PROJECT REPORT ON
E-commerce

SUBMITTED BY:

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DECLARATION

We would like to express my special thanks of gratitude to my project guide Ms. Ruchi Talwar mam who gave us the golden opportunity to do this wonderful project on the topic Gadget Duniya(E-commerce website), which also helped us in doing a lot of research and we came to know about so many new things we are really thankful to them.

Secondly, we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame.

Candidate's Names:

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CERTIFICATE

This is to certify that the above statements made by the candidates are correct to

the best of my/our knowledge and belief.

Project Supervisor

Ms. Ruchi Talwar

(Technical Trainer)

Table of Content

INTRODUCTION

E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace.

The objective of this project is to develop a general purpose e-commerce store where any kind of product can be bought from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with an online shopping for baby product.

An online store is a virtual store on the Interne where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as bKash, or Cash on Delivery. An e-mail notification is sent to the customer as soon as the order is placed.

Web:

Web development refers to the process of creating websites on the Internet.

The term "web development" is relatively broad in its application. You could create a single website page from a wix template, or you could painstakingly develop a massive website with thousands of original pages — and technically, both of those would count as web development.

Now a day's web development is the thing which is in boost.

TECHNOLOGY USED

HTML:

HTML is an acronym which stands for Hyper Text Markup Language which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page.

Hyper Text: Hyper Text simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. Hyper Text is a way to link two or more web pages (HTML documents) with each other.

Markup language: A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links, etc.

Web Page: A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified by entering an URL. A Web page can be of the static or dynamic type. With the help of HTML only, we can create static web pages.

CSS:

CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.

BOOTSTRAP:

o Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website.

o It is absolutely free to download and use.

o It is a front-end framework used for easier and faster web development. o It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others. o It can also use JavaScript plug-ins. o It facilitates you to create responsive designs

JAVASCRIPT:

JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc. — you can bet that JavaScript is probably involved. It is the third layer of the layer cake of standard web technologies.

is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else.

What is even more exciting however is the functionality built on top of the client-side JavaScript language. So-called **Application Programming Interfaces** (**APIs**) provide you with extra superpowers to use in your JavaScript code.

FIREBASE:

The Firebase Realtime Database is a cloud-hosted database. Data is stored as JSON and synchronized in realtime to every connected client. When you build cross-platform apps with our Apple platforms, Android, and JavaScript SDKs, all of your clients share one Realtime Database instance and automatically receive updates with the newest data.

Instead of typical HTTP requests, the Firebase Realtime Database uses data synchronization—every time data changes, any connected device receives that update within milliseconds. Provide collaborative and immersive experiences without thinking about networking code.

Firebase apps remain responsive even when offline because the Firebase Realtime Database SDK persists your data to disk. Once connectivity is reestablished, the client device receives any changes it missed, synchronizing it with the current server state.

The Firebase Realtime Database can be accessed directly from a mobile device or web browser; there's no need for an application server. Security and data validation are available through the Firebase Realtime Database Security Rules, expression-based rules that are executed when data is read or written.

SYSTEM REQUIREMENTS

Software Requirement-

To build application –

- 64-bit Windows 8/10/11

- HTML, CSS

- JavaScript and its Libraries

- Firebase Database

- Visual Studio code (latest version).

To Run Website –

- Web Browsers (chrome, Mozilla)

Hardware Requirement –

- x86_64 CPU architecture; 2nd generation Intel Core or newer

- 8 GB RAM or more

- 8 GB of available disk space minimum

IMPLEMENTATION

Final Code:

HomePage:

```html
<!DOCTYPE html>

<html lang="en">

 <head>

   <meta charset="UTF-8" />

   <meta http-equiv="X-UA-Compatible" content="IE=edge" />

   <meta name="viewport" content="width=device-width, initial-scale=1.0" />

   <link rel="stylesheet" href="./css/style1.css" />

   <title>Gadget Duniya</title>

   <link rel="icon" href="./images/lego-10.png" type="image/icon type">

 </head>


 <!-- bootstrap 5 cdn -->

 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">


 <!-- icon iconic cdn -->

 <script type="module" src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></script>

 <script nomodule src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script>


<!-- font awesome cdn -->

<link href="https://use.fontawesome.com/releases/v5.7.2/css/all.css" rel="stylesheet" />


 <!-- style css -->

 <link rel="stylesheet" href="./styles/style.css">

 <link rel="stylesheet" href="./styles/responsive-style.css">

 <link rel="stylesheet" href="./styles/header.css">
```

```html
<link rel="stylesheet" href="./styles/cart.css">


<body>
  <header id="full_nav ">
    <div class="header">
      <div class="container">
        <nav id = "navvvv" class="navbar navbar-expand-lg">
          <div class="container-fluid">
            <img src="./images/lego-10.png" alt="" srcset="" height="120px" width="120px"> <!-- logo-->
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation"  style="color: red;">
              <!-- <span class="navbar-toggler-icon"></span> -->
              <ion-icon class="navbar-toggler-icon" name="menu-outline"></ion-icon>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
              <ul class="navbar-nav mx-auto">
                <li class="nav-item">
                  <a class="nav-link active" aria-current="page" href="./index.html">Home</a>
                </li>
                <li class="nav-item">
                  <a class="nav-link" href="./about.html">About Us</a>
                </li>
                <li class="nav-item">
                  <a class="nav-link" href="./cities.html">Cities</a>
                </li>
                <!-- <li class="nav-item">
                  <a class="nav-link" href="#">Gallery</a>
                </li> -->
                <li class="nav-item">
                  <a class="nav-link" href="#C1">Contacts</a>
                </li>
              </ul>
```

```html
        <!-- <a class="navbar-brand me-4 mt-1" href="#"><ion-icon class="bag " name="bag-handle-
outline"></ion-icon></a> -->


        <div class="iconShopping">

         <p>0</p>

         <a class="navbar-brand me-4 mt-1" href="#"><ion-icon class="bag " name="bag-handle-
outline"></ion-icon></a>

        </div>



        <div class="nav-item mt-3 mt-lg-0">

         <!-- <a class="main-btn ordernow" href="./login.html">Login</a> -->

         <form class="form-inline my-2 my-lg-0">

          <ul class="navbar-nav mr-auto">

           <li class="nav-item active">

             <a id="userlink" class="main-btn nav-link me-2" href=""></a>

           </li>

           <li class="nav-item active">

             <a id="signoutlink" class="main-btn nav-link" href=""></a>

           </li>

          </ul>

         </form>

        </div>

       </div>

      </div>

     </nav>

    </div>

   </div>

  </header>


  <section class="banner_section">

   <div class="container">

     <div id="banner-carousel" class="carousel carousel-dark slide" data-bs-ride="carousel">
```

```html
        <div class="carousel-inner">

          <div class="carousel-item active" data-bs-interval="2000">
            <div class="picture"><img src="./images/yeep.png" alt="" srcset=""></div>
            <div class="carousel-caption">
              <div class="banner-content">
                <h1>Do you need Gadgets?</h1>
                <h3>Order right now!</h3>
                <p>Whenever, wherever. one stop for all your tech needs!!</p>
                <a href="./cities.html" class="btn main-btn">ALL Cities</a>
              </div>
            </div>
          </div>
          <div class="carousel-item" data-bs-interval="2000">
            <div class="picture"><img src="./images/cta-banner.png" alt="" srcset=""></div>
            <div class="carousel-caption">
              <div class="banner-content">
                <h1>Best Gadgets for you!</h1>
                <h3>Good Gadgets for Easy Life</h3>
                <p>Latest tech delivered to your house!!</p>
                <a href="./cities.html" class="btn main-btn">ALL Cities</a>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
</section>
<!-- banner section exit -->


<!-- Features Section start -->
<section class="feature_section">
```

```html
<div class="container">
  <div class="row">
    <div class="col-6 col-lg-4 col-12 mb-5">
      <div class="card features-box">
        <div class="text-center">
          <div class="features-icon-border">
            <div class="features-icon">
              <img src="./images/instructuion-1.png">
            </div>
          </div>
          <div class="features-text">
            <h3>24/7 Support</h3>
          </div>
        </div>
      </div>
    </div>
    <div class="col-6 col-lg-4 col-12 mb-5">
      <div class="card features-box">
        <div class="text-center">
          <div class="features-icon-border">
            <div class="features-icon">
              <img src="./images/instructuion-2.png">
            </div>
          </div>
          <div class="features-text">
            <h3>Free Shipping</h3>
          </div>
        </div>
      </div>
    </div>
    <div class="col-6 col-lg-4 col-12 mb-5">
      <div class="card features-box">
```

```html
            <div class="text-center">

              <div class="features-icon-border">

                <div class="features-icon">

                  <img src="./images/instructuion-3.png">

                </div>

              </div>

              <div class="features-text">

                <h3>Latest and Trendy</h3>

              </div>

            </div>

          </div>

        </div>

      </div>

  </section>

<!-- Features Section Exit -->

 <!-- section-2 counter -->

 <section id="counter">

  <section class="counter-section">

    <div class="container">

      <div class="row text-center">

        <div class="col-md-3 mb-lg-0 mb-md-0 mb-5">

          <h2>

            <span id="count1"></span>+

          </h2>

          <p>CITIES</p>

        </div>

        <div class="col-md-3 mb-lg-0 mb-md-0 mb-5">

          <h2>

            <span id="count2"></span>+

          </h2>

          <p>TECH STATIONS</p>
```

```
    </div>

    <div class="col-md-3 mb-lg-0 mb-md-0 mb-5">

     <h2>

       <span id="count3"></span>+

      </h2>

      <p>CUSTOMERS</p>

    </div>

    <div class="col-md-3 mb-lg-0 mb-md-0 mb-5">

     <h2>

       <span id="count4"></span>+

      </h2>

      <p>REVIEWS</p>

    </div>

   </div>

  </div>

 </section>

</section>
```

Login Page:

```
<!DOCTYPE html>

<html lang="en">


<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible"

content="IE=edge">

    <meta name="viewport"

content="width-device-width, initial-

scale=1.0">

    <title>Sign up</title>

    <link

href="https://cdn.jsdelivr.net/npm/bootstra
```

```html
p@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet"
    integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8t
T94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW
3" crossorigin="anonymous">
    <link rel="stylesheet"
href="./styles/login.css">

</head>

<body>

  <div class="login">
    <div class="right">

    </div>

    <div class="left">
      <div class="mb-5">
        <h3 class="mb-3">Login</h3>
        <input type="text"
placeholder="Username" id="userInp"
class="form-control mb-3">
        <input type="password"
placeholder="Password" id="passInp"
class="form-control mb-3">
        <div class="custom-control
custom-switch mb-3">
          <input type="checkbox"
class="custom-control-input"
id="customSwitch1">
          <label class="custom-control-
label" for="customSwitch1">Keep me
Logged In</label>
        </div>
```

```html
        <button type="text"
id="sub_btn" class="btn w-100 btn-
outline-primary mb-3">Sign In</button>
        <a href="register.html"
class="badge badge-secondary py-1 w-
100">Want to Create A New
Account?</a>
        <a href="./index.html"
class="badge badge-secondary py-1 w-
100">Go TO Home</a>


      </div>
    </div>
  </div>



  <script type="module"
src="./js/login.js"></script>
</body>
</html>
```

Registration Page:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible"
content="IE=edge">
  <meta name="viewport"
content="width-device-width, initial-
scale=1.0">
  <title>Sign up</title>
```

```html
    <link
href="https://cdn.jsdelivr.net/npm/bootstra
p@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet"
    integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8t
T94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW
3" crossorigin="anonymous">
    <link rel="stylesheet"
href="./styles/login.css">
  <style>
    /* body {
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      width: 100vw;
      margin: 0px;
      background: url(../images/hero-
bg.png);
      background-repeat: no-repeat;
    }

    .badge-secondary {
      background-color: grey;
    } */
  </style>
</head>

<body>
  <div class="login">
    <div class="right">

    </div>
    <div class="left">
      <div class="mb-5">
```

```html
<h3 class="mb-3">Sign
Up</h3>

        <input type="text"
placeholder="Fullname" id="nameInp"
class="form-control mb-3">
        <input type="text"
placeholder="Email" id="emailInp"
class="form-control mb-3">
        <input type="text"
placeholder="Username" id="userInp"
class="form-control mb-3">
        <input type="password"
placeholder="Password" id="passInp"
class="form-control mb-3">
        <button type="text"
id="sub_btn" class="btn w-100 btn-
outline-primary mb-3">Sign Up</button>
        <a href="./login.html"
class="badge badge-secondary py-1 w-
100">Already Have An Account?</a>
```
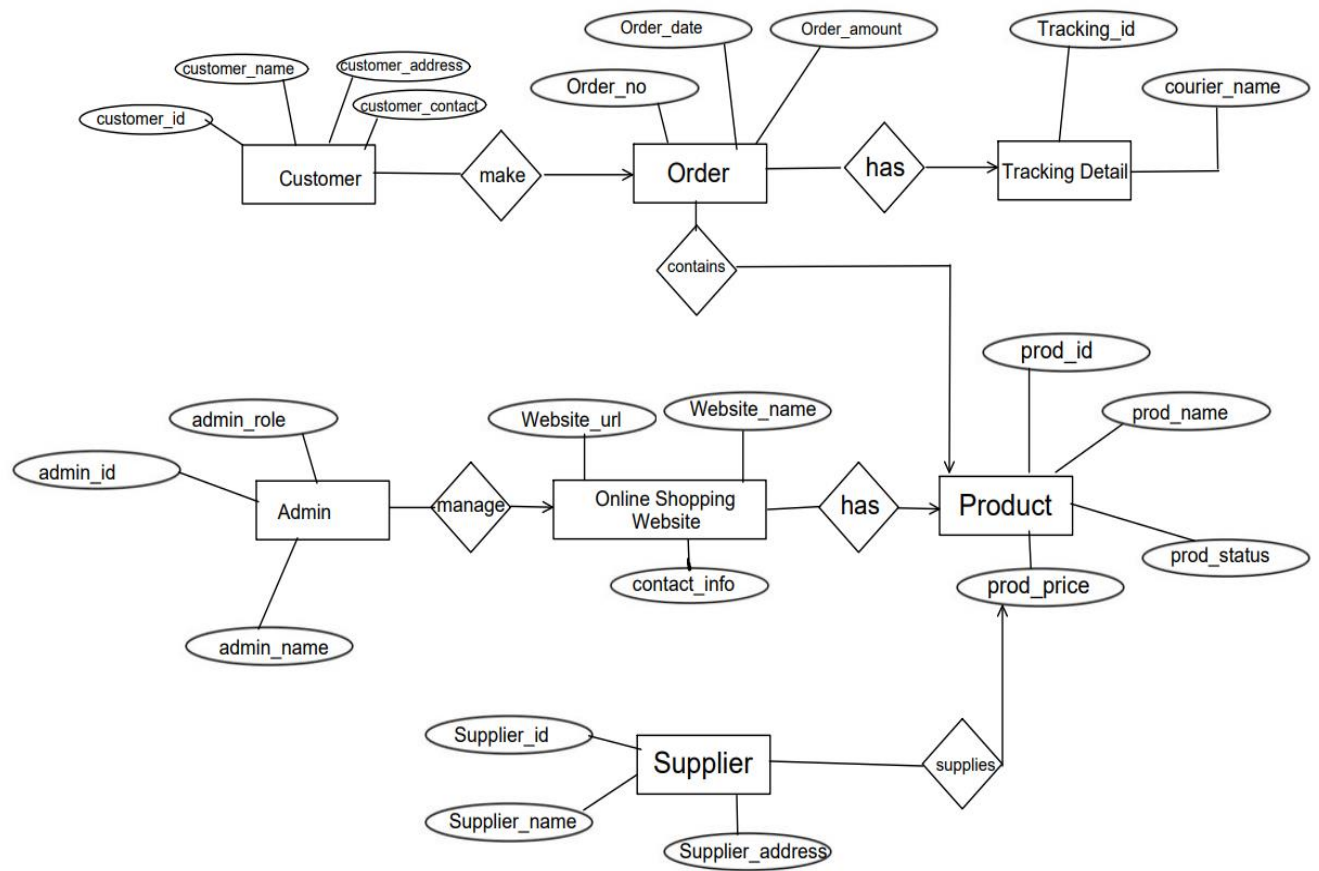
```html
        <a href="./index.html"
class="badge badge-secondary py-1 w-
100">Go TO Home</a>

        </div>
      </div>
    </div>

    <script type="module"
src="./js/register.js"></script>
</body>
</html>
```
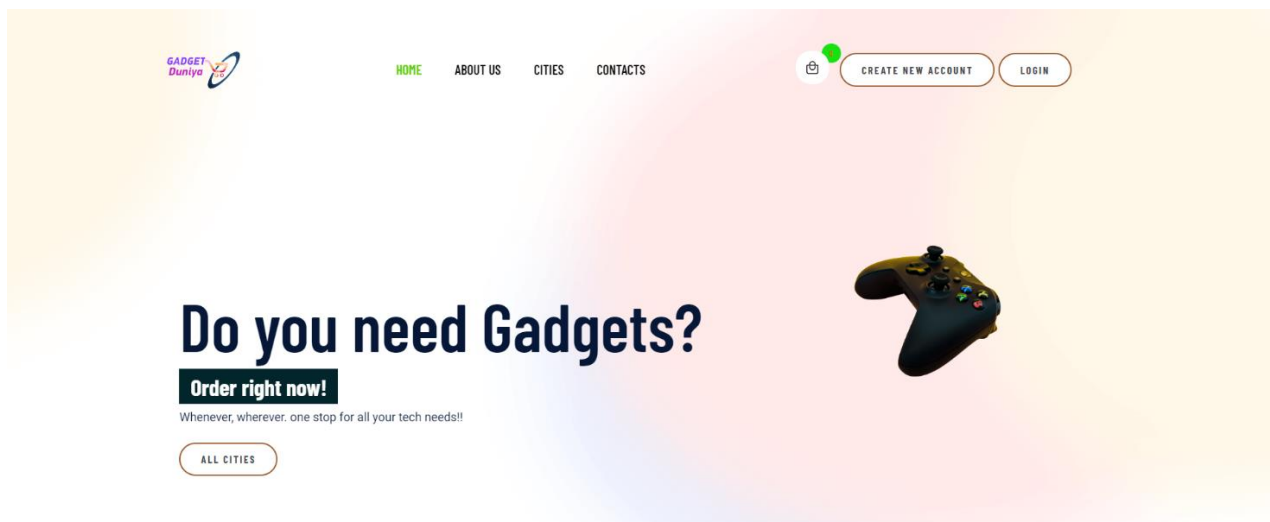
E-R Diagram

WORKING

1. Customer will open the site and will see the home page.
2. On home page we have two options signup and login.
3. Here a new customer can sign up and can create an account, Existed customer can login by entering the desired details.
4. After login, the customer will be directed to the home page of the website, where we have all the options and the information about the website.
5. On click the 'cities' and 'categories' button, customer will be able to select the categories and therefore select the item and add it to the cart.

Our Best Selling Cities

The Passage Experienced A Surge In Popularity During The 1960s When
Again During The 90s As Desktop Publishers

Delhi

Hyderabad

Chennai

Agra

Testimonials

Siddharth Dwivedi

B.Tech 3rd year student
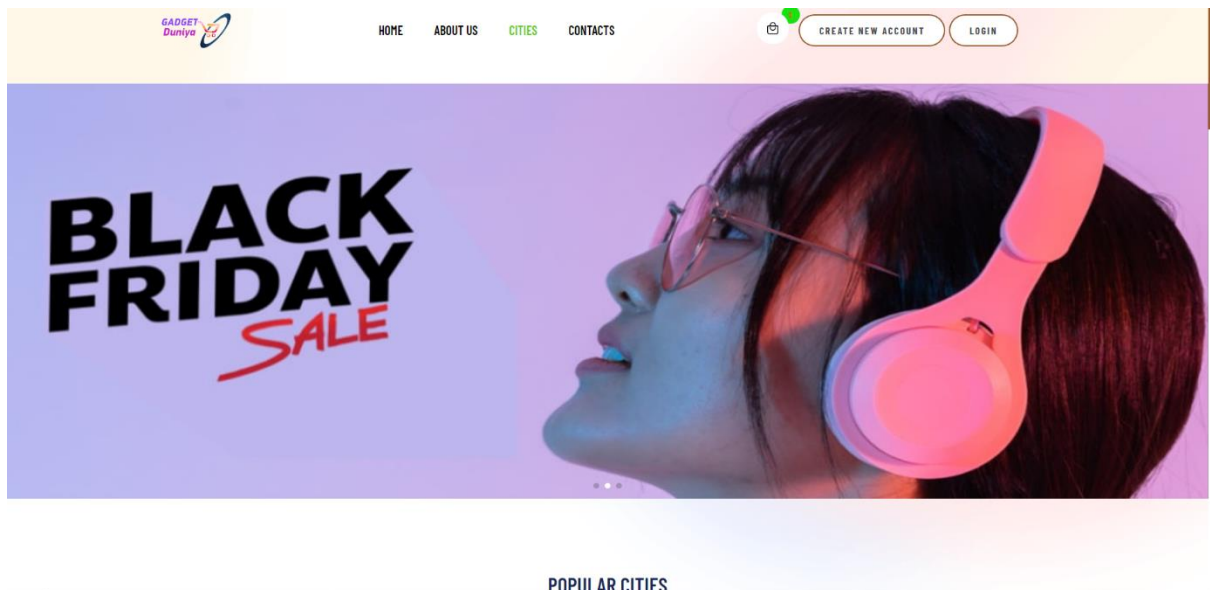
GLA University, Mathura

Sanyam Maheshwari

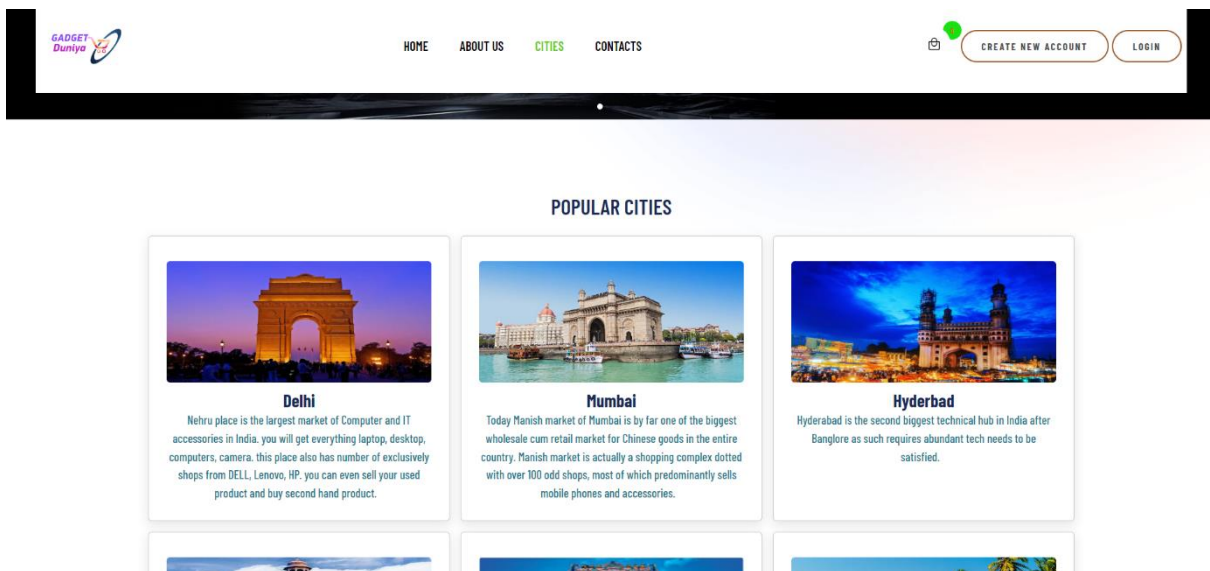B.Tech 3rd year student

GLA University, Mathura

Bhavesh Chandel

B.Tech 3rd year student

GLA University, Mathura

Nikunj Singhal

B.Tech 3rd year student

GLA University, Mathura

OUR WEBSITE IS FULLY RESPONSIVE:-

POPULAR CITIES

Delhi
Nehru place is the largest market of Computer and IT accessories in India. you will get everything laptop, desktop, computers, camera. this place also has number of exclusively shops from DELL, Lenovo, HP. you can even sell your used product and buy second hand product.

Mumbai
Today Manish market of Mumbai is by far one of the biggest wholesale cum retail market for Chinese goods in the entire country. Manish market is actually a shopping complex dotted with over 100 odd shops, most of which predominantly sells mobile phones and accessories.

Hyderbad
Hyderabad is the second biggest technical hub in India after Banglore as such requires abundant tech needs to be satisfied.

GADGET
Duniya

ROG PHONE 6 SERIES

ONE WEAPON TO
RULE THEM ALL

Starting at ₹71,999

Sale Starts Soon

Notify Me

Gadget Categories

Gadget Categories

Mobile

★★★★☆

All-rounder at Lowest Prices

20% OFF

Laptops

★★★★☆

Exclusively For You!

Upto 40% OFF

Earphones

★★★★☆

Limited Time Offer

30% OFF

CONCLUSION AND FUTURE WORK

Conclusion:

As per the goal of this project an attempt is made to show how we can take a business online and also enable users to Order gadgets online following B2C business model.

Gadget Duniya website acts as a platform between user (student or faculties) and sellers of Shopping complex of GLA university to provide tasty and delicious food online. Also, it provides support to sellers to take their business online and grow it.

Future work: -

The scope of gadget ordering in India bloomed during the pandemic. This success can also be the result of increased internet use among our generation.

Many different adaptations, tests, and experiments have been left for the future due to lack of time. The present system is just an interactive UI with user database but Future work concerns with developing an Admin panel and a data base to store products detail with user information.

Github Link:

https://bhavesh883.github.io/Gadget-Duniya/