources

Software Requirement Analysis

- 2.1 Hardware Requirement
- 2.2 Software Requirements

Chapter 4 Technology Used

- 4.1 Angular
- 4.2 Bootstrap

4.3 Tools and Languages

4.4 Basic Terminology

4.5 Implementation and User Interface

Conclusion

References

INTRODUCTION

1.1 CONTEXT

This Web - Application “Shopist” has been submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering at GLA University, Mathura supervised by Mr. Bhanu Kapoor. This project has been completed in less than three months and has been executed in modules, meetings have been organised to check the progress of the work and for instructions and guidelines.

1.2 MOTIVATION

The motivation to introduce this webpage in the era of Amazon and Flipkart is to provide people a pleasant experience of online shopping without any hassles and with the lowest price and best quality. This project can be further extended to a buy-sell platform for the open world as well.

1.3 OBJECTIVE

This webpage will allow people to buy the best of the marketplace products at our website. We have tried to keep our UI very basic and user friendly. Whoever wants to enter and buy stuff, can easily interact within the website and the features of AngularJS make the visit worth a shot.

We will expand our project in the future and allow the people to sell their products in this as well. Be it second hand or newly developed. This product is made with love for the benefit of the people.

1.4 EXISTING SYSTEM

Our web - app can run on two major operating systems- Windows and Android.

Further devices compatibility will be added with updates in the future.

1.5 SOURCES

The source of our project (including all the project work, documentations and presentations) will be available at the following link [Github Repository Link](#)

Software Requirement Analysis

2.1 HARDWARE REQUIREMENTS

- Processor: Independent
- Operating System: Platform Independent
- RAM : 4GB minimum
- Hardware Devices : N/A
- Hard disk : 32GB storage
- Display : N/A

2.2 SOFTWARE REQUIREMENTS

- Languages used- HTML5, CSS, JS.
- Technology Implemented: Angular, Bootstrap

CHAPTER-4 TECHNOLOGY USED

4.1 ANGULAR

Angular is an application design framework and development platform for creating efficient and sophisticated single-page apps.

Angular is a development platform, built on [TypeScript](#). As a platform, Angular includes:

- A component-based framework for building scalable web applications
- A collection of well-integrated libraries that cover a wide variety of features, including routing, forms management, client-server communication, and more
- A suite of developer tools to help us develop, build, test, and update our code

With Angular, we are taking advantage of a platform that can scale from single-developer projects to enterprise-level applications. Angular is designed to make updating as straightforward as possible, so take advantage of the latest developments with a minimum of effort. Best of all, the Angular ecosystem consists of a diverse group of over 1.7 million developers, library authors, and content creators.

Angular is used as the frontend of the MEAN stack, consisting of MongoDB database, Express.js web application server framework, Angular itself (or AngularJS), and Node.js server runtime environment.

4.3 BOOTSTRAP: -

Bootstrap was developed by Mark Otto and Jacob Thornton at Twitter. It was released as an open-source product in August 2011 on GitHub. It's designed to ease the web development process of responsive, mobile-first websites by providing a collection of syntax for template designs.

Following are the main advantage of Bootstrap:

- It is very easy to use. Anybody having basic knowledge of HTML and CSS can use Bootstrap.
- It facilitates users to develop a responsive website.
- It is compatible on most of browsers like Chrome, Firefox, Internet Explorer, Safari and Opera etc.

4.7 TOOLS AND LANGUAGES

Tools used to build the Android App are: -

Languages used in building a Web - Application are:

HTML5:

- HTML stands for Hyper Text Markup Language. It is used to design web pages using markup language.
- HTML is the combination of Hypertext and Markup language.
- Hypertext defines the link between the web pages.
- Markup language is used to define the text document within tag which defines the structure of web pages. HTML 5 is the fifth and current version of HTML.
- It has improved the markup available for documents and has introduced application programming interfaces (API) and Document Object Model (DOM).

CSS:

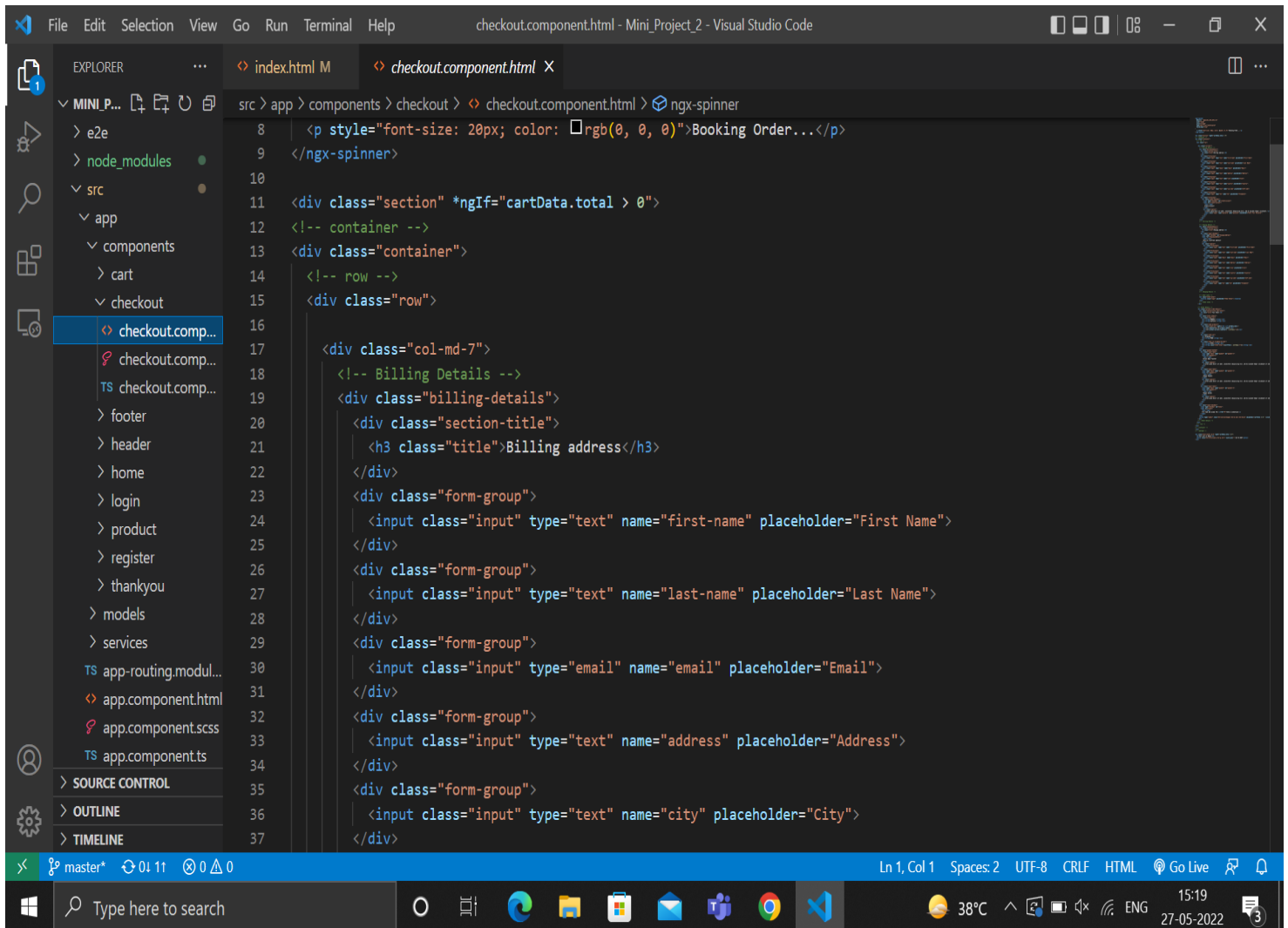
- CSS stands for Cascading Style Sheets
 - CSS describes how HTML elements are to be displayed on screen, paper, or in other media
 - CSS saves a lot of work. It can control the layout of multiple web pages all at once
 - External stylesheets are stored in CSS files
-
- CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.

TypeScript:

- TypeScript is a syntactic superset of JavaScript which adds **static typing**.
- This basically means that TypeScript adds syntax on top of JavaScript, allowing developers to add **types**.
- The TypeScript is a language as well as a set of tools.
- TypeScript is the ES6 version of JavaScript with some additional features

4.5 Implementation and User Interface:

Source code :-



```
8 <p style="font-size: 20px; color: rgb(0, 0, 0)">Booking Order...</p>
9 </ngx-spinner>
10
11 <div class="section" *ngIf="cartData.total > 0">
12 <!-- container -->
13 <div class="container">
14 <!-- row -->
15 <div class="row">
16
17 <div class="col-md-7">
18 <!-- Billing Details -->
19 <div class="billing-details">
20 <div class="section-title">
21 <h3 class="title">Billing address</h3>
22 </div>
23 <div class="form-group">
24 <input class="input" type="text" name="first-name" placeholder="First Name">
25 </div>
26 <div class="form-group">
27 <input class="input" type="text" name="last-name" placeholder="Last Name">
28 </div>
29 <div class="form-group">
30 <input class="input" type="email" name="email" placeholder="Email">
31 </div>
32 <div class="form-group">
33 <input class="input" type="text" name="address" placeholder="Address">
34 </div>
35 <div class="form-group">
36 <input class="input" type="text" name="city" placeholder="City">
37 </div>
```

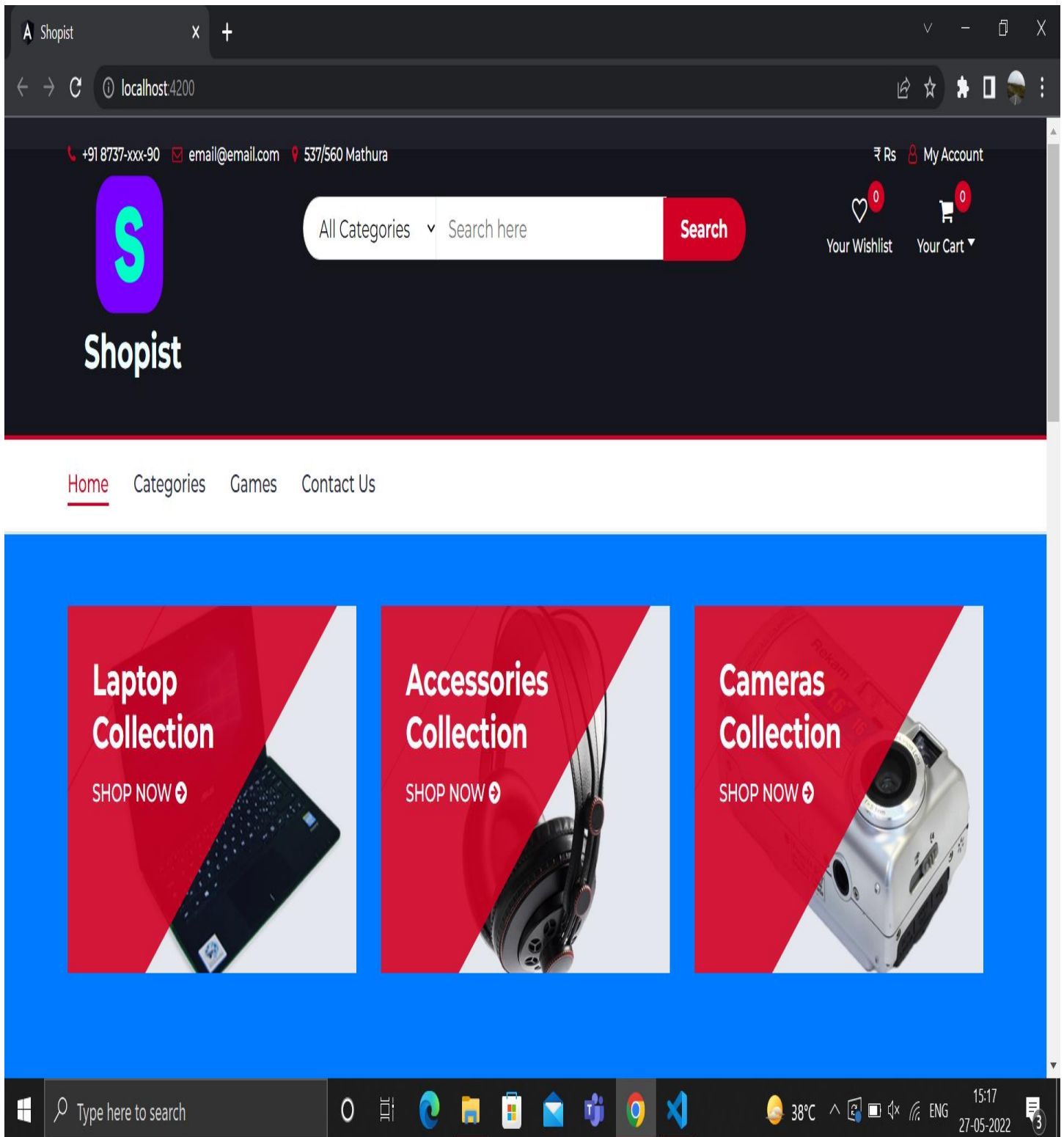
Visual Studio Code interface showing the file explorer, editor, and terminal. The file explorer on the left shows the project structure, including the 'header' component. The editor displays the 'header.component.html' file, which contains HTML code for the header component. The code includes a top header section with links for phone, email, and location, and a main header section with a container for a row containing a logo.

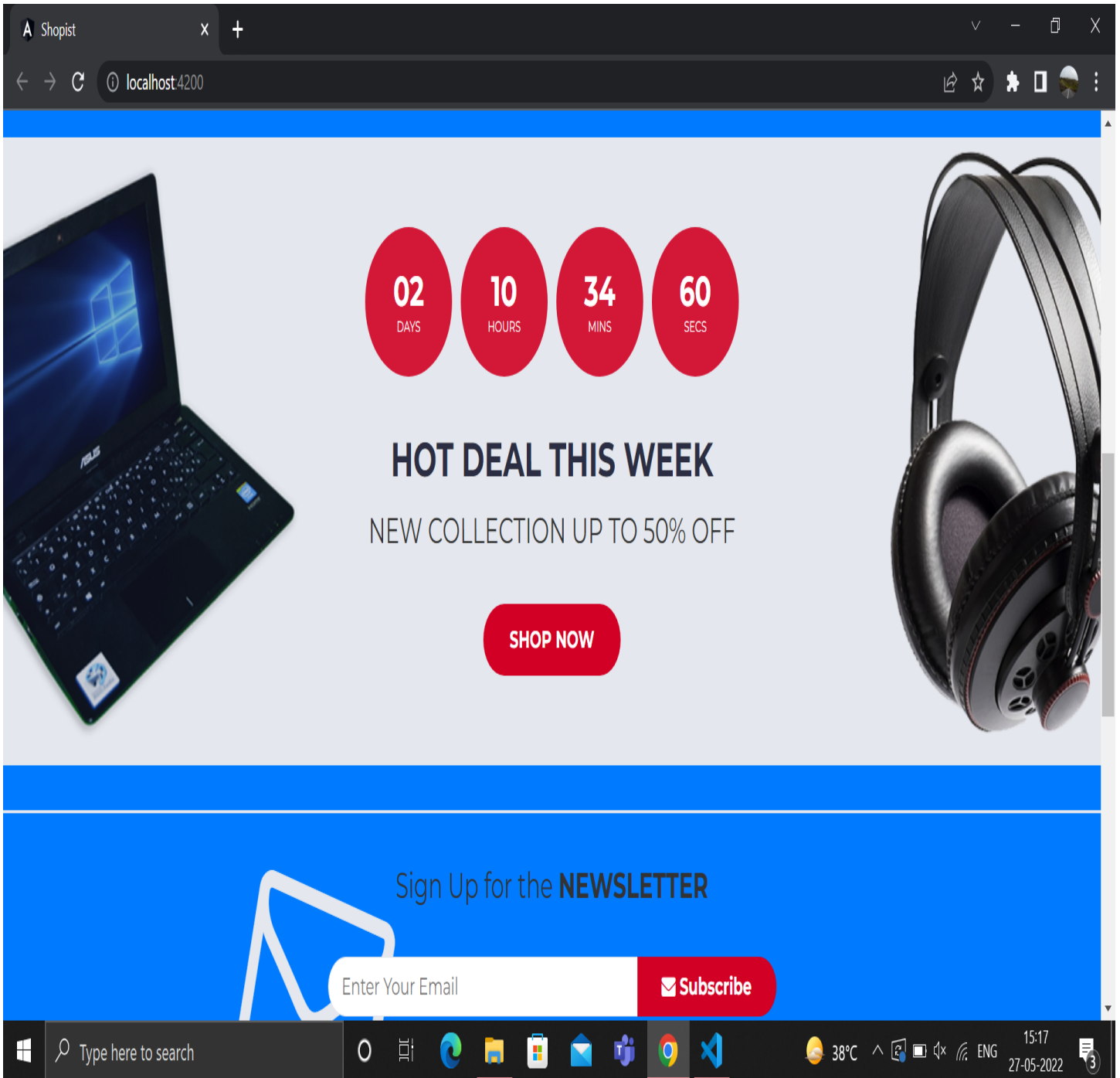
```
1 <!-- HEADER -->
2 <header>
3   <!-- TOP HEADER -->
4   <div id="top-header">
5     <div class="container">
6       <ul class="header-links pull-left">
7         <li><a href="#"><i class="fa fa-phone"></i> +91 8737-xxx-90</a></li>
8         <li><a href="#"><i class="fa fa-envelope-o"></i> email@email.com</a></li>
9         <li><a href="#"><i class="fa fa-map-marker"></i> 537/560 Mathura</a></li>
10      </ul>
11      <ul class="header-links pull-right">
12        <li><a href="#">&#x20B9; Rs</a></li>
13        <li><a href="#"><i class="fa fa-user-o"></i> My Account</a></li>
14      </ul>
15    </div>
16  </div>
17  <!-- /TOP HEADER -->
18
19  <!-- MAIN HEADER -->
20  <div id="header">
21    <!-- container -->
22    <div class="container">
23      <!-- row -->
24      <div class="row">
25        <!-- LOGO -->
26        <div class="col-md-3">
27          <div class="header-logo">
28            <a routerLink="/" class="logo">
29              
```

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF HTML Go Live

USER INTERFACE: -

1) UI







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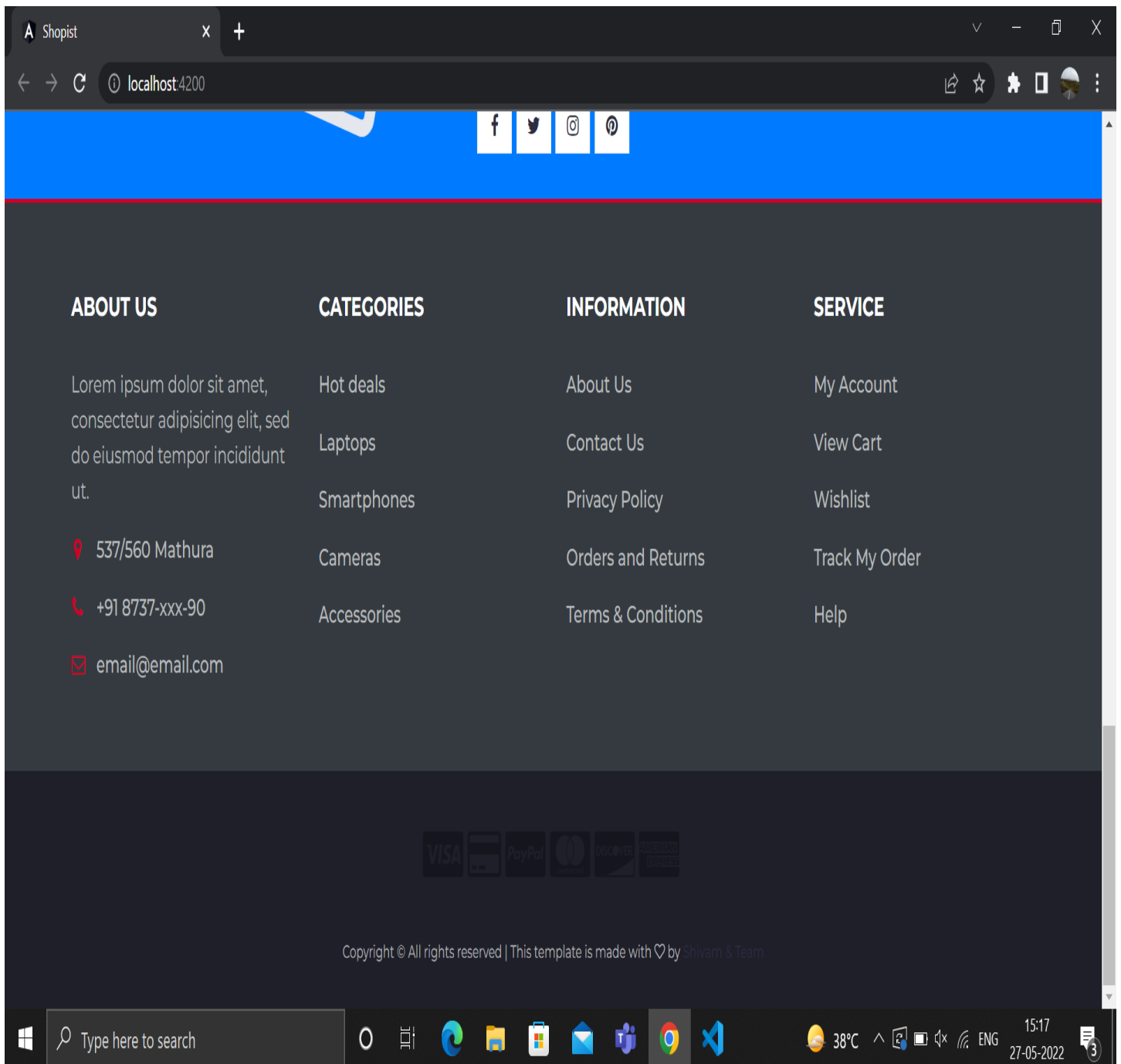
38°C



ENG

15:17
27-05-2022





CONCLUSION

Today, the market place is flooded with several e-commerce options for shoppers to choose from.

A variety of innovative products and services are being offered spoiling customers for choice.

Online shopping is no more a privilege enjoyed by your friends and family living in the US or UK.
Today, it is a reality in India.

In the last couple of years, the growth of e-commerce industry in India has been phenomenal as more shoppers have started discovering the benefits of using this platform.

There is enough scope for online business in the future if they understand the Indian shopper's psyche and cater to their needs.

REFERENCES

www.github.com

www.wikipedia.com

<https://angular.io/>

www.geeksforgeeks.com

www.w3schools.com