

Web Programming Project Report

Hardware Aashram

Project Made by:

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Aim: To create a full stack E-commerce website named Hardware Aashram

Tech Stack used:

- Html
- CSS
- SCSS
- Bootstrap
- JavaScript
- jQuery
- Node JS
- Express JS

Tools used: Visual Studio Code, Figma, Git and GitHub, Xampp (phpMyAdmin)

Description of the website:

Hardware Aashram is an E-commerce website that specializes in selling computer hardware, with a particular focus on processors. The website is built using a full stack technology stack that includes HTML, CSS, Bootstrap, JavaScript, jQuery, Node JS, and Express JS.

The website has a user-friendly interface that enables customers to browse through a wide range of processors, compare their features, and select the one that best suits their requirements. Customers can view detailed product descriptions, images, and reviews before making a purchase.

It also includes a search bar that enables customers to quickly find the product they are looking for.

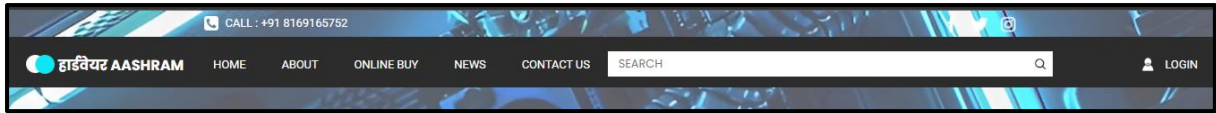
The website has been developed using responsive design principles, which ensures that it can be accessed on a range of devices, including desktops, laptops, tablets, and smartphones.

Overall, Hardware Aashram is a robust and reliable E-commerce website that provides customers with a convenient and secure way to purchase computer processors.

Code and Working of the website:

Code Snippets:

1.Header Section



```

<!-- header section strats -->
<header class="header_section">
  <div class="container">
    <div class="top_contact-container">
      <div class="tel_container">
        <a href="">
           Call : +91 8169165752
        </a>
      </div>
      <div class="social-container">
        <a href="">
          
        </a>
        <a href="">
          
        </a>
        <a href="">
          
        </a>
      </div>
    </div>
  </div>
  <div class="container-fluid">
    <nav class="navbar navbar-expand-lg custom_nav-
container pt-3">
      <a class="navbar-brand" href="/">
        
        <span> हार्दवेयर Aashram </span>
      </a>
      <button
        class="navbar-toggler"
        type="button"
        data-toggle="collapse"
        data-target="#navbarSupportedContent"
        aria-controls="navbarSupportedContent"
        aria-expanded="false"
        aria-label="Toggle navigation"
      >

```

```

        <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse"
id="navbarSupportedContent">
        <div
            class="d-flex flex-column flex-lg-row align-
items-center w-100 justify-content-between"
        >
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link" href="/"
                        >Home <span class="sr-
only">(current)</span></a>
                >
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="/about"> About
</a>

                </li>
                <li class="nav-item">
                    <a class="nav-link" href="/buy"> Online
Buy </a>

                </li>
                <li class="nav-item">
                    <a class="nav-link" href="/news"> News
</a>

                </li>
                <li class="nav-item">
                    <a class="nav-link"
href="/contact">Contact us</a>
                </li>
            </ul>
            <form class="form-inline">
                <input type="search" placeholder="Search" />
                <button
                    class="btn my-2 my-sm-0 nav_search-btn"
                    type="submit"
                ></button>
            </form>
            <div class="login_btn-contanier ml-0 ml-lg-5">
                <a href="/login">
                    
                    <span> Login </span>
                </a>
            </div>
        </div>
    </div>
</nav>
</div>
</header>

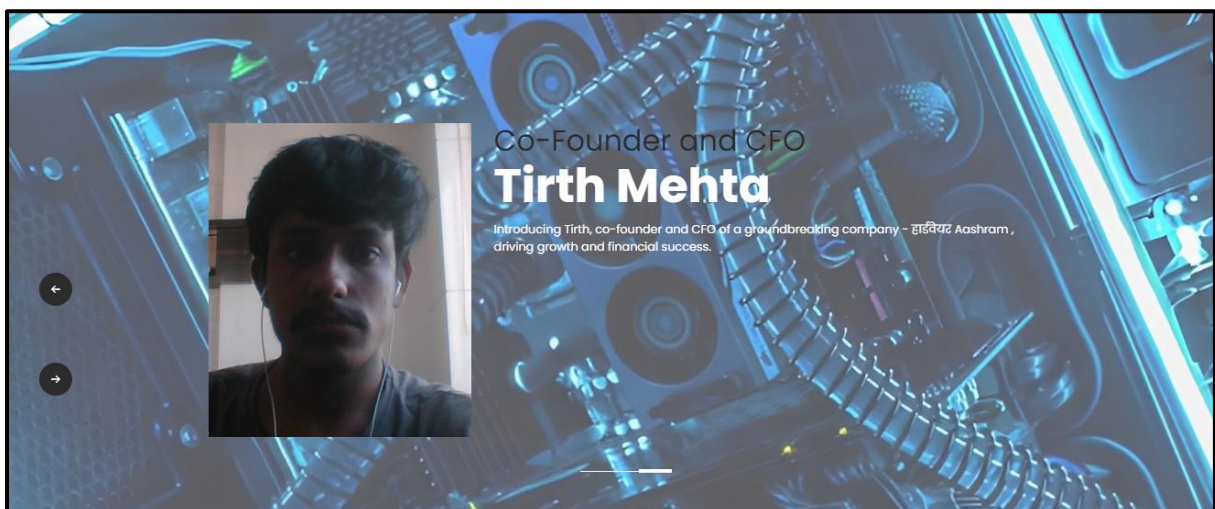
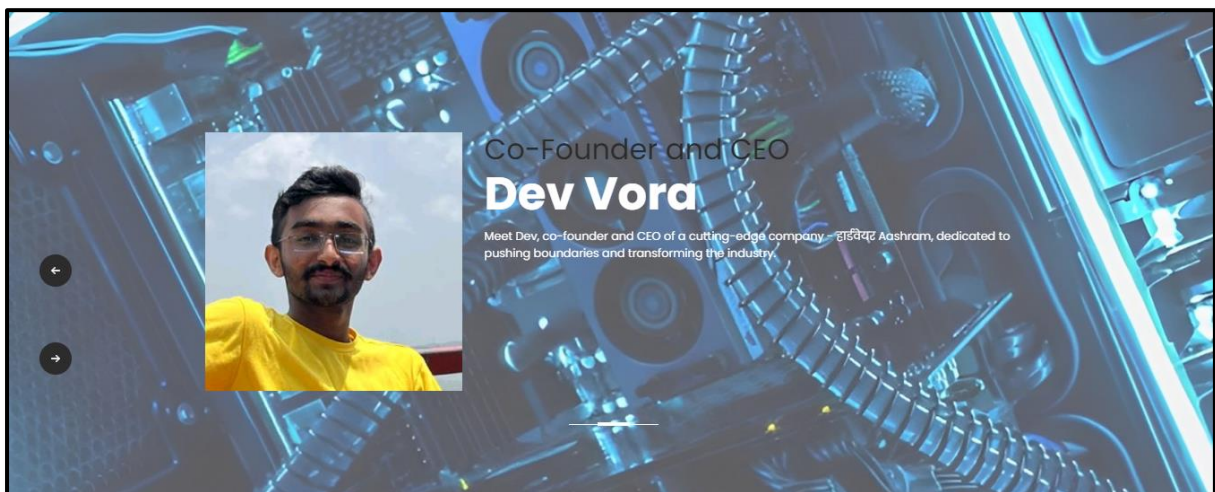
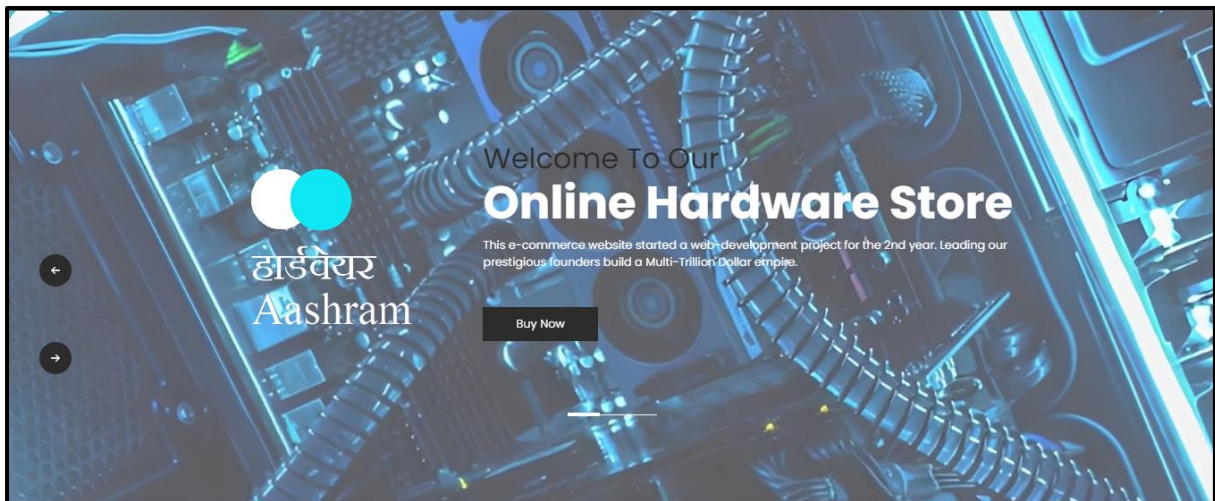
```

```
<!-- end header section -->
```

Explanation:

- This code is for the header section of a webpage that includes a navigation bar and some contact information. The code is written in HTML and uses Bootstrap classes to style the elements.
- The header section starts with a <header> tag with the class "header_section". Within the header section, there are two containers, one with the class "container" and the other with the class "container-fluid".
- Inside the "container" container, there is a "top_contact-container" div that contains two divs: "tel_container" and "social-container". The "tel_container" div has an image of a telephone symbol and a phone number. The "social-container" div has three images that link to the website's social media pages.
- The "container-fluid" container contains the navigation bar. The navigation bar is created using the Bootstrap navbar component. The logo and website name are contained within an anchor tag with the class "navbar-brand". The navigation links are contained within an unordered list with the class "navbar-nav". The search bar and login button are also included in the navbar.
- Overall, this code creates a header section with a navigation bar and contact information that is responsive and styled using Bootstrap.

2. Slider section using Bootstrap Owl Carousel



```

<!-- slider section -->
<section class="slider_section position-relative">
  <div
    id="carouselExampleIndicators"
    class="carousel slide"
    data-ride="carousel"
  >
    <ol class="carousel-indicators">
      <li
        data-target="#carouselExampleIndicators"
        data-slide-to="0"
        class="active"
      ></li>
      <li data-target="#carouselExampleIndicators" data-
slide-to="1"></li>
      <li data-target="#carouselExampleIndicators" data-
slide-to="2"></li>
    </ol>
    <div class="carousel-inner">
      <div class="carousel-item active">
        <div class="container">
          <div class="row">
            <div class="col-md-4">
              <div class="img-box">
                
              </div>
            </div>
            <div class="col-md-8">
              <div class="detail-box">
                <h1>
                  Welcome To Our <br />
                  <span> Online Hardware Store </span>
                </h1>
                <p>
                  This e-commerce website started a web-
development
prestigious
empire.
                  project for the 2nd year. Leading our
                  founders build a Multi-Trillion Dollar
                </p>
              </div>
            </div>
          </div>
          <div class="carousel-item">
            <div class="container">

```

```

        <div class="row">
            <div class="col-md-4">
                <div class="img-box">
                    
                </div>
            </div>
            <div class="col-md-8">
                <div class="detail-box">
                    <h1>
                        Co-Founder and CEO <br />
                        <span> Dev Vora </span>
                    </h1>
                    <p>
                        Meet Dev, co-founder and CEO of a
cutting-edge company - हार्डवेयर Aashram, dedicated to pushing
boundaries and transforming the industry.
                    </p>
                </div>
            </div>
        </div>
    </div>
    <div class="carousel-item">
        <div class="container">
            <div class="row">
                <div class="col-md-4">
                    <div class="img-box">
                        
                    </div>
                </div>
                <div class="col-md-8">
                    <div class="detail-box">
                        <h1>
                            Co-Founder and CFO <br />
                            <span> Tirth Mehta </span>
                        </h1>
                        <p>
                            Introducing Tirth, co-founder and CFO
of a groundbreaking company - हार्डवेयर Aashram , driving growth
and financial success.
                        </p>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>

```

```
<a
  class="carousel-control-prev"
  href="#carouselExampleIndicators"
  role="button"
  data-slide="prev"
>
  <span class="sr-only">Previous</span>
</a>
<a
  class="carousel-control-next"
  href="#carouselExampleIndicators"
  role="button"
  data-slide="next"
>
  <span class="sr-only">Next</span>
</a>
</div>
</section>
<!-- end slider section -->
```

Explanation:

- This code represents a slider section on a website, with a carousel of three items. The section includes two co-founders of a company called "हार्डवेयर Aashram" (Hardware Ashram) and a call-to-action button to buy their products.
- The HTML code includes a section tag with a class of "slider_section". Inside that tag, there is a div tag with an id of "carouselExampleIndicators" and a class of "carousel slide". This div contains an ordered list (ol) with three list items (li) that have attributes of data-target and data-slide-to, and a class of "active" for the first list item.
- The div also contains another div with a class of "carousel-inner", which holds the carousel items. Each carousel item is represented by a div with a class of "carousel-item".
- The first carousel item has a container with two columns, one for an image with a class of "img-box" and the other for a "detail-box" with a heading tag (h1) and a paragraph tag (p). The h1 tag includes a span tag for the company name. There is also a hyperlink (a tag) for a "Buy Now" button.
- The second and third carousel items have similar structures with images of the two co-founders, and a "detail-box" with their names, job titles, and a brief introduction.
- Lastly, the code includes two anchor tags (a tags) for the carousel control buttons with the classes of "carousel-control-prev" and "carousel-control-next".

3. Display items slider section


GRAPHIC CARDS

Buy Now




★★★★ NVIDIA GEFORCE RTX 3070 Ti ⚡ 136000

Buy Now



★★★★ NVIDIA GEFORCE RTX 3060 Ti ⚡ 93600

Buy Now




★★★★ NVIDIA GEFORCE RTX 3050 ⚡ 66000

Buy Now




★★★★ NVIDIA GEFORCE RTX 2080 SUPER ⚡ 89990

Buy Now



★★★★ NVIDIA GEFORCE RTX 3070 ⚡ 124400

Buy Now




★★★★ NVIDIA GEFORCE RTX 3060 ⚡ 85400

Buy Now



★★★★ NVIDIA GEFORCE RTX 2080 Ti ⚡ 129500

Buy Now




★★★★ NVIDIA GEFORCE RTX 2080 ⚡ 74990

PROCESSORS

INTEL

Buy Now



★★★★ CORE i5-13400F ⚡ 31360

Buy Now



★★★★ CORE i5-13600 ⚡ 40800

Buy Now



★★★★ CORE i5-13600KF ⚡ 48640

Buy Now



★★★★ CORE i5-13500T ⚡ 37120

Buy Now



★★★★ CORE i5-13500 ⚡ 38720

Buy Now



★★★★ CORE i5-13600K ⚡ 52640

Buy Now



★★★★ CORE i5-13400T ⚡ 35360

Buy Now




★★★★ CORE i5-13600T ⚡ 40800

PROCESSORS

AMD

Buy Now



★★★★ RYZEN 9 7900X ⚡ 55695

Buy Now




★★★★ RYZEN 9 7900 ⚡ 60000

Buy Now



★★★★ RYZEN 7 7800X3D ⚡ 95390

Buy Now



★★★★ RYZEN 7 7700X ⚡ 72990

Small code snippet for the above screenshots:

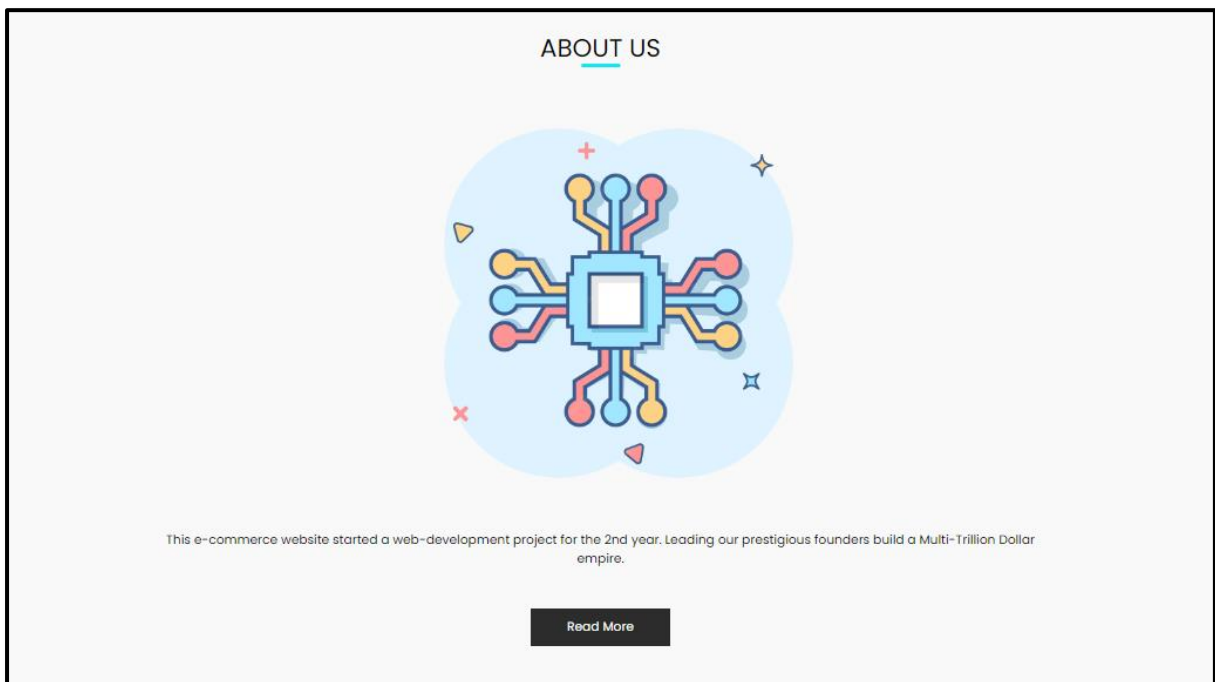
```
<div class="item">
    <div class="box">
        <div class="btn_container">
            <a href="/purchase"> Buy Now </a>
        </div>
        <div class="img-box">
            
        </div>
        <div class="detail-box">
            <div class="star_container">
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star-o" aria-
hidden="true"></i>
            </div>
            <div class="text">
                <h6>Core i9-13900</h6>
                <h6 class="price">
                    <span> ₹ </span>
                    92800
                </h6>
            </div>
        </div>
    </div>
    <div class="box">
        <div class="btn_container">
            <a href="/purchase"> Buy Now </a>
        </div>
        <div class="img-box">
            
        </div>
        <div class="detail-box">
            <div class="star_container">
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star" aria-
hidden="true"></i>
                <i class="fa fa-star-o" aria-
hidden="true"></i>
            </div>
        </div>
    </div>
</div>
```

```
<div class="text">
  <h6>Core i9-13900F</h6>
  <h6 class="price">
    <span> ₹ </span>
    88640
  </h6>
</div>
</div>
</div>
```

Explanation:

- This is a code snippet for a section of a website that sells hardware components. In particular, it displays four different models of Intel Core i9 processors with their respective prices and ratings.
- Each processor is displayed inside a div with the class "item". Within this div, there are four smaller divs, each with the class "box". Each "box" div contains the following elements:
 1. A button with the text "Buy Now", which links to the purchase page for the corresponding processor
 2. An image of the processor, contained within a div with the class "img-box"
 3. A div with the class "detail-box", which contains the processor's rating and name, as well as its price.
 4. The rating is displayed using a series of five icons, represented using the "fa-star" and "fa-star-o" classes from the Font Awesome icon library. A processor with a rating of 5 stars will have 5 solid stars displayed, while a processor with a rating of less than 5 stars will have some solid stars and some hollow stars displayed.
- The processor's name is displayed using an h6 element with the class "text". The processor's price is displayed using an h6 element with the class "price", which is nested inside the "text" div. The price is displayed with a currency symbol (in this case, the Indian rupee symbol) and the numerical value.

4. About us Section



```
<section class="about_section layout_padding">
  <div class="container">
    <div class="custom_heading-container">
      <h2>About Us</h2>
    </div>

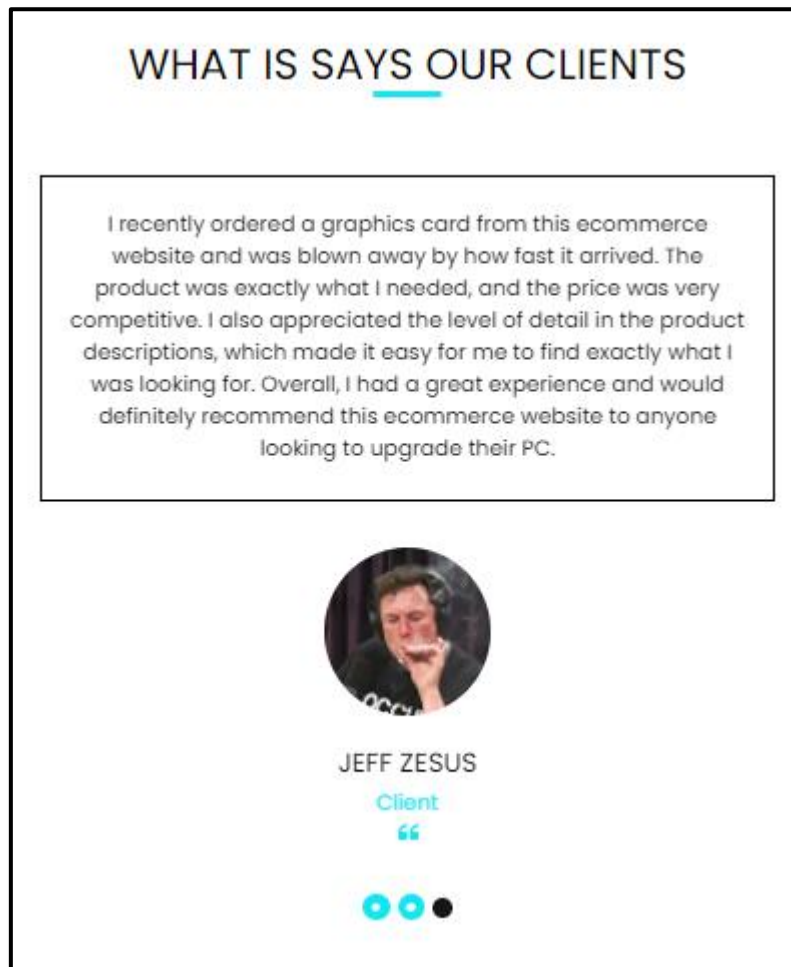
    <div class="img-box">
      
    </div>
    <div class="detail-box">
      <p>
        This e-commerce website started a web-development
project for the
        2nd year. Leading our prestigious founders build a
Multi-Trillion
        Dollar empire.
      </p>
      <div class="d-flex justify-content-center">
        <a href=""> Read More </a>
      </div>
    </div>
  </div>
</section>

<!-- end about section -->
```

Explanation:

- The above code is a HTML code for a section in a webpage. It represents the "About Us" section of the Hardware Aashram website. Let's break down the code and understand it in detail.
- The code is enclosed within the <section> tag, which is used to define a section in the HTML document. The class attribute "about_section layout_padding" is used to assign a class to the section, which can be used to apply styles to the section using CSS.
- Within the section, there is a <div> tag with the class attribute "container", which is used to group the content of the section. The <div> tag has two child elements:
 1. The <div> tag with class attribute "custom_heading-container" contains a <h2> tag with the text "About Us". This represents the heading of the section.
 2. The <div> tag with class attribute "img-box" contains an tag with the source attribute pointing to the image file "chip1.png". This represents the image displayed in the section.
- The second child element of the main <div> tag has class attribute "detail-box". This contains a <p> tag with some text about the website and a <div> tag with class "d-flex justify-content-center", which is used to align the "Read More" button to the center.
- Overall, the code represents a section of the Hardware Aashram website that provides information about the website and displays an image. The section also has a "Read More" button which can be clicked to read more about the website.

5. Client section



```
<!-- client section -->
<section class="client_section layout_padding">
  <div class="container">
    <div class="custom_heading-container">
      <h2>What is says our clients</h2>
    </div>
    <div
      id="carouselExample2Indicators"
      class="carousel slide"
      data-ride="carousel"
    >
      <ol class="carousel-indicators">
        <li
          data-target="#carouselExample2Indicators"
          data-slide-to="0"
          class="active"
        ></li>
        <li
          data-target="#carouselExample2Indicators"
```

```

        data-slide-to="1"
    ></li>
    <li
        data-target="#carouselExample2Indicators"
        data-slide-to="2"
    ></li>
</ol>
<div class="carousel-inner">
    <div class="carousel-item active">
        <div class="client_container layout_padding2">
            <div class="client_detail">
                <p>
                    Fantastic selection of graphic cards and
processors, and the prices were very reasonable. Shipping was
fast and everything arrived in perfect condition. Customer
service was top-notch - they were always available to answer
my questions and help me find the right product for my needs.
Highly recommend this ecommerce website for anyone looking to
upgrade their PC!
                </p>
            </div>
            <div class="client_box">
                <div class="img-box">
                    
                </div>
                <div class="name">
                    <h5>Eduardo Saverin</h5>
                    <h6>
                        <span> Client </span>
                        
                    </h6>
                </div>
            </div>
        </div>
    </div>
    <div class="carousel-item">
        <div class="client_container layout_padding2">
            <div class="client_detail">
                <p>
                    I've ordered multiple graphics cards and
processors from this ecommerce website, and every time I've
been extremely satisfied with my purchases. The products are
always top-quality, and the prices are some of the best I've
found online. The customer service team is also excellent -
they're knowledgeable, friendly, and always ready to help.
Highly recommend!
                </p>
            </div>
            <div class="client_box">
                <div class="img-box">

```


Explanation:

- The above code is an HTML code for a client section of a website. It displays a carousel of three client testimonials with their respective names and images. The section starts with a heading "What is says our clients".
- Each testimonial is contained within a carousel item, and it includes a client detail section with a paragraph of their feedback. It also includes a client box section with an image of the client and their name, along with a designation "Client" and an image of a quote.
- The carousel has indicators at the bottom that show which testimonial is currently being displayed and allows users to navigate through the testimonials. This section is designed to showcase positive feedback from clients and provide social proof to potential customers.

6.Contact Us Section

REQUEST A CALL BACK

Name


Phone Number

Email

Select an Item

AMD Ryzen5 7600

Message



Get 10% Off on Our Best-Selling Graphics Cards!

Upgrade your gaming experience with our high-performance graphics cards. Our cards offer stunning visuals, seamless gameplay, and unmatched speed, all at an affordable price. Don't miss this limited-time offer - get 10% off on our best-selling graphics cards now!

```

<!-- Contact section -->
<section class="contact_section layout_padding">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <div class="custom_heading-container">
          <h2>Request A Call Back</h2>
        </div>
      </div>
    </div>
  </div>
  <div class="container layout_padding2">
    <div class="row">
      <div class="col-md-5">
        <div class="form_container">
          <form id="myForm" action="/" method="post">
            <div class="form-group">
              <label for="exampleInputName1">Name</label>
              <input type="text" class="form-control"
id="exampleInputName1" required>
            </div>
            <div class="form-group">
              <label for="exampleInputNumber1">Phone Number</label>
              <input type="tel" class="form-control"
id="exampleInputNumber1" required>
            </div>
            <div class="form-group">
              <label for="exampleInputEmail1">Email</label>
              <input type="email" class="form-control"

```

```
id="exampleInputEmail1" required>
    </div>
    <div class="form-group">
        <label for="inputState">Select an Item</label>
        <select id="inputState" class="form-control" required>
            <option value="" disabled selected>Select an
Item</option>
            <optgroup label="Nvidia Graphics Card">
                <option>Nvidia GeForce RTX 4090</option>
                <option>Nvidia GeForce RTX 4080</option>
                <option>Nvidia GeForce RTX 4070 Ti</option>
                <option>Nvidia GeForce RTX 3090 Ti</option>
                <option>Nvidia GeForce RTX 3090</option>
                <option>Nvidia GeForce RTX 3080 Ti</option>
                <option>Nvidia GeForce RTX 3080</option>
                <option>Nvidia GeForce RTX 3070 Ti</option>
                <option>Nvidia GeForce RTX 3070</option>
                <option>Nvidia GeForce RTX 3060 Ti</option>
                <option>Nvidia GeForce RTX 3060</option>
                <option>Nvidia GeForce RTX 3050</option>
                <option>Nvidia GeForce RTX 2080 Ti</option>
                <option>Nvidia GeForce RTX 2080 Super</option>
                <option>Nvidia GeForce RTX 2080</option>
                <option>Nvidia GeForce GTX 1660 Ti</option>
                <option>Nvidia GeForce GTX 1660 Super</option>
                <option>Nvidia GeForce GTX 1660</option>
                <option>Nvidia GeForce GTX 1650 Super</option>
                <option>Nvidia GeForce GTX 1650 (G5)</option>
                <option>Nvidia GeForce GTX 1650 (G6)</option>
                <option>Nvidia GeForce GTX 1630</option>
            </optgroup>
            <optgroup label="Intel Processor">
                <option>Intel Core i3-13100</option>
                <option>Intel Core i3-13100F</option>
                <option>Intel Core i3-13100T</option>
                <option>Intel Core i3-13100E</option>
                <option>Intel Core i3-13100TE</option>
                <option>Intel Core i5-13400</option>
                <option>Intel Core i5-13400F</option>
                <option>Intel Core i5-13500</option>
                <option>Intel Core i5-13500T</option>
                <option>Intel Core i5-13500F</option>
                <option>Intel Core i5-13600</option>
                <option>Intel Core i5-13600K</option>
                <option>Intel Core i5-13600KF</option>
                <option>Intel Core i7-13700</option>
                <option>Intel Core i7-13700T</option>
                <option>Intel Core i7-13700K</option>
                <option>Intel Core i7-13700KF</option>
                <option>Intel Core i7-13800H</option>
                <option>Intel Core i7-13800HF</option>
                <option>Intel Core i7-13900H</option>
                <option>Intel Core i7-13900HF</option>
                <option>Intel Core i7-13900HK</option>
                <option>Intel Core i7-13900HKF</option>
                <option>Intel Core i9-11900KB</option>
            </optgroup>
        </select>
    </div>
```

```

        <option>Intel Core i9-11900K</option>
        <option>Intel Core i9-11900KF</option>
        <option>Intel Core i9-11900H</option>
        <option>Intel Core i9-11900HF</option>
        <option>Intel Core i9-11900HK</option>
        <option>Intel Core i9-11900HKF</option>
        <option>Intel Core i9-11980HK</option>
        <option>Intel Core i9-11980H</option>
        <option>Intel Core i9-11980HF</option>
        <option>Intel Core i9-12900K</option>
        <option>Intel Core i9-12900KF</option>
    </optgroup>
    <optgroup label="AMD Ryzen Platform">
        <option selected>AMD Ryzen 97950X3D</option>
        <option selected>AMD Ryzen 7950X</option>
        <option selected>AMD Ryzen 7900X3D</option>
        <option selected>AMD Ryzen 7900X</option>
        <option selected>AMD Ryzen 7900</option>
        <option selected>AMD Ryzen7 7800X3D</option>
        <option selected>AMD Ryzen7 7700X</option>
        <option selected>AMD Ryzen7 7700</option>
        <option selected>AMD Ryzen5 7600X</option>
        <option selected>AMD Ryzen5 7600</option>
    </optgroup>
</select>
<button type="submit" id="submit-
btn">Submit</button>
</div>
<div class="form-group">
    <label for="exampleInputMessage">Message</label>
    <input
        type="text"
        class="form-control"
        id="exampleInputMessage"
    />
</div>
<button type="submit" class="">Send</button>
</form>
</div>
</div>
<div class="col-md-7">
    <div class="detail-box">
        <h3>Get 10% Off on Our Best-Selling Graphics
Cards!</h3>
        <p>
            Upgrade your gaming experience with our high-
performance
            graphics cards. Our cards offer stunning visuals,
            seamless
            gameplay, and unmatched speed, all at an affordable
            price. Don't
            miss this limited-time offer - get 10% off on our
            best-selling
            graphics cards now!
        </p>
    </div>
</div>

```

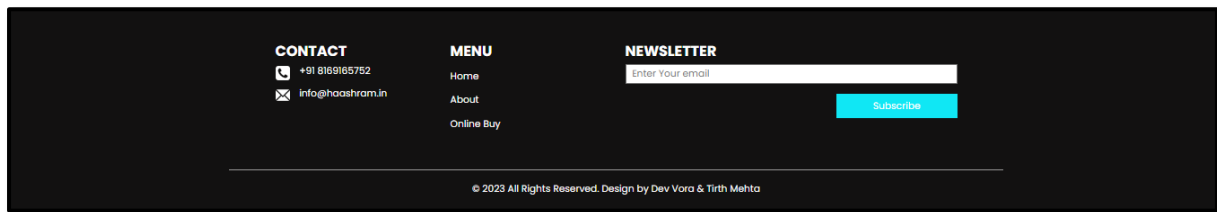
```
        </div>
    </div>
</div>
</section>

<!-- end contact section -->
```

Explanation:

- This is HTML code for a contact section of a website. It includes a form that allows users to request a call back by providing their name, phone number, email, and selecting an item they are interested in.
- The code starts with a section tag with a class of "contact_section" and "layout_padding" which is used to add padding to the section. Inside this section, there are two container divs. The first container div contains a row with a single column that has a custom heading "Request A Call Back". The second container div contains another row with two columns, one with a form and the other is left empty.
- The form has an id of "myForm" and an action of "/" which means that when the form is submitted, it will send the data to the root of the current directory. The method used to submit the form is "post".
- The form contains four form groups for the user to input their name, phone number, email, and select an item they are interested in. Each input field has a label associated with it for accessibility purposes.
- The select element for selecting an item has an id of "inputState" and a class of "form-control". It has two optgroup tags for grouping the options into Nvidia Graphics Card, Intel Processor, and AMD Ryzen Platform. Each option has a value attribute with the name of the item and the text inside the option tag is the display name of the item.
- Overall, this code is used to create a form for users to request a call back and select an item they are interested in. The data is sent to the server-side for processing when the form is submitted.

7. Footer section



```
<!-- info section -->
<section class="info_section layout_padding2">
  <div class="container">
    <div class="row">
      <div class="col-md-3">
        <div class="info_contact">
          <h4>Contact</h4>
          <div class="box">
            <div class="img-box">
              
            </div>
            <div class="detail-box">
              <h6>+91 8169165752</h6>
            </div>
          </div>
          <div class="box">
            <div class="img-box">
              
            </div>
            <div class="detail-box">
              <h6>info@haashram.in</h6>
            </div>
          </div>
        </div>
      </div>
      <div class="col-md-3">
        <div class="info_menu">
          <h4>Menu</h4>
          <ul class="navbar-nav">
            <li class="nav-item active">
              <a class="nav-link" href="/"
only">(current)</span></a
              >
            </li>
            <li class="nav-item">
              <a class="nav-link" href="/about"> About
</a>
            </li>
            <li class="nav-item">
```

```

        <a class="nav-link" href="/buy"> Online Buy
</a>
    </li>
</ul>
</div>
</div>
<div class="col-md-6">
    <div class="info_news">
        <h4>newsletter</h4>
        <form action="">
            <input type="text" placeholder="Enter Your
email" />
            <div
                class="d-flex justify-content-center
justify-content-end mt-3"
            >
                <button>Subscribe</button>
            </div>
        </form>
    </div>
</div>
</div>
</div>
</section>

<!-- end info section -->

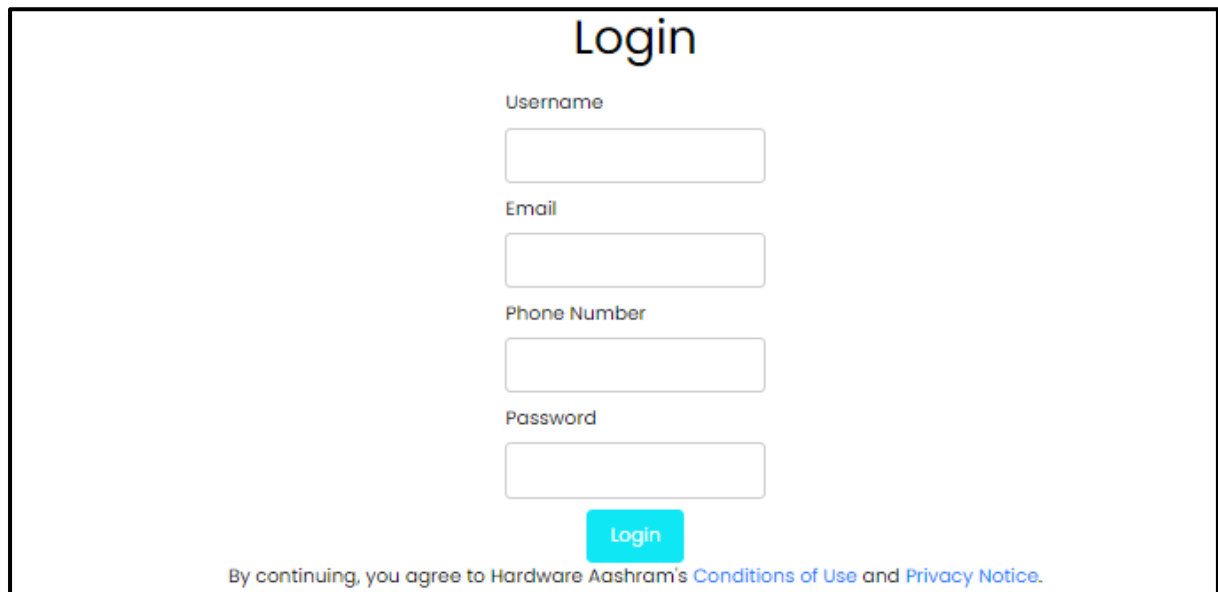
<!-- footer section -->
<section class="container-fluid footer_section">
    <p>
        &copy; 2023 All Rights Reserved. Design by
        <a href="https://github.com/DevVora5">Dev Vora</a> &
        <a href="https://github.com/topcoder21">Tirth
Mehta</a>
    </p>
</section>
<!-- footer section -->

```

Explanation:

- This code represents the HTML markup for the info section and footer section of a website. The info section contains three columns: one for contact information, one for a menu, and one for a newsletter subscription form. The contact information includes a phone number and email address. The menu includes links to the home, about, and online buy pages. The newsletter subscription form allows users to enter their email address and subscribe.
- The footer section contains copyright information and credits the designers of the website.

8. Login Section



Login

Username

Email

Phone Number

Password

Login

By continuing, you agree to Hardware Ashram's [Conditions of Use](#) and [Privacy Notice](#).

```
<!-- login section -->
<div style="font-family: 'Poppins', sans-serif; color:
#000000; background-color: #ffffff;">
  <div style="display: flex; justify-content: center">
    <div style="display: flex; flex-direction: column;
justify-content: center; align-items: center; border: none
solid #ccc; padding: 20px;">
      <div style="display: flex; align-items: center; margin-
bottom: 20px">
        <h1 style="text-align: left; margin: 0">Login</h1>
      </div>
      <form id="loginForm" method="POST" action="/send-email">
        <label for="username" style="display:
block">Username</label>
        <input type="text" id="username" name="username"
style="padding: 10px; border-radius: 5px; border: 1px solid
#ccc; margin-bottom: 10px; width: 100%;" required />
        <label for="email" style="display:
block">Email</label>
        <input type="email" id="email" name="email"
style="padding: 10px; border-radius: 5px; border: 1px solid
#ccc; margin-bottom: 10px; width: 100%;" required />
        <label for="phone" style="display: block">Phone
Number</label>
        <input type="tel" id="phone" name="phone"
style="padding: 10px; border-radius: 5px; border: 1px solid
#ccc; margin-bottom: 10px; width: 100%;" required />
        <label for="password" style="display:
block">Password</label>
        <input type="password" id="password" name="password"
```

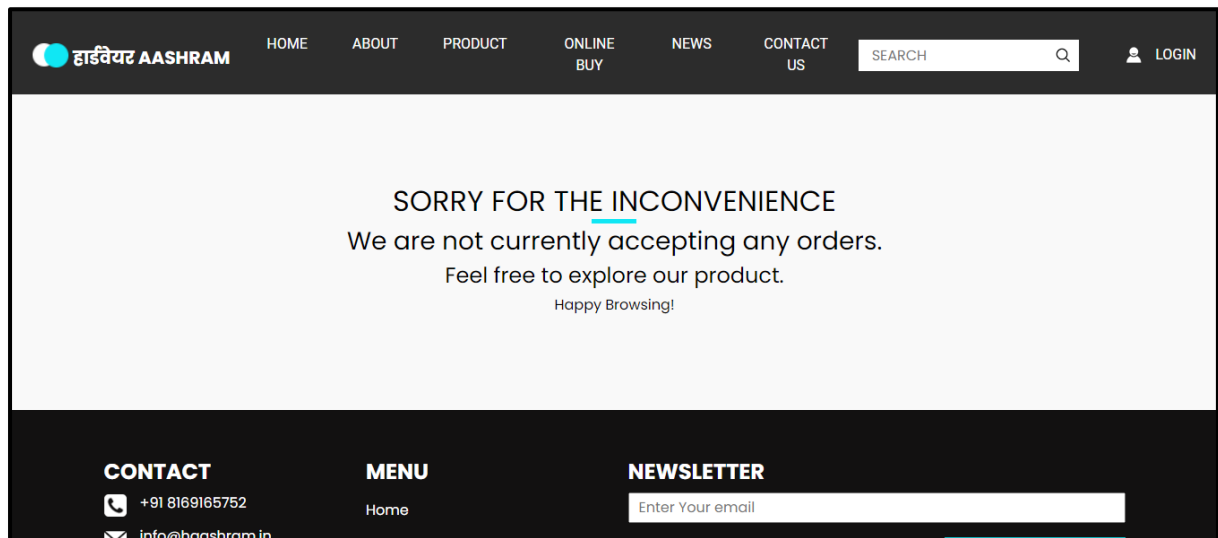


```
style="padding: 10px; border-radius: 5px; border: 1px solid
#ccc; margin-bottom: 10px; width: 100%;" required />
    <center>
        <input type="submit" name="submit" value="Login"
style="background-color: #10e7f4; color: #fff; padding: 10px
20px; border: none; border-radius: 5px; cursor: pointer;" />
    </center>
</form>
    <p>By continuing, you agree to Hardware Aashram's <a
href="/docs/terms-of-use.docx" download>Conditions of Use</a>
and <a href="/docs/privacy-policy.docx" download>Privacy
Notice</a>.</p>
</div>
</div>
</div>
```

Explanation:

- This code is a login section of a web page designed using HTML and CSS. The login form contains input fields for username, email, phone number, and password. It also has a submit button that is used to submit the form data to the server using the POST method.
- The form has a "required" attribute for each input field, which means that the user must fill in all the fields before submitting the form. There is also a link to the website's terms of use and privacy policy.
- The CSS styles used in this code include a font-family property for the Poppins font, a color property for the text color, and a background-color property for the background color of the section.

9. Purchase page



```
<!-- about section -->
<section class="about_section layout_padding">
  <div class="container">
    <div class="custom_heading-container">
      <h2>Sorry for the Inconvenience</h2>
    </div>
    <div>
      <h3>We are not currently accepting any orders.</h3>
    </div>
    <div>
      <h4>Feel free to explore our product.</h4>
    </div>
    <div>
      <h6>Happy Browsing!</h6>
    </div>
  </div>
</section>
```

Explanation:

- This code appears to be for an "purchase" section of a website. It is apologizing for the inconvenience and stating that they are not currently accepting any orders. It also encourages visitors to explore the product and wishes them a happy browsing experience

Key Features/Backend Functionalities implemented

Modules used:

- 1.Express
2. bodyParser
- 3.Path
- 4.Mysql
- 5.Cheerio
- 6.Express Validator

Code:

```
const nodemailer = require('nodemailer');
const express = require('express');
const app = express();
const bodyParser = require('body-parser');
const { check, validationResult } = require('express-validator');
const path = require('path');
const mysql = require('mysql');

const connection = mysql.createConnection({
  host: 'localhost',
  user: 'root',
  password: '',
  database: 'hardware_ashram'
});

connection.connect(function(error) {
  if (error) {
    console.error('Error connecting to database: ' + error.stack);
    return;
  }
  console.log('Connected to database with ID ' + connection.threadId);
});

app.post('/contact', (req, res) => {
  // const name = req.body.name;
  // const email = req.body.email;
  // const message = req.body.message;

  // Do something with the form data here...

  res.send('Form submission successful!');
});

app.set('view engine', 'ejs');
```

```
app.set('views', path.join(__dirname, 'views'));
app.use(bodyParser.urlencoded({ extended: true }));
app.use(express.static(path.join(__dirname, 'public')));

const port = 3000;

// Form validation rules
const validationRules = [
  check('username').notEmpty().withMessage('Username is required'),
  check('email').isEmail().withMessage('Invalid email address'),
  check('phone').notEmpty().withMessage('Phone number is required'),
  check('password').isLength({ min: 6
}).withMessage('Password must be at least 6 characters'),
];

// Express route for sending email
app.post('/send-email', validationRules, (req, res) => {
  // Extract form data
  const { username, email, phone, password } = req.body;

  // Check for validation errors
  const errors = validationResult(req);
  if (!errors.isEmpty()) {
    return res.status(422).json({ errors: errors.array() });
  }

  // Create transporter object using SMTP transport
  let transporter = nodemailer.createTransport({
    host: 'smtp.gmail.com',
    port: 587,
    secure: false,
    auth: {
      user: 'contact.hardwareaashram@gmail.com', // Your
email address
      pass: 'uenrtqhcwchunjg' // Your email password
    },
    tls: {
      rejectUnauthorized: false
    }
  });

  // Email message options
  let mailOptions = {
    from: 'contact.hardwareaashram@gmail.com', // Sender
address
    to: req.body.email, // Receiver address (use email
entered in form)
    subject: 'New login', // Subject line
```

```
html: `
<h1>New login attempt</h1>
<p>Username: ${username}</p>
<p>Email: ${email}</p>
<p>Phone: ${phone}</p>
<p>Password: ${password}</p>
<h1>Hello ${username}!</h1>
<p>Thank you for creating an account with Hardware
Aashram. Your password is: ${password}</p>
<p>If you have any questions or concerns, please do not
hesitate to contact us at support@hardwareaashram.com.</p>
`;

// Insert form data into database
const sql = `INSERT INTO users (username, email, phone,
password) VALUES ('${username}', '${email}', '${phone}',
'${password}')`;

connection.query(sql, function(error, results, fields) {
  if (error) throw error;
  console.log('Form data saved to database!');
});

// Send email
transporter.sendMail(mailOptions, (error, info) => {
  if (error) {
    console.log(error);
    res.status(500).send('Error sending email');
  } else {
    console.log('Email sent: ' + info.response);
    res.status(200).send('Email sent successfully');
  }
  // Redirect to the previous page
  res.redirect('back');
});

});
// Route for home page
app.get('/', function(req, res){
  res.render('pages/index');
});

// Route for buy page
app.get('/buy', function(req, res){
  res.render('pages/buy');
});

// Route for about page
app.get('/about', function(req, res){
  res.render('pages/about');
```

```
});

// Route for login page
app.get('/login', function(req, res){
  res.render('pages/login');
});

// Route for contact page
app.get('/contact', function(req, res){
  res.render('pages/contact');
});
// Route for contact page
app.get('/purchase', function(req, res){
  res.render('pages/purchase');
});
app.get('/news', function(req, res){
  res.render('pages/news');
});
// Start server
app.listen(port, () => {
  console.log('Page view recorded!');
  console.log(`Server started on port ${port}`);
});
const transporter1 = nodemailer.createTransport({
  host: 'smtp.gmail.com',
  port: 587,
  secure: false, // true for 465, false for other ports
  auth: {
    user: 'contact.hardwareaashram@gmail.com', // your email
    address
    pass: 'uenrtqhcvwchunjg' // your email password or API
    token
  }
});

const path1 = require('path');
const unsubscribePath = path1.join(__dirname, 'views',
'pages', 'unsubscribe.ejs');

// define the email options
let mailOptions1 = {
  from: 'contact.hardwareaashram@gmail.com',
  to: "", // use the email submitted through the
subscription form
  subject: 'Newsletter and Promotions',
  html: `
```

```

    <ul>
      <li>Up to 20% off on all processors in our
inventory.</li>
      <li>Free shipping on all orders over $100.</li>
      <li>Special discounts on bulk purchases of
processors.</li>
    </ul>
    <p>Please find attached our latest newsletter, which
includes more information about these promotions and other
exciting news in the world of processors. We hope you enjoy
reading it!</p>
    <p>If you have any questions or comments, please don't
hesitate to contact us. And if you'd like to unsubscribe
from our newsletter, simply click the "Unsubscribe" button
below.</p>
    <p>Best regards,<br>The Hardware Ashram Team</p>
    <button style="background-color: #008CBA; border: none;
color: white; padding: 15px 32px; text-align: center; text-
decoration: none; display: inline-block; font-size: 16px;
margin: 4px 2px; cursor: pointer;"
onclick="window.location.href='/unsubscribe?email='+encodeUR
IComponent('${req.body.email}')">Unsubscribe</button>`,
    attachments: [
      {
        filename: 'newsletter.pdf',
        path: './newsletter.pdf'
      }
    ],
    template: {
      path: unsubscribePath,
      engine: 'ejs'
    }
  }
};

// add subscriber email to database
function addSubscriberToDB(email) {
  connection.query('INSERT INTO subscribers SET ?', {
email_add: email }, (error, results, fields) => {
    if (error) throw error;
    console.log('New subscriber added to database:', email);
  });
}

// remove subscriber email from database
function removeSubscriberFromDB(email) {
  connection.query('DELETE FROM subscribers WHERE email_add
= ?', email, (error, results, fields) => {
    if (error) throw error;
    console.log('Subscriber removed from database:', email);
  });
}

```

```
// send mail with defined transport object and add
subscriber to database
function sendNewsletter(email) {
  // update the "to" field in mailOptions with the
subscriber's email
  mailOptions1.to = email;

  transporter1.sendMail(mailOptions1, (error, info) => {
    if (error) {
      console.log(error);
    } else {
      console.log('Message sent: %s', info.messageId);
    }
  });
}

// handle form submission
app.post('/subscribe', (req, res) => {
  const email = req.body.email;

  // update the "to" field in mailOptions with the
subscriber's email
  mailOptions1.to = email;

  // add subscriber to database
  addSubscriberToDB(email);

  // send newsletter immediately
  sendNewsletter(email);

  // send response to client
  res.send('Thank you for subscribing!');

  // send newsletter periodically after every 10 days
  const intervalId = setInterval(() => {
    sendNewsletter(email);
  }, 10 * 24 * 60 * 60 * 1000); // 10 days in milliseconds

  // store interval id for future use
  intervals[email] = intervalId;
});

// handle unsubscribe request
app.get('/unsubscribe', (req, res) => {
  const email = req.query.email;

  // remove subscriber from database
  removeSubscriberFromDB(email);

  // clear periodic newsletter sending for the email
  clearInterval(intervals[email]);
}
```



```
delete intervals[email];

// send email to unsubscribed email address
// define the transporter object
const transporter1 = nodemailer.createTransport({
  host: 'smtp.gmail.com',
  port: 587,
  secure: false, // true for 465, false for other ports
  auth: {
    user: 'contact.hardwareaashram@gmail.com', // your email
    address
    pass: 'uenrtqhcvwchunjg' // your email password or API
    token
  }
});

// handle form submission
app.post('/subscribe', (req, res) => {
  // ...
});

// handle unsubscribe request
app.get('/unsubscribe', (req, res) => {
  const email = req.query.email;

  // remove subscriber from database
  removeSubscriberFromDB(email);

  // clear periodic newsletter sending for the email
  clearInterval(intervals[email]);
  delete intervals[email];

  // send email to unsubscribed email address
  let mailOptions1 = {
    from: 'contact.hardwareaashram@gmail.com', // Sender
    address
    to: email, // Receiver address
    subject: 'Unsubscription Confirmation', // Subject line
    html: `
      <h1>You have been unsubscribed</h1>
      <p>You have been unsubscribed from the Hardware
      Aashram newsletter and promotions. We're sorry to see you
      go.</p>
      <p>If you have any feedback or suggestions for
      improvement, please let us know by replying to this
      email.</p>
      <p>Best regards,<br>The Hardware Ashram Team</p>
    `,
    attachments: [
      {
        filename: 'logo.png', // name of the attached file

```

```
        path: './logo.png' // path to the attached file
      }
    ]
  };

  transporter1.sendMail(mailOptions1, (error, info) => {
    if (error) {
      console.log(error);
    } else {
      console.log('Unsubscribe message sent: %s',
info.messageId);
    }
  });

  // send response to client
  res.send('You have been unsubscribed from the
newsletter.');
```

Explanation:

- This code appears to be a server-side JavaScript code for a website. It uses the Node.js runtime environment along with the Express.js framework to handle HTTP requests and responses. It also uses Nodemailer, a module for Node.js, to send emails.
- The code connects to a MySQL database using the mysql module to store user data. It then defines routes for different pages such as the home page, buy page, about page, login page, contact page, purchase page, and news page using the Express.js app object.
- The code also defines an Express.js POST route for sending an email, which contains a form for user data validation using the express-validator module. Once the form data passes the validation, it is inserted into the MySQL database, and an email is sent using Nodemailer to the email address provided in the form.
- There is also a separate block of code that defines the email options for an email that is sent when a user unsubscribes from the mailing list.

Login Verification and Login data storage in Xampp

```
const connection = mysql.createConnection({
  host: 'localhost',
  user: 'root',
  password: '',
  database: 'hardware_ashram'
});

connection.connect(function(error) {
  if (error) {
    console.error('Error connecting to database: ' +
error.stack);
    return;
  }
  console.log('Connected to database with ID ' +
connection.threadId);
});

app.post('/contact', (req, res) => {
  // const name = req.body.name;
  // const email = req.body.email;
  // const message = req.body.message;

  // Do something with the form data here...

  res.send('Form submission successful!');
});

app.set('view engine', 'ejs');
app.set('views', path.join(__dirname, 'views'));
app.use(bodyParser.urlencoded({ extended: true }));
app.use(express.static(path.join(__dirname, 'public')));

const port = 3000;

// Form validation rules
const validationRules = [
  check('username').notEmpty().withMessage('Username is
required'),
  check('email').isEmail().withMessage('Invalid email
address'),
  check('phone').notEmpty().withMessage('Phone number is
required'),
  check('password').isLength({ min: 6 }).withMessage('Password
must be at least 6 characters'),
];

// Express route for sending email
app.post('/send-email', validationRules, (req, res) => {
  // Extract form data
```

```
const { username, email, phone, password } = req.body;

// Check for validation errors
const errors = validationResult(req);
if (!errors.isEmpty()) {
  return res.status(422).json({ errors: errors.array() });
}

// Create transporter object using SMTP transport
let transporter = nodemailer.createTransport({
  host: 'smtp.gmail.com',
  port: 587,
  secure: false,
  auth: {
    user: 'contact.hardwareaashram@gmail.com', // Your email
    pass: 'uenrtqhcwchunjg' // Your email password
  },
  tls: {
    rejectUnauthorized: false
  }
});

// Email message options
let mailOptions = {
  from: 'contact.hardwareaashram@gmail.com', // Sender
  to: req.body.email, // Receiver address (use email entered
  subject: 'New login', // Subject line
  html: `
<h1>New login attempt</h1>
<p>Username: ${username}</p>
<p>Email: ${email}</p>
<p>Phone: ${phone}</p>
<p>Password: ${password}</p>
<h1>Hello ${username}!</h1>
<p>Thank you for creating an account with Hardware
Aashram. Your password is: ${password}</p>
<p>If you have any questions or concerns, please do not
hesitate to contact us at support@hardwareaashram.com.</p>
`;
};

// Insert form data into database
const sql = `INSERT INTO users (username, email, phone,
password) VALUES ('${username}', '${email}', '${phone}',
'${password}')`;

connection.query(sql, function(error, results, fields) {
  if (error) throw error;
```

```

        console.log('Form data saved to database!');
    });

    // Send email
    transporter.sendMail(mailOptions, (error, info) => {
        if (error) {
            console.log(error);
            res.status(500).send('Error sending email');
        } else {
            console.log('Email sent: ' + info.response);
            res.status(200).send('Email sent successfully');
        }
    });
    // Redirect to the previous page
    res.redirect('back');
});

});

```

Screenshots:

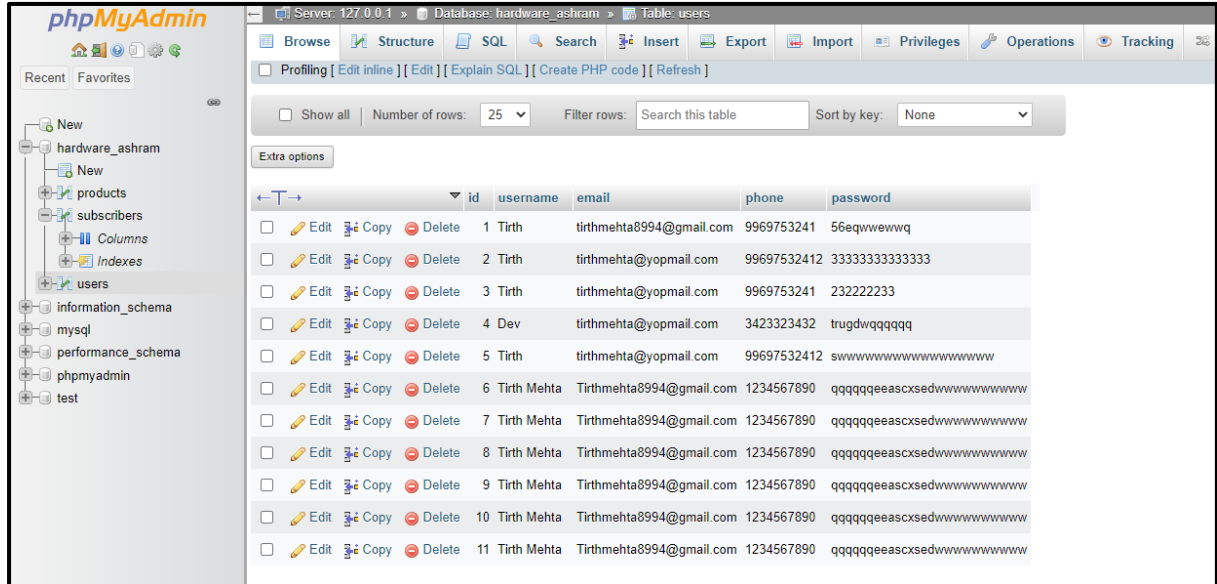
Verification when entering incorrect password

```

{"errors":[{"value":"ewww","msg":"Password must be at least 6 characters","param":"password","location":"body"}]}

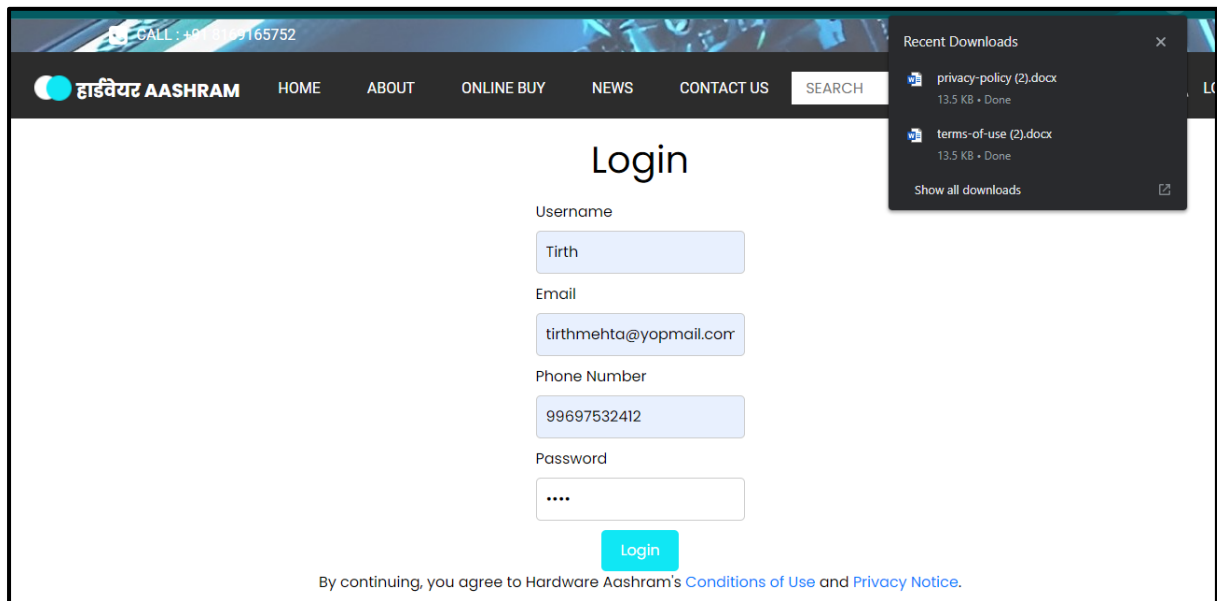
```

2. Login details of the user dynamically stored in database

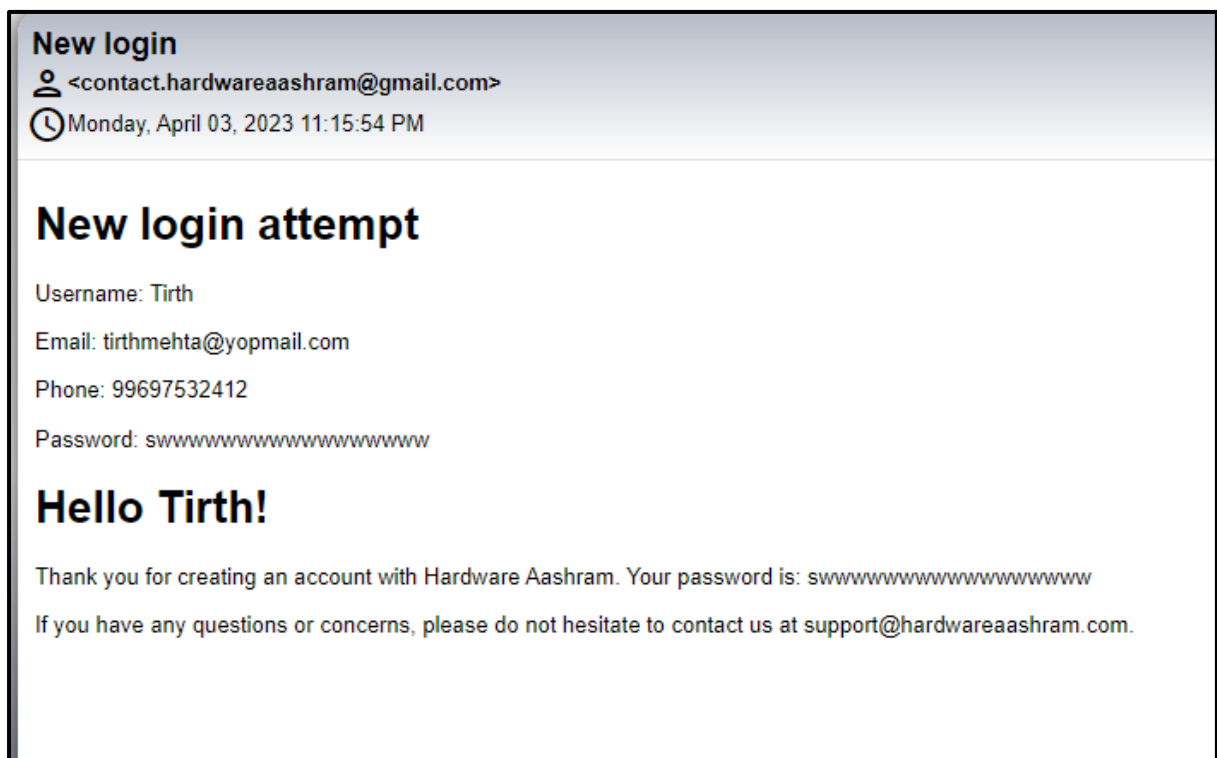


	id	username	email	phone	password
<input type="checkbox"/>	1	Tirth	tirthmehta8994@gmail.com	9969753241	56eqwwewwq
<input type="checkbox"/>	2	Tirth	tirthmehta@yopmail.com	99697532412	33333333333333
<input type="checkbox"/>	3	Tirth	tirthmehta@yopmail.com	9969753241	23222223
<input type="checkbox"/>	4	Dev	tirthmehta@yopmail.com	3423323432	trugdwqqqqqq
<input type="checkbox"/>	5	Tirth	tirthmehta@yopmail.com	99697532412	swwwwwwwwwwwww
<input type="checkbox"/>	6	Tirth Mehta	Tirthmehta8994@gmail.com	1234567890	qqqqqqeeascxsedwww
<input type="checkbox"/>	7	Tirth Mehta	Tirthmehta8994@gmail.com	1234567890	qqqqqqeeascxsedwww
<input type="checkbox"/>	8	Tirth Mehta	Tirthmehta8994@gmail.com	1234567890	qqqqqqeeascxsedwww
<input type="checkbox"/>	9	Tirth Mehta	Tirthmehta8994@gmail.com	1234567890	qqqqqqeeascxsedwww
<input type="checkbox"/>	10	Tirth Mehta	Tirthmehta8994@gmail.com	1234567890	qqqqqqeeascxsedwww
<input type="checkbox"/>	11	Tirth Mehta	Tirthmehta8994@gmail.com	1234567890	qqqqqqeeascxsedwww

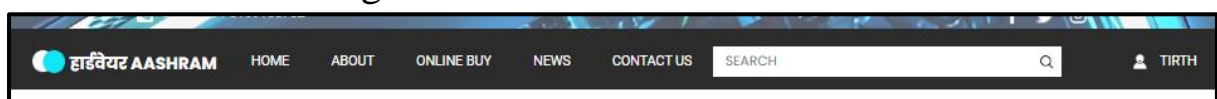
3. Privacy policy and Terms of conditions of the website given



4. Mail sent to user with the login details



5. After successful login



Implementation of search bar

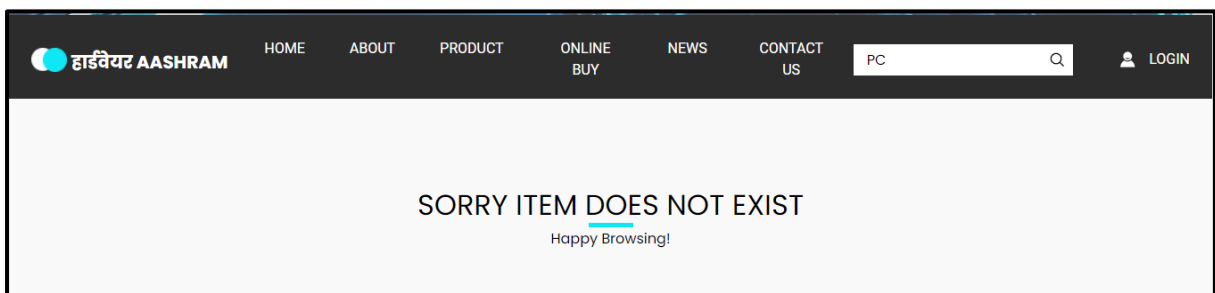
Code:

```
app.get('/search', (req, res) => {
  const searchTerm = req.query.q;
  const url = ''; // fetched from render

  request(url, (error, response, html) => {
    if (!error && response.statusCode == 200) {
      const $ = cheerio.load(html);
      const results = [];

      $('a').each(function() {
        const href = $(this).attr('href');
        if (href.includes(searchTerm)) {
          const text = $(this).text();
          results.push({ text, href });
        }
      });

      res.json({ results });
    } else {
      res.status(500).json({ error: 'Internal Server Error'
    });
  });
});
```



Subscribing and un-subscribing for Newsletter

Code:

```
const transporter1 = nodemailer.createTransport({
  host: 'smtp.gmail.com',
  port: 587,
  secure: false, // true for 465, false for other ports
  auth: {
    user: 'contact.hardwareaashram@gmail.com', // your email
    address
    pass: 'uenrtqhcwchunhg' // your email password or API
    token
  }
});
```

```
const path1 = require('path');
const unsubscribePath = path1.join(__dirname, 'views',
'pages', 'unsubscribe.ejs');

// define the email options
let mailOptions1 = {
  from: 'contact.hardwareaashram@gmail.com',
  to: "", // use the email submitted through the subscription
form
  subject: 'Newsletter and Promotions',
  html: `
```



```
function addSubscriberToDB(email) {
  connection.query('INSERT INTO subscribers SET ?', {
    email_add: email }, (error, results, fields) => {
    if (error) throw error;
    console.log('New subscriber added to database:', email);
  });
}

// remove subscriber email from database
function removeSubscriberFromDB(email) {
  connection.query('DELETE FROM subscribers WHERE email_add =
?', email, (error, results, fields) => {
    if (error) throw error;
    console.log('Subscriber removed from database:', email);
  });
}

// send mail with defined transport object and add subscriber
to database
function sendNewsletter(email) {
  // update the "to" field in mailOptions with the
subscriber's email
  mailOptions1.to = email;

  transporter1.sendMail(mailOptions1, (error, info) => {
    if (error) {
      console.log(error);
    } else {
      console.log('Message sent: %s', info.messageId);
    }
  });
}

// handle form submission
app.post('/subscribe', (req, res) => {
  const email = req.body.email;

  // update the "to" field in mailOptions with the
subscriber's email
  mailOptions1.to = email;

  // add subscriber to database
  addSubscriberToDB(email);

  // send newsletter immediately
  sendNewsletter(email);

  // send response to client
  res.send('Thank you for subscribing!');

  // send newsletter periodically after every 10 days
```

```
const intervalId = setInterval(() => {
  sendNewsletter(email);
}, 10 * 24 * 60 * 60 * 1000); // 10 days in milliseconds

// store interval id for future use
intervals[email] = intervalId;
});
// handle unsubscribe request
app.get('/unsubscribe', (req, res) => {
  const email = req.query.email;

  // remove subscriber from database
  removeSubscriberFromDB(email);

  // clear periodic newsletter sending for the email
  clearInterval(intervals[email]);
  delete intervals[email];

  // send email to unsubscribed email address
  // define the transporter object
  const transporter1 = nodemailer.createTransport({
    host: 'smtp.gmail.com',
    port: 587,
    secure: false, // true for 465, false for other ports
    auth: {
      user: 'contact.hardwareaashram@gmail.com', // your email
      address
      pass: 'uenrtqhcvwchunjg' // your email password or API
      token
    }
  });

  // handle form submission
  app.post('/subscribe', (req, res) => {
    // ...
  });

  // handle unsubscribe request
  app.get('/unsubscribe', (req, res) => {
    const email = req.query.email;

    // remove subscriber from database
    removeSubscriberFromDB(email);

    // clear periodic newsletter sending for the email
    clearInterval(intervals[email]);
    delete intervals[email];

    // send email to unsubscribed email address
    let mailOptions1 = {
```

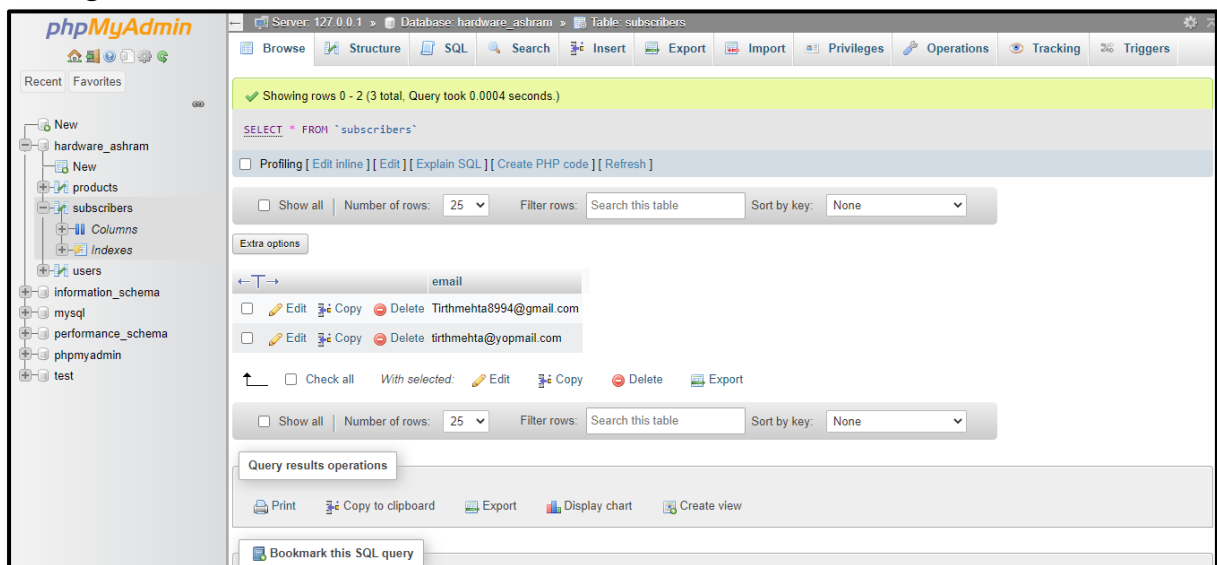
```

    from: 'contact.hardwareaashram@gmail.com', // Sender
address
    to: email, // Receiver address
    subject: 'Unsubscription Confirmation', // Subject line
    html: `
        <h1>You have been unsubscribed</h1>
        <p>You have been unsubscribed from the Hardware Aashram
newsletter and promotions. We're sorry to see you go.</p>
        <p>If you have any feedback or suggestions for
improvement, please let us know by replying to this email.</p>
        <p>Best regards,<br>The Hardware Ashram Team</p>
    `,
    attachments: [
        {
            filename: 'logo.png', // name of the attached file
            path: './logo.png' // path to the attached file
        }
    ]
};

transporter1.sendMail(mailOptions1, (error, info) => {
    if (error) {
        console.log(error);
    } else {
        console.log('Unsubscribe message sent: %s',
info.messageId);
    }
});

// send response to client
res.send('You have been unsubscribed from the newsletter.');
```

Saving subscriber data in database



Sending newsletter

Dear Subscriber,

Greetings from Hardware Ashram! We're excited to share our latest newsletter with you, which includes updates on new processors, and some exclusive promotions that we think you'll love!

Here are some of the highlights:

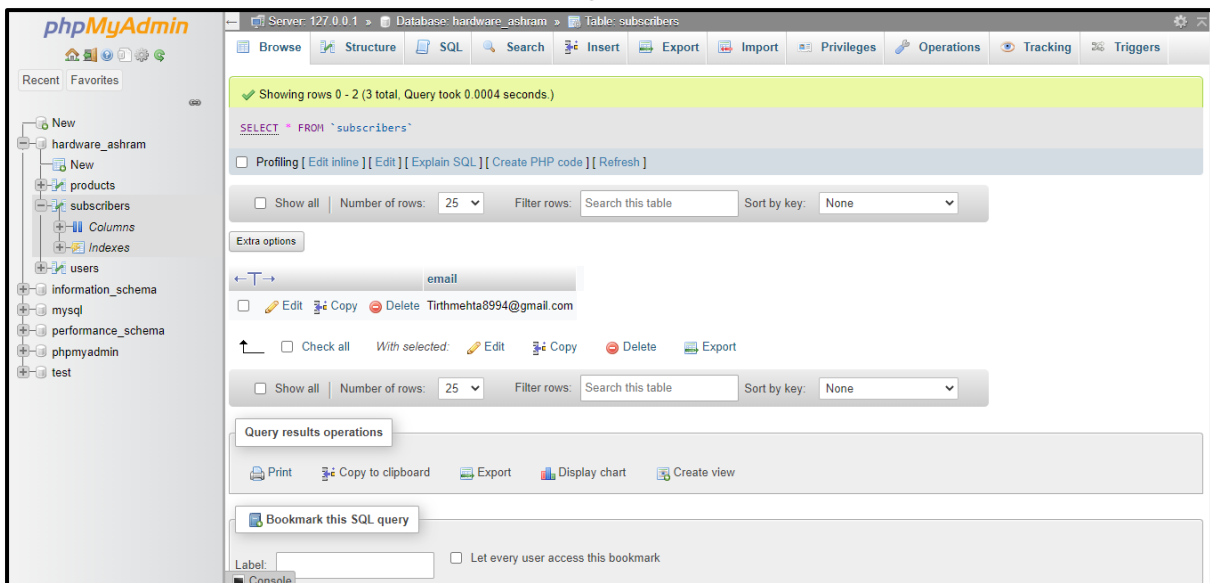
- Up to 20% off on all processors in our inventory.
- Free shipping on all orders over \$100.
- Special discounts on bulk purchases of processors.

Please find attached our latest newsletter, which includes more information about these promotions and other exciting news in the world of processors. We hope you enjoy reading it!

If you have any questions or comments, please don't hesitate to contact us. And if you'd like to unsubscribe from our newsletter, simply click the "Unsubscribe" button below.

Best regards,
The Hardware Ashram Team

Their mail removed when unsubscribing



Conclusion:

In conclusion, the Hardware Aashram website is a well-designed and developed E-commerce platform that specializes in selling computer hardware, particularly processors. The website is built using a full stack technology stack, which makes it robust, reliable, and user-friendly. The website has a search bar, detailed product descriptions, images, and reviews, which enables customers to make informed decisions when purchasing processors. Additionally, the website is developed using responsive design principles, which ensures that it can be accessed on a range of devices, including desktops, laptops, tablets, and smartphones. Overall, Hardware Aashram provides customers with a convenient and secure way to purchase computer processors online.