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PROJECT REPORT

ON

“VASTRA”

**Bachelor of Computer
Application**

(Batch: 2021-2025)

Submitted To:

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(Training & Development)

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GLA UNIVERSITY, MATHURA
(Affiliated to NAAC A+ Grade)

CERTIFICATE

This is to certify that we Kushagra Dixit, Om Chokse, Harsh Agarwal and Divyank Nigam of BTech(CSE) 5th Semester from GLA University, Mathura has presented this Mini project work entitled “VASTRA”, an app in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology under our supervision and guidance.

ACKNOWLEDGEMENT

It is our proud privilege to express our profound gratitude to the entire management of GLA University and the teachers of the institute for providing us with the opportunity to avail ourselves of the excellent facilities and infrastructure. The knowledge and values inculcated have proved to be of immense help at the very start of my career. Special thanks to the Hon’ble Founder, GLA University, Mathura for having provided us with an excellent infrastructure.

I am grateful to Mrs. Ruchi Gupta for their astute guidance, constant encouragement and sincere support for this project work.

Sincere thanks to all my family members, seniors and friends for their support and assistance throughout the project.

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CHAPTER – 1

INTRODUCTION

1.1. Identifying the Need

In the ever-evolving fashion landscape, the demand for a platform offering high-quality, stylish, and sustainable clothing is paramount. This need is substantiated through extensive research, user feedback, and real-world scenarios, highlighting the challenges fashion-conscious individuals face purchase sustainable fashion effortlessly.

our endeavors in transforming Vastra.com into a leading fashion e-commerce destination.

In the dynamic realm of online fashion, the imperative for a platform providing high-quality, stylish, and sustainable clothing is evident. This necessity is validated through thorough research, user feedback, and real-world scenarios, underscoring the challenges faced by individuals seeking to purchase sustainable fashion effortlessly. These insights fuel our commitment to evolving Vastra.com into a premier fashion e-commerce destination, dedicated to meeting the evolving needs of fashion-conscious consumers.

1.2. Defining the Problem

The overarching challenge for Vastra.com lies in optimizing the online fashion shopping experience. This entails creating a platform where users can effortlessly explore and discover stylish and sustainable clothing by specifying their preferences, such as style, size, and occasion. Importantly, at this stage, our focus is on articulating the problem without hinting at specific solutions, ensuring a thoughtful and user-centric resolution

1.3. Identifying Tasks

Effectively addressing the challenges faced by Vastra.com, we systematically identified and categorized tasks across different project stages, encompassing identification, development, and testing. These tasks form the cornerstone for organizing the report, structuring chapters, headings, and subheadings to guide our exploration and analysis in the development journey of Vastra.com..

1.4. Setting the Timeline

Vastra.com adheres to a well-defined timeline, illustrated through a Gantt chart, outlining crucial milestones and deadlines. This visual representation is instrumental in orchestrating efficient task management, guaranteeing a systematic and timely execution of the project for the successful development of Vastra.com.

1.5. Organization of the Report

This report provides a thorough understanding of Vastra.com, with each chapter contributing to the project's progress. It begins by exploring identified needs and challenges, followed by a detailed breakdown of tasks. The timeline sets the pace, and readers can expect insights and findings distributed across the chapters, offering a comprehensive view of Vastra.com's development..

As we embark on this journey, the following chapters will unfold, offering a holistic view of the development and implementation of Vstra.com.

CHAPTER - 2

LITERATURE REVIEW/BACKGROUND STUDY

2.1. Timeline of the Reported Problem

To grasp the global context of fashion challenges, we delved into the timeline of reported issues. Our investigation spanned incidents worldwide, supported by documentary proof. This historical exploration aided in understanding the evolution of challenges related to finding optimal and sustainable fashion choices.

2.2. Proposed Solutions

We examined past efforts to address challenges in the fashion domain, analyzing proposed solutions to understand their features, effectiveness, and drawbacks. Through a review of existing solutions, our goal was to glean insights from past experiences and identify opportunities for improvement in the development of Vastra.com..

2.3. Bibliometric Analysis

A thorough bibliometric analysis was undertaken to assess existing literature in the fashion domain. Focusing on key features, effectiveness, and drawbacks of globally implemented solutions, this analysis allowed us to synthesize information and gain insights into the current state of online fashion retail applications. These insights informed our approach to building an innovative solution with Vastra.com.

2.4. Review Summary

Connecting our discoveries from the literature review, we summarized key insights directly relevant to the development of Vastra.com. This alignment between existing knowledge and our project's objectives ensures that we build upon valuable lessons learned from the broader field of online fashion retail applications.

2.5. Problem Definition

With a clear understanding of the historical context and existing solutions, we defined the problem Vastra.com aimed to address. This involved specifying what needed to be done, how we intended to do it, and establishing boundaries for the project. The problem definition became a guiding framework for the subsequent design and development stages.

2.6. Goals/Objectives

Aligned with the problem definition, we set specific and measurable goals for Vastra.com. These goals served as milestones during the project, providing a roadmap for our work. The objectives were designed to be narrow, precise, tangible, and concrete, ensuring that each step contributes directly to the success of Vastra.com and can be validated or measured.

By conducting a thorough literature review and aligning our project objectives with the insights gained, Vastra.com is positioned to offer an innovative and effective solution in the realm of online fashion retail applications.

CHAPTER – 3

DESIGN OF THE SYSTEM

3.1 Crafting an Intuitive Fashion Portal

Utilizing HTML, CSS, and JavaScript exclusively, Vastra.com is meticulously designed for an engaging and responsive user interface. Users seamlessly navigate the fashion portal, specifying preferences like style and size. The application, structured with these core technologies, dynamically presents a curated collection of clothing items with corresponding details.

3.2 Implementing Secure User Authentication

In ensuring secure user authentication, Vastra.com employs HTML, CSS, and JavaScript for the frontend. Users can register and log in securely using their credentials.

Vastra.com exclusively relies on client-side technologies for user authentication, prioritizing simplicity and efficiency

3.3 Real-time Data Dynamics in Vastra.com

To ensure real-time updates on fashion items, Vastra.com seamlessly integrates APIs into the backend. This empowers the platform to fetch and display up-to-date product details. Vastra.com relies on HTML, CSS, and JavaScript for a simplified yet effective approach, ensuring a dynamic and accurate shopping experience.

3.4 Collaborative Development with Git and GitHub

For smooth collaboration and version control, we employed Git and GitHub. Multiple developers can work on the project simultaneously, tracking changes, and ensuring a stable codebase. This collaborative approach helps maintain consistency and facilitates efficient development.

3.5 Coding in Visual Studio Code

The actual coding process took place in Visual Studio Code, providing a streamlined and developer-friendly environment. This powerful code editor enhances productivity, offering features like syntax highlighting, debugging, and extensions, making the development process efficient and enjoyable.

3.6 Testing and Iterating

After coding, Vastra.com underwent comprehensive testing to ensure its functionality and responsiveness. Testing involved simulating various user scenarios, validating authentication security, and confirming the accuracy of product information. Any identified issues were promptly addressed, and improvements were iteratively implemented to enhance the overall user experience.

3.7 Creating the Implementation Plan

Throughout the design process of Vastra.com, we crafted a comprehensive implementation plan. This plan intricately mapped out the integration of frontend and backend technologies, API connections, and the authentication system. Serving as a guide, this plan ensured the development of Vastra.com was cohesive and well-executed, resulting in a seamless online fashion platform.

Vastra.com seamlessly combines HTML, CSS, and JavaScript to provide users with a seamless and secure online fashion shopping experience, allowing easy exploration and account management.

CHAPTER - 4

RESULTS ANALYSIS AND VALIDATION

4.1 Implementation of Solution

In crafting Vastra.com, we employed tools to ensure a smooth and optimal user experience for exploring and purchasing fashion items. Our process involved:

4.2 Data Insight

We utilized modern tools to analyze data from fashion APIs, gaining insights into trends and user preferences. This informed the platform's design and functionality, aligning it with user expectations.

4.3 Strategic Planning

Before developing Vastra.com, we created visual plans to enhance user interaction and ensure a user-friendly experience, making fashion exploration and purchase straightforward..

4.4 Documentation

Detailed reports were crafted to explain our choices, address challenges, and provide guidance for future development, ensuring transparency and a well-documented development process.

4.5 Organizational Tools

We utilized effective communication and organizational tools to streamline collaboration, ensuring everyone was aligned with tasks and facilitating efficient problem-solving.

4.6 Rigorous Testing

Prior to launch, Vastra.com underwent extensive testing to simulate user scenarios and guarantee optimal functionality. This iterative testing process instilled confidence in the platform's ability to deliver an exceptional fashion shopping experience based on user preferences and trends.

CHAPTER - 5

CONCLUSION & FUTURE WORK

5.1 Conclusion

In conclusion, the Vastra.com project embodies an innovative e-commerce platform designed to empower users in their pursuit of high-quality, stylish, and sustainable clothing. Built on a streamlined technological foundation comprising HTML, CSS, and JavaScript, Vastra.com is positioned to redefine the online fashion shopping experience.

Anticipated to be completed within a month, the Vastra.com team is dedicated to delivering a user-friendly and efficient platform. By providing users with a seamless interface to explore and purchase clothing, the project aligns with the evolving needs of fashion-conscious individuals.

The team is confident in achieving project objectives, drawing from a comprehensive understanding of user requirements and leveraging cutting-edge technologies in HTML, CSS, and JavaScript for a collaborative development approach.

5.2 Future Work

As Vastra.com enters the post-development phase, several avenues for future work come into focus:

5.2.1. Feature Enhancement

Continued refinement of Vastra.com can involve feature enhancement. The team aims to iterate on the application, incorporating additional functionalities that enhance the overall user experience. This may include refining search algorithms, introducing personalized user preferences, and expanding the scope of tracked fashion information.

5.2.2. Technological Advancements

To stay at the forefront of innovation, future work will entail staying abreast of technological

advancements. This involves periodic updates to the technological stack, ensuring that Vastra.com remains compatible with the latest frameworks and industry standards.

The integration of emerging technologies may also be explored for further optimization.

5.2.3. User Community Engagement

A critical aspect of future work for Vastra.com is engaging with the user community. Establishing a feedback loop and actively seeking user insights will be prioritized. This iterative approach allows for continuous improvements based on user feedback, ensuring that Vastra.com evolves in tandem with user expectations, providing a more personalized and satisfying fashion shopping experience.

5.2.4. Global Expansion

Looking beyond the initial release, there is potential for global expansion for Vastra.com. Future efforts may focus on integrating additional clothing brands, supporting a broader range of fashion styles, and adapting the application to cater to diverse international markets. The aim is to provide a comprehensive and inclusive online fashion shopping experience for users worldwide..

In summary, the future work for Vastra.com encompasses a commitment to ongoing improvement, technological currency, user engagement, and potential global scalability. By embracing these aspects, Vastra.com aims to not only meet but exceed user expectations in the dynamic landscape of online fashion shopping applications. The continuous dedication to innovation and user satisfaction positions Vastra.com as a leading platform in the ever-evolving fashion e-commerce industry.

REFERENCES

1. HTML – Hyper Text Markup Language, the standard markup language for documents designed to be displayed in a web browser. (<https://html.spec.whatwg.org/multipage/>)
2. CSS - Cascading Style Sheets, a style sheet language used for describing the look and formatting of a document written in HTML. (<https://www.w3.org/Style/CSS/Overview.en.html>)
3. JavaScript - A high-level, interpreted programming language that conforms to the ECMAScript specification. (<https://developer.mozilla.org/en-US/docs/Web/JavaScript>)
4. BootStrap - A free and open-source CSS framework directed at responsive, mobile-first front-end web development. (<https://getbootstrap.com/>)

The VASTRA team acknowledges the invaluable contributions of the above technologies, frameworks, and resources that played a pivotal role in the conceptualization and development of the VASTRA web application.

Github Link :- <https://github.com/HarshDevHub/VASTRA>

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REDTAPE CAMPUS & MORE

Men



yellow shirt

1200.00

Add to cart



Blue Shirt

600.00

Add to cart



Blazzer

2300.00

Add to cart



Black jeans

1000.00

Add to cart

My Cart

	Blue Shirt	600.00
	yellow shirt	1200.00
	Blazzer	2300.00
	Black jeans	1000.00
	Yellow Tshirt	1800.00
	Half Jacket	100.00
Total		7000.00

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Vastra Cares

WE DO NOT ASK FOR YOUR BANK ACCOUNT OR CARD DETAILS VERBALLY OR TELEPHONICALLY.

WE DO



WE DON'T



WE OFFER



WE DON'T

About US

Vastra.com is a programmatic online marketplace for Out-of-home (OOH) advertising. It connects advertisers to billboards, at any price point; to make buyers and sellers live better and simpler.

OUR VISION

Delivering Cloud Based Online Booking Of Outdoor Media And Out of Home Campaigns That Enhance Our Buyer's Awareness Improve Their Sales And Foster Their OOH Growth..

OUR VALUES:

Our People have a Personal Stake in Your Constant Success and Take Pride in What We Do.

Our Developers

Om Chokse

Kushagra Dixit

Harsh Agarwal

Divyank Nigam

Payment Methods

Net Banking

Verified By Visa

Master Card

CASH ON DELIVERY

Jio Money

Secure systems

256 BIT

```
<!-- index.html -->
<html>
  <head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <title>Vastra.com</title>
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link href="https://fonts.googleapis.com/css2?family=Sans+3:ital,wght@0,200;0,300;0,400;0,500;0,600;0,700;0,800;0,900;1,200;1,300;1,400;1,500;1,600;1,700;1,800" rel="stylesheet">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyIaIbzAi2FUVXjI0CjmCapSM07SpnJef0486qhLnuZ2cdeRh002iuK6FUUVM" crossorigin="anonymous" />
    <link rel="stylesheet" href="index.css" />
  </head>
  <body>
    <nav class="nav-container container-fluid">
      <div class="row w-100">
        <div id="logo-container-div" class="nav-container-div">
          |   <h1>Vastra</h1>.com
        </div>
        <div class="nav-container-div col-md-6 col-12" id="nav-categories-container">
          |   <a href="addtocart.html">men</a>
          |   <a href="addtocartfemale.html">Women</a>
          |   <a href="addtocartkids.html">Kids</a>
        </div>
        <div class="nav-container-div col" id="nav-utilities-container">
          <input class="sbar" type="text" placeholder="Search Vastra" id="nav-search-div" />
          <button class="sub">Search</button>
        </div>
      </div>
    </nav>
  </body>
</html>
```

Ln 535, Col 47 Spaces: 4 UTF-8 CRLF HTML ⚡ Port : 5501 ✓ Prettier

```
<!-- index.html -->
<html>
  <head>
    <button class="sub2"><a href="login.html">Login/Register</a></button>
  </head>
  <body>
    <nav>
      <div id="carouselExampleIndicators" class="carousel slide" data-bs-ride="carousel">
        <div class="carousel-indicators">
          <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="0" class="active" aria-current="true" aria-label="Slide 1"></button>
          <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="1" aria-label="Slide 2"></button>
          <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="2" aria-label="Slide 3"></button>
        </div>
        <div class="carousel-inner">
          <div class="carousel-item active">
            
          </div>
        </div>
      </div>
    </nav>
  </body>
</html>
```

Ln 535, Col 47 Spaces: 4 UTF-8 CRLF HTML ⚡ Port : 5501 ✓ Prettier

```
File Edit Selection View Go Run Terminal Help ⏪ ⏩ Vastra
```

index.html

```
<div>
  
</div>
<div>
  
</div>
<div id="carouselExampleIndicators" class="carousel slide" data-bs-ride="carousel">
  <div class="carousel-indicators">
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="0" class="active" aria-current="true" aria-label="Slide 1"></button>
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="1" aria-label="Slide 2"></button>
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="2" aria-label="Slide 3"></button>
  </div>
```

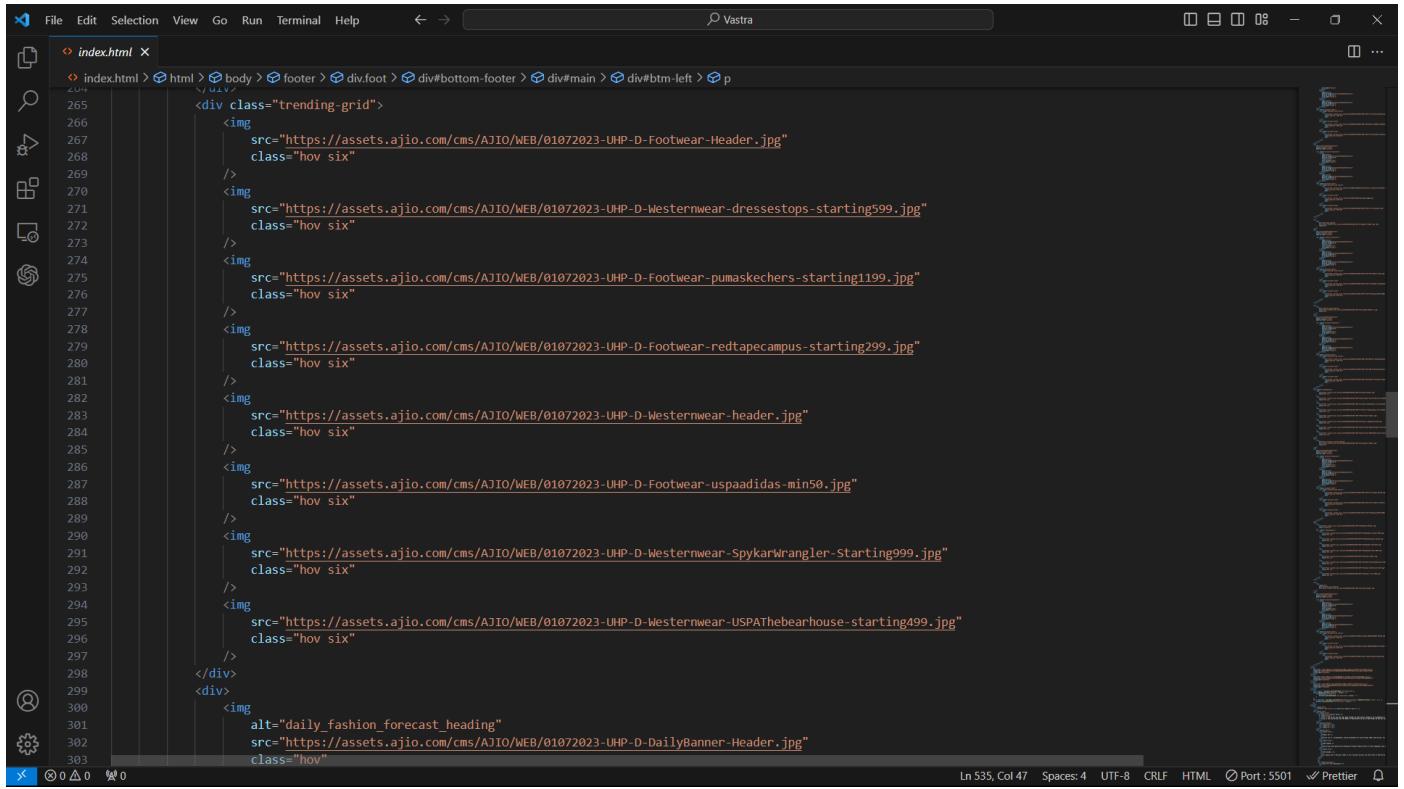
Ln 535, Col 47 Spaces: 4 UTF-8 CRLF HTML Port : 5501 ✓ Prettier

```
File Edit Selection View Go Run Terminal Help ⏪ ⏩ Vastra
```

index.html

```
</div>
<div class="carousel-item">
  
</div>
<div id="carouselExampleIndicators" class="carousel slide" data-bs-ride="carousel">
  <div class="carousel-indicators">
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="0" class="active" aria-current="true" aria-label="Slide 1"></button>
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="1" aria-label="Slide 2"></button>
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="2" aria-label="Slide 3"></button>
  </div>
  <div class="carousel-inner">
    <div class="carousel-item active">
```

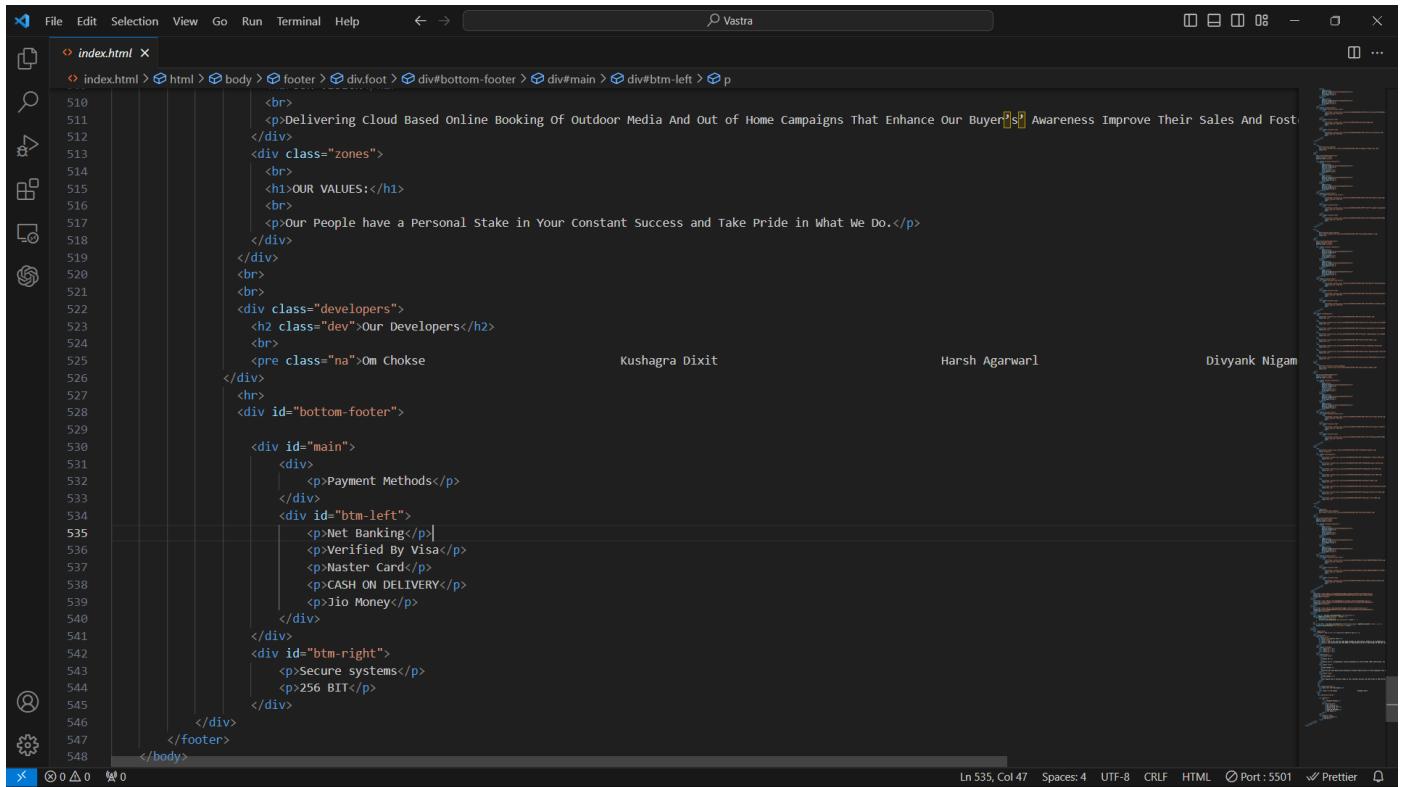
Ln 535, Col 47 Spaces: 4 UTF-8 CRLF HTML Port : 5501 ✓ Prettier



This screenshot shows a code editor interface with a dark theme. The main area displays the content of a file named 'index.html'. The code includes several tags with specific URLs and classes like 'hov six'.

```
<div class="trending-grid">
  
  
  
  
  
  
  
  
</div>
<div>
  
</div>
```

The status bar at the bottom indicates the file is 535 lines long, 47 columns wide, using Spaces: 4, in UTF-8 encoding, with CRLF line endings, and is an HTML file. It also shows port 5501 is open and Prettier is active.



This screenshot shows a code editor interface with a dark theme. The main area displays the content of a file named 'index.html'. The code includes developer signatures and payment method details.

```
<br>
<p>Delivering Cloud Based Online Booking Of Outdoor Media And Out of Home Campaigns That Enhance Our Buyers Awareness Improve Their Sales And Foster</p>
</div>
<div class="zones">
  <br>
  <h1>OUR VALUES:</h1>
  <br>
  <p>Our People have a Personal Stake in Your Constant Success and Take Pride in What We Do.</p>
</div>
<br>
<br>
<div class="developers">
  <h2>Our Developers</h2>
  <br>
  <pre>Om Chokse          Kushagra Dixit          Harsh Agarwala          Divyank Nigam</pre>
</div>
<br>
<div id="bottom-footer">
  <div id="main">
    <div>
      <p>Payment Methods</p>
    </div>
    <div id="btm-left">
      <p>Net Banking</p>
      <p>Verified By Visa</p>
      <p>Master Card</p>
      <p>CASH ON DELIVERY</p>
      <p>Jio Money</p>
    </div>
    <div id="btm-right">
      <p>Secure systems</p>
      <p>256 BIT</p>
    </div>
  </div>
</div>
</body>
```

The status bar at the bottom indicates the file is 535 lines long, 47 columns wide, using Spaces: 4, in UTF-8 encoding, with CRLF line endings, and is an HTML file. It also shows port 5501 is open and Prettier is active.

