Government Polytechnic Thane

Vision:

To create competent technical manpower to cater industrial and societal needs.

Computer Engineering Department

Vision

To be a trend setting department in technical education providing highly competent, efficient manpower to meet the ever technology.

Mission

We are committed to –

- To provide an atmosphere for students and faculty to enhance problem solving skills, leadership qualities, team spirit & ethical responsibilities.
- To develop technical & professional skills to face Evolving Challenges and Social Needs through Innovative Learning Process.
- Establish Industry institute interaction program to enhance entrepreneurship skills.
- Enabling the Students to Excel in their Professions and Careers with lifelong learning keeping speedy growth with emerging technology.

Program Educational Objectives (PEOs)

PEO1: Adopt state-of-the-art Computer engineering broad-based technologies to work in multi-disciplinary work environments.

PEO2: Solve broad-based problems individually and as a team member communicating effectively in the world of work.

ASSESSMENT REPORT OF MICRO-PROJECT

CLIENT-SIDE SCRIPTING

CO5I

MAHARASHTRA STATE BOARD

OF TECHNICAL EDUCATION, MUMBAI

Academic Year: **2022-2023**

Department: **Computer Engineering**

Semester: **CO5I**

Course: **Client-Side Scripting**

Course Code: **(22519)**

GOVERNMENT POLYTECHNIC THANE

CERTIFICATE

This is to certify that following Third Year Computer engineering students have successfully and satisfactorily completed their micro project work, entitled “Shopping Cart” in partial fulfilment of the requirement for diploma in Computer Engineering Academic Year 2022-2023.

SUBMITTED BY –

Japsare Ayushi (16)
Narkhede Supriya (17)
Kitke Nitushka (33)
Bhoir Saurabh (52)

Smt. Swati Kharat	Smt. D.P. Sapkal	Dr. N.N. Mhala
Subject Teacher	**H.O.D.**	**PRINCIPAL**

PART - A PLAN

Annexure I

Micro Project Proposal

GROUP NO - **COURSE -** CO5I

TITLE OF PROJECT – Shopping Cart

SUBJECT – Client-Side Scripting

1.0: Brief Introduction:

A shopping cart is the most important component of an eCommerce website. It stores all basic information related to products that customers added to their buying list. An ideal shopping cart comes with all basic features including adding, removing products, calculating price, and locally storing cart information for non-logged users.

2.0: Aim of the Micro-Project:

This JavaScript shopping cart project helps you to quickly find out the best frontend "add-to-cart" functionality for your website.

3.0: Course Outcomes Addressed.

1. Create interactive web pages using program flow control structure.
2. Implement Arrays and functions in Java Script.
3. Create Menus and navigation in web Pages.

4.0 : Action Plan:

Sr.No	Details of activity	Planned start date	Planned finish date	Name of Responsible Team Members
1	Finalized the group members and selection of Micro-Project topic	11/09/2022	17/09/2022	Nitushka Kitke, Ayushi Japsare, Saurabh Bhoir, Supriya Narkhede.
2	Collecting information about the topic of our Micro-Project.	22/09/2022	26/09/2022	Nitushka Kitke, Ayushi Japsare, Saurabh Bhoir, Supriya Narkhede.
3	Preparation of our Micro-project proposal.	27/09/2022	30/09/2022	Nitushka Kitke, Ayushi Japsare, Saurabh Bhoir.
4	Submission of our Micro-project proposal.	17/11/2022	17/11/2022	Nitushka Kitke, Ayushi Japsare, Saurabh Bhoir, Supriya Narkhede.
5	Implementation of the project	20/10/2022	26/10/2022	Nitushka Kitke, Supriya Narkhede.
6	Testing and debuging of the project	27/10/2022	01/11/2022	Nitushka Kitke, Saurabh Bhoir, Supriya Narkhede.
7	Preparation of our micro project report	02/11/2022	08/11/2022	Nitushka Kitke, Ayushi Japsare, Saurabh Bhoir, Supriya Narkhede.
8	Submission of final Microproject.	24/11/2022	24/11/2022	Nitushka Kitke, Ayushi Japsare, Saurabh Bhoir, Supriya Narkhede.

5.0 : Actual Resources used:

Sr. No	Name of resources required	Specifications	Qty	Remarks
1	Computer System with specification	Windows 10 64 bit	1	……
2	Software	Microsoft office 2010	1	……
3	Any other resources used	Google chrome, Visual Studio Code	1	……
4	Pen drive	16 GB	1	.....

6.0: Team Members:

Roll no	Name of students	Enrolment no
16	Japsare Ayushi Sanjay	2001160178
17	Narkhede Supriya Pramod	2001160179
33	Kitke Nitushka Vilas	2001160196
52	Bhoir Saurabh Mangal	2001160216

GOVERNMENT POLYTECHNIC, THANE

Annexure II

MICRO PROJECT

Shopping Cart

SUBJECT: CLIENT-SIDE SCRIPTING

COMPUTER ENGINEERING
GOVERNMENT POLYTECHNIC,
THANE – 400612

2022-2023

Project Report On

Shopping Cart

Submitted in practical fulfilment

Of

the diploma in engineering
(COMPUTER ENGINEERING)
Under the Guidance of

Mrs. Swati Kharat

DEPARTMENT
OF
COMPUTER ENGINEERING

Submitted By

Roll. no	Name of students	Enrollment no
16	Ayushi Japsare	2001160178
17	Supriya Narkhede	2001160179
33	Nitushka Kitke	2001160196
52	Saurabh Bhoir	2001160216

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09	Application	29

1.0 Rationale

A shopping cart is an essential part of a retailer's online store that **streamlines the online shopping experience**. It is software that allows website visitors to select, reserve, and purchase a product or service from an eCommerce interface.

2.0 Aims/Benefits of the Micro-Project

- To learn in depth about JavaScript.
- This micro-project results in, aiming deep knowledge on web page development.

3.0 Course Outcomes Achieved

- Understanding the working of web page development and JS in detail.
- Able to work in group as a team responsibility

4.0 Literature Review

Book: Client Side Scripting (PUBLICATION: techmax)

5.0 Actual Procedure Followed:

We arranged several meetings of the group to discuss the project topic and distributed the work evenly. We made the Home page and Cart page using HTML and CSS. Then to automate the system we made JS functions and gave the page other functionalities such as add to cart, total bill, and clear cart. We also made use of the local storage of the browser to keep the data intact even after refreshing the page. Thus, the whole Shopping Cart Project was completed.

6.0 Actual resources used:

SR NO.	NAME OF RESOURCE	SPECIFICATION	QTY	REMARK
01	Computer System	With basic configuration	1	
02	MS Word	Microsoft office 2010	2	
03	Internet	-	-	
04	Browser	Chrome	-	
05	IDE	Visual Studio Code	1	

7.0 Output of the Micro-project:

Source code-

HTML

index.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>Clothing and Accessories</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.9.1/font/bootstrap-icons.css"> <!link of bootstrap icons>
</head>
<body>
    <div class="navbar">
        <a href="index.html">
            <h2>Clothing and Accessories</h2>
        </a>

        <a href="cart.html">
            <div class="cart">
                <i class="bi bi-cart2"></i>  <!icon of cart took from
getbootstrap icons>
```

```
                <div class="cartAmount" id="cartAmount">0</div> <!initial amount
in cart>
            </div>
        </a>

    </div>

    <div class="shop" id="shop"> <!made id to target it in js>
    </div>



</body>
<script src="data.js"></script>
<script src="main.js"></script>
</html>
```

cart.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>Clothing and Accessories</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.9.1/font/bootstrap-icons.css"> <!link of bootstrap icons>
</head>
<body>
    <div class="navbar">
        <a href="index.html">
            <h2>Clothing and Accessories</h2>
        </a>

        <a href="cart.html">
            <div class="cart">
                <i class="bi bi-cart2"></i>  <!icon of cart took from
getbootstrap icons>
                <div class="cartAmount" id="cartAmount">0</div> <!initial amount
in cart>
            </div>
        </a>

    </div>
```

```
    <div id="label" class="text-center"></div>
    <div class="shopping-cart" id="shopping-cart"></div>
</body>
<script src="data.js"></script>
<script src="cart.js"></script>
</html>
```

CSS

style.css –

```
/*
 !Changing default styles of browser
*/

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body{
    font-family: sans-serif;
}

/*
 ? change cursor at every icon
*/

i{
    cursor: pointer;
}

a{
    text-decoration: none;
    color: white;
}
/*
 ! Navbar styles are here
*/

.navbar
{
    display: flex;    /* ? to display cart icon away from title by making rows or
columns*/
    flex-direction: row;
    justify-content: space-between;
```

```
    align-items: center;
    background-color: #212529;
    color: white;
    padding: 25px 60px; /*padding top-bottom  left-right */
    margin-bottom: 30px;
}

/*
 ! Cart Icon styles are here
*/

.cart
{
    position: relative;  /* ?to position the amount on top of icon*/
    background-color: #fff;
    color: #212529;
    font-size: 30px;
    padding: 5px;
    border-radius: 4px;

}

/*
 ! CartAmount styles are here
*/


.cartAmount{
    position: absolute; /* ?to position the amount on top of icon*/
    top: -15px;
    right: -10px;
    font-size: 16px;
    padding: 3px;
    border-radius: 3px;
    background-color: #f52c1ee8;
    color: white;
}

/*
 ! Shop Items styles are here
*/

.shop{
    display: grid;
    grid-template-columns: repeat(4, 223px);
    gap: 30px;
    justify-content: center;
    margin-bottom: 30px;
```

```
}

/*
 ? To control the items showm according to the browsers width
*/

@media (max-width: 1000px){
    .shop{
        grid-template-columns: repeat(2, 223px);
    }
}

@media (max-width: 500px){
    .shop{
        grid-template-columns: repeat(1, 223px);
    }
}

/*
 ! Items styles are here
*/

.item{
    border: 2px solid #212529;
    border-radius: 4px;
}

.item img{
    border-radius: 2px 2px 0 0;
    width: 100%;
}

.details{
    display: flex;
    flex-direction: column;
    padding: 10px;
    gap: 10px;
}

.price-quantity{
    display: flex;
    flex-direction: row;
    justify-content: space-between;
    align-items: center;
}

.buttons{
```

```
    display: flex;
    flex-direction: row;
    gap: 8px;
    font-size: 18px;
}

.bi-dash-lg{
    color: red;
}

.bi-plus-lg{
    color: green;
}


/**
*! Style for label and some buttons
**/

.text-center{
    text-align: center;
    margin-bottom: 20px;
}

.Homebtn,
.checkout,
.removeAll{
    background-color: #212529;
    color: white;
    border: none;
    padding: 6px;
    border-radius: 3px;
    cursor: pointer;
    margin-top: 10px;
}

.checkout{
    background-color: green;
}

.removeAll{
    background-color: red;
}

.bi-x-lg{
    color: red;
    font-weight: bold;
}
```

```css
/**
*! Style for shopping-cart
**/

.shopping-cart{
    display: grid;
    grid-template-columns: repeat(1,320px);
    justify-content: center;
    gap: 15px;
}

/**
*! Style for cart-item
**/

.cart-item{
    border: 2px solid #212529;
    border-radius: 5px;
    display: flex;
}

.title-price-x{
    width: 198px;
    display: flex;
    align-items: center;
    justify-content: space-between;
}

.title-price{
    display: flex;
    align-items: center;
    gap: 10px;
}

.cart-item-price{
    background-color: #212529;
    color: white;
    padding: 3px 6px;
    border-radius: 4px;
}
```

JAVASCRIPT

main.js –

```
let shop = document.getElementById("shop");

let basket = JSON.parse(localStorage.getItem("data")) || [];

function generateShop()
{
    return (shop.innerHTML = shopItemsData
        .map((x) => {
        let {id,name,price,desc,img}=x;
        let search = basket.find((x)=>x.id===id) || [];
        return  `
        <div id=product-id-${id} class="item">
                <img width="219" height="220" src=${img} alt="">
                <div class="details">
                    <h3>${name}</h3>
                    <p>${desc}</p>
                    <div class="price-quantity">
                        <h2>₹ ${price}</h2>
                        <div class="buttons">
                            <i onclick="decrement(${id})" class="bi bi-dash-
lg"></i> <!icon of minus took from getbootstrap icons>
                            <div id=${id} class="quantity">
                            ${search.item===undefined?0:search.item}
                            </div>
                            <i onclick="increment(${id})" class="bi bi-plus-
lg"></i> <!icon of plus took from getbootstrap icons>

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


        `
    }).join(""));  //map fuction will target all the data one by one
};

generateShop();

function increment(id){
    let selecteditem=id;
    let search= basket.find((x)=> x.id === selecteditem.id);

    if(search === undefined)
```

```
    {
        basket.push({
            id:selecteditem.id,
            item:1,
        });
    }

    else
    {
        search.item += 1;
    }
    update(selecteditem.id);
    localStorage.setItem("data",JSON.stringify(basket));
};

function decrement(id){
    let selecteditem=id;
    let search= basket.find((x)=> x.id === selecteditem.id);
    if(search===undefined) return;
    else if(search.item === 0) return;
    else
    {
        search.item -= 1;
    }
    update(selecteditem.id);
    basket= basket.filter((x)=>x.item !==0);
    localStorage.setItem("data",JSON.stringify(basket));
};

function update(id){
    let search= basket.find((x)=> x.id === id);
    document.getElementById(id).innerHTML = search.item;
    calculation();
};

function calculation(id){
    let cartIcon = document.getElementById("cartAmount");
    cartIcon.innerHTML=(basket.map((x)=>x.item).reduce((x,y)=>x+y,0));
};

calculation();
```

cart.js –

```
let label= document.getElementById("label");
let shoppingCart= document.getElementById("shopping-cart");



let basket = JSON.parse(localStorage.getItem("data")) || [];

function calculation(id){
    let cartIcon = document.getElementById("cartAmount");
    cartIcon.innerHTML=(basket.map((x)=>x.item).reduce((x,y)=>x+y,0));
};

calculation();

function generateCartItems()
{
    if(basket.length !==0){
        return (shoppingCart.innerHTML=basket
            .map((x)=>{
            let {id,item}= x;
            let search = shopItemsData.find((y)=>y.id === id) || [];
            let {img,name,price}= search;
            return `
            <div class="cart-item">
            <img width="100" height="120" src=${img} alt="">
              <div class="details">
                  <div class="title-price-x">
                     <h4 class="title-price">
                       <p>${name}</p>
                       <p class="cart-item-price">₹ ${price}</p>
                     </h4>
                     <i onclick="removeItem(${id})" class="bi bi-x-lg"></i>
                  </div>

                  <div class="buttons">
                       <i onclick="decrement(${id})" class="bi bi-dash-lg"></i>
                       <div id=${id} class="quantity">${item}</div>
                       <i onclick="increment(${id})" class="bi bi-plus-lg"></i>

                  </div>

                  <h3>₹ ${item * search.price}</h3>
              </div>
            </div>
            `
        }).join(""));
```

```
    }
    else{
        shoppingCart.innerHTML=``;
        label.innerHTML=`
        <h2>Cart is Empty</h2>
        <a href="index.html">
        <button class="Homebtn">Back to Home</button>
        </a>
        `;

    }
};

generateCartItems();

function increment(id){
    let selecteditem=id;
    let search= basket.find((x)=> x.id === selecteditem.id);

    if(search === undefined)
    {
        basket.push({
            id:selecteditem.id,
            item:1,
        });
    }

    else
    {
        search.item += 1;
    }
    generateCartItems();
    update(selecteditem.id);
    localStorage.setItem("data",JSON.stringify(basket));
};

function decrement(id){
    let selecteditem=id;
    let search= basket.find((x)=> x.id === selecteditem.id);
    if(search===undefined) return;
    else if(search.item === 0) return;
    else
    {
        search.item -= 1;
    }
    update(selecteditem.id);
```

```
    basket= basket.filter((x)=>x.item !==0);
    generateCartItems();
    localStorage.setItem("data",JSON.stringify(basket));
};

function update(id){
    let search= basket.find((x)=> x.id === id);
    document.getElementById(id).innerHTML = search.item;
    calculation();
    totalAmount();
};

function removeItem(id){
    let selectedItem=id;
    basket=basket.filter((x)=>x.id !== selectedItem.id);
    generateCartItems();
    totalAmount();
    calculation();
    localStorage.setItem("data",JSON.stringify(basket));
};

function clearCart(){
    basket = [];
    generateCartItems();
    calculation();
    localStorage.setItem("data",JSON.stringify(basket));
};

function totalAmount(){
    if(basket.length !==0){
        let amount= basket.map((x)=>{
            let {item,id} =x;
            let search = shopItemsData.find((y)=>y.id === id) || [];
            return item * search.price;
        }).reduce((x,y)=>x+y,0);

        label.innerHTML = `
           <h2>Total Bill : ₹ ${amount}</h2>
           <button class="checkout">Checkout</button>
           <button onclick="clearCart()" class="removeAll">Clear All</button>
        `;
    }
    else return;
};

totalAmount();
```

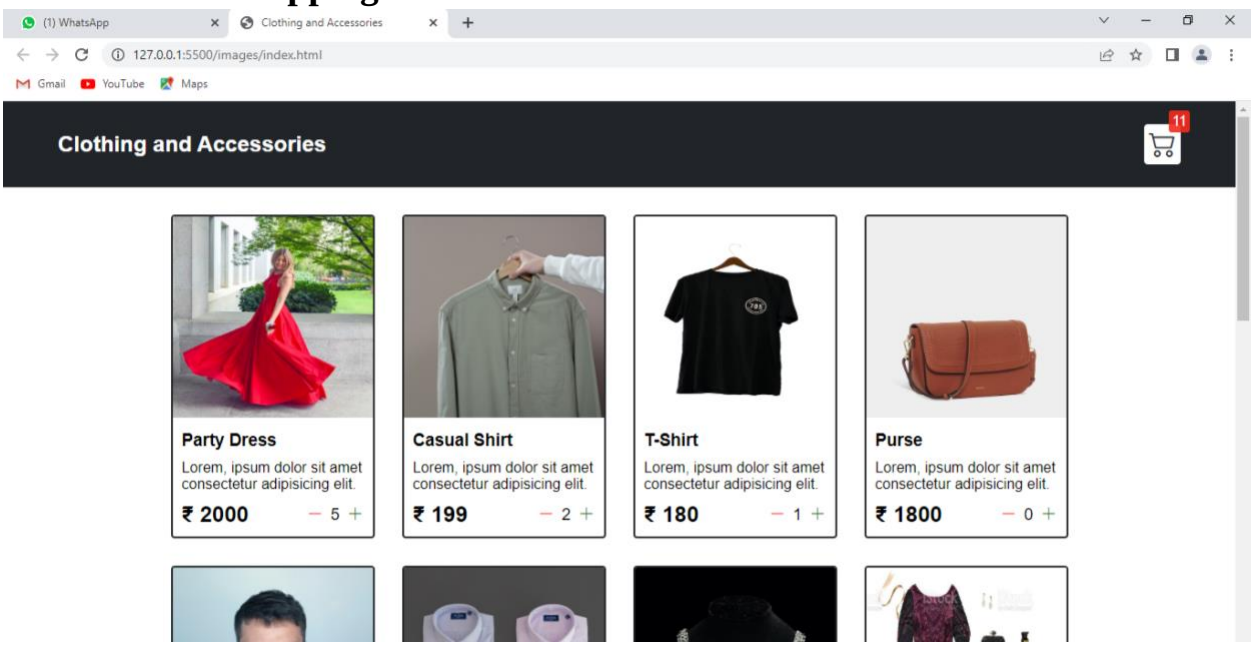
data.js –

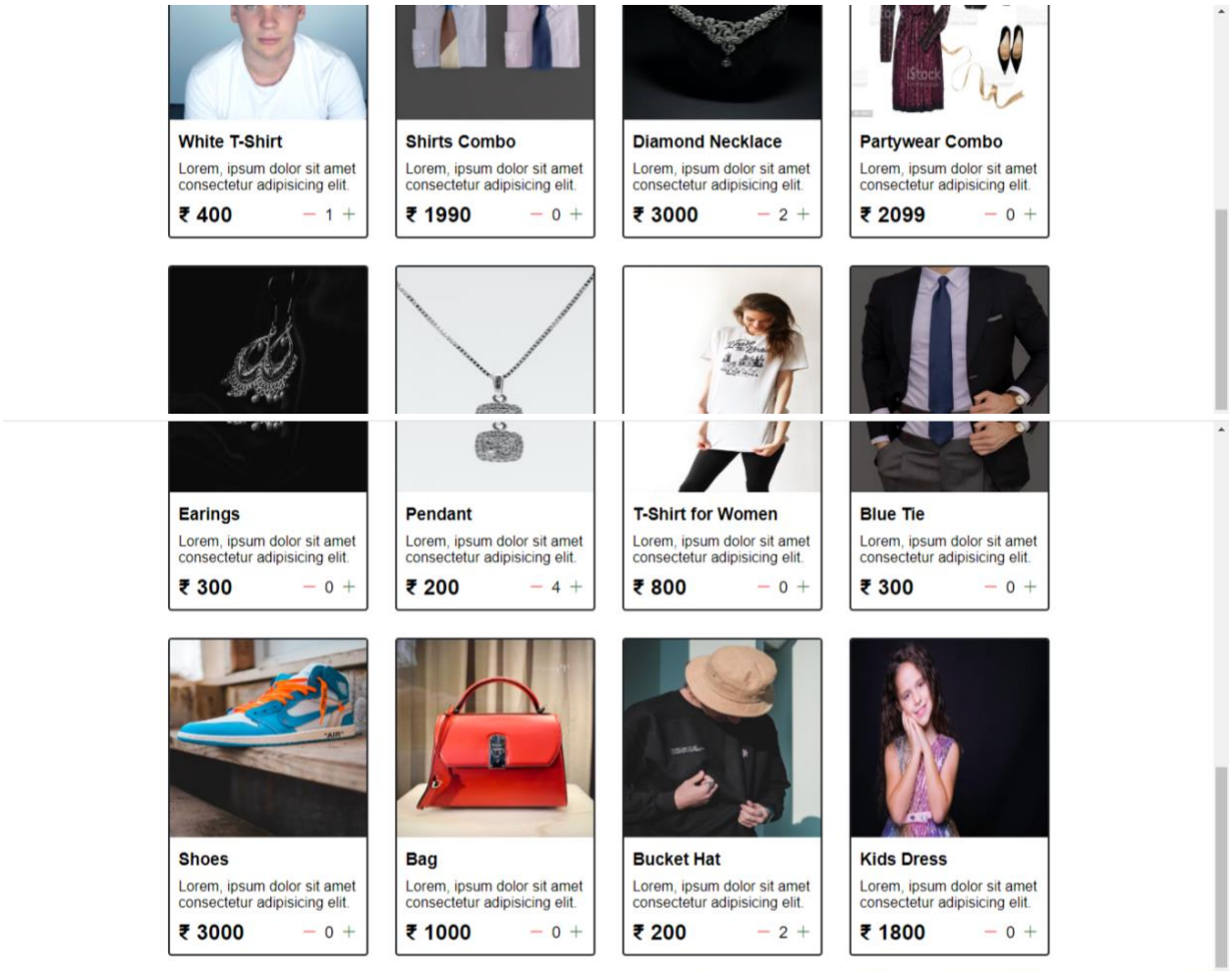
```
let shopItemsData=[{
    id:"ladffnvf",
    name:"Party Dress",
    price: 2000,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"image13.jpg"
},
{
    id:"ljdsgrnv",
    name:"Casual Shirt",
    price: 199,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"img-1.jpg"
},
{
    id:"fdfnrihgn",
    name:"T-Shirt",
    price: 180,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"image15.jpg"
},
{
    id:"fdbvfdbr",
    name:"Purse",
    price: 1800,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"bag.jpg"
},
{
    id:"afjknvu",
    name:"White T-Shirt",
    price: 400,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"img-3.jpg"
},
{
    id:"kdnvrinv",
    name:"Shirts Combo",
    price: 1990,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"img-2.jpg"
},
{
    id:"kdnvrifcfr",
    name:"Diamond Necklace",
    price: 3000,
```

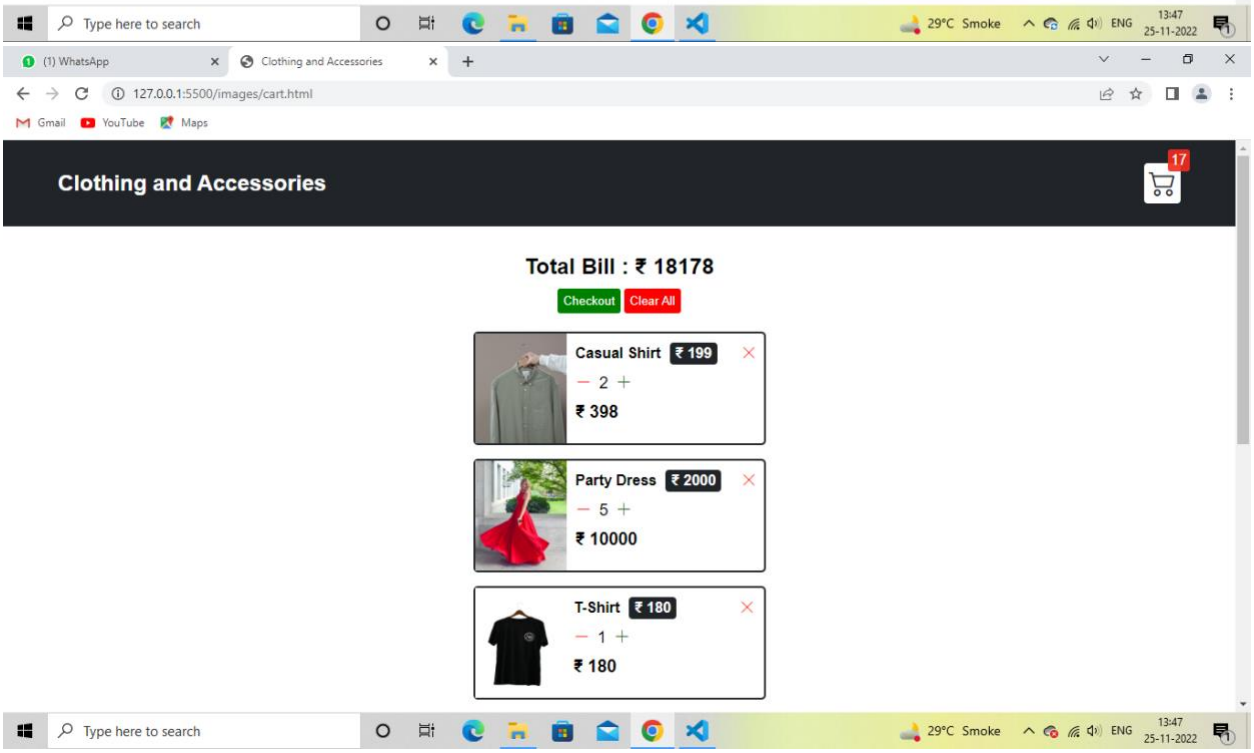
```
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"image19.jpg"
},
{
    id:"knvrosnlvd",
    name:"Partywear Combo",
    price: 2099,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"image16.jpg"
},
{
    id:"rnronfwlasf",
    name:"Earings",
    price: 300,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"image17.jpg"
},
{
    id:"eywngvtkoigh",
    name:"Pendant",
    price: 200,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"image18.jpg"
},
{
    id:"owqprefdnkvac",
    name:"T-Shirt for Women",
    price: 800,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"tshirt.jpg"
},
{
    id:"lanfoweifncv",
    name:"Blue Tie",
    price: 300,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"tie.jpg"
},
{
    id:"oregdvnlsn",
    name:"Shoes",
    price: 3000,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"shoes.jpg"
},
{
    id:"alruenfvri",
```

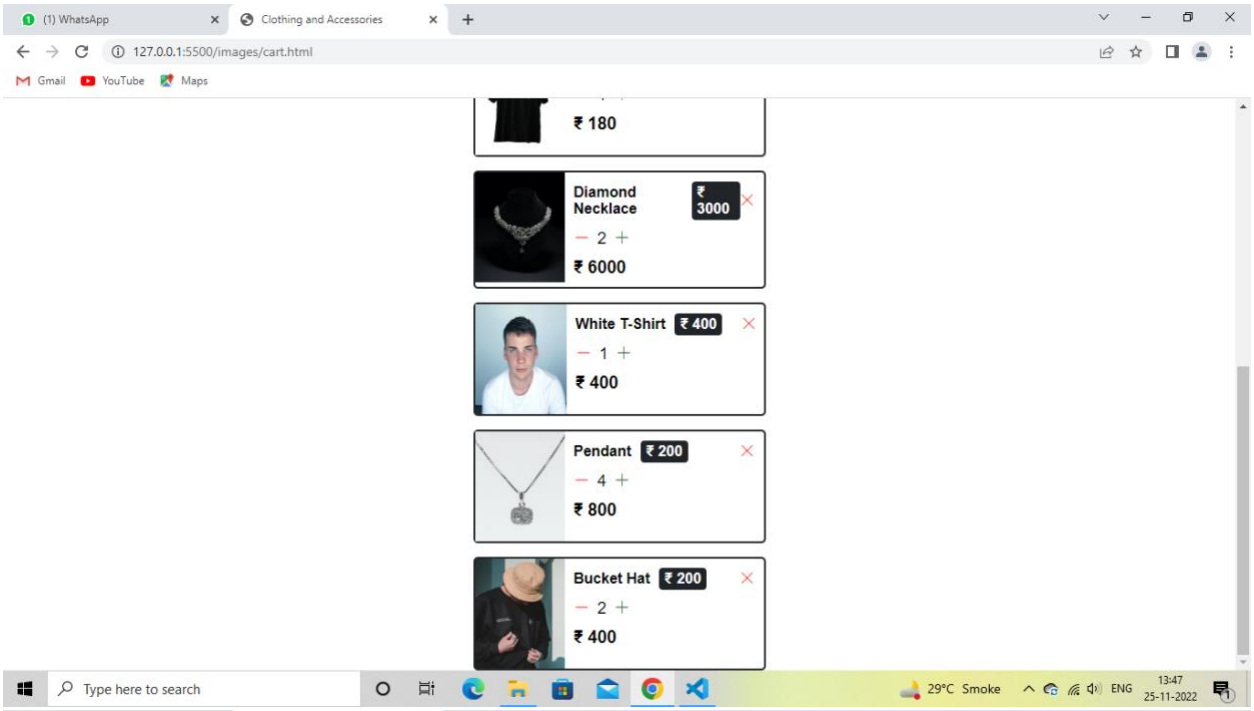
```
    name:"Bag",
    price: 1000,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"purse.jpg"
},
{
    id:"1ksdfeinv",
    name:"Bucket Hat",
    price: 200,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"bucket.jpg"
},
{
    id:"fdbvfdbr",
    name:"Kids Dress",
    price: 1800,
    desc:"Lorem, ipsum dolor sit amet consectetur adipisicing elit.",
    img:"image12.jpg"
}
];
```

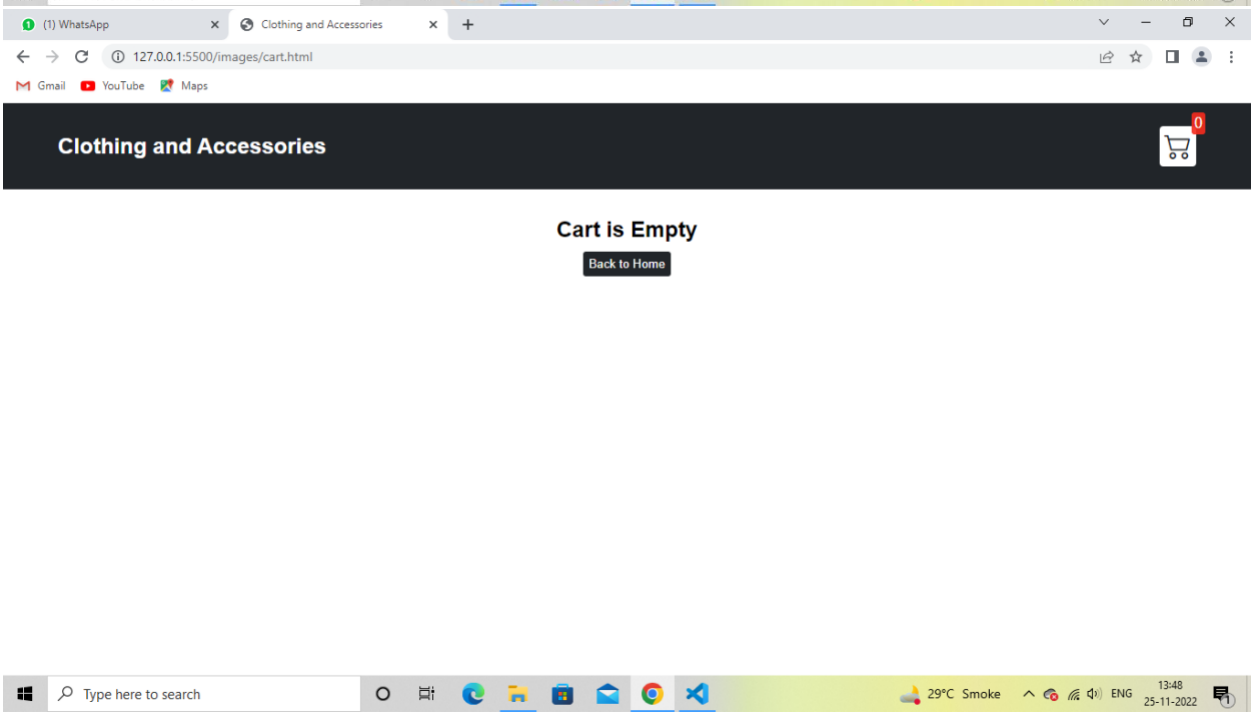
Screenshot of Shopping Cart-




White T-Shirt
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 400 − 1 +
Shirts Combo
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 1990 − 0 +
Diamond Necklace
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 3000 − 2 +
Partywear Combo
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 2099 − 0 +
Earings
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 300 − 0 +
Pendant
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 200 − 4 +
T-Shirt for Women
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 800 − 0 +
Blue Tie
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 300 − 0 +
Shoes
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 3000 − 0 +
Bag
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 1000 − 0 +
Bucket Hat
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 200 − 2 +
Kids Dress
Lorem, ipsum dolor sit amet consectetur adipisicing elit.
₹ 1800 − 0 +


Type here to search
29°C Smoke
ENG
13:47
25-11-2022
(1) WhatsApp
Clothing and Accessories
127.0.0.1:5500/images/cart.html
Gmail
YouTube
Maps
Clothing and Accessories
17
Total Bill : ₹ 18178
Checkout
Clear All
Casual Shirt ₹ 199
− 2 +
₹ 398
Party Dress ₹ 2000
− 5 +
₹ 10000
T-Shirt ₹ 180
− 1 +
₹ 180


(1) WhatsApp
Clothing and Accessories
127.0.0.1:5500/images/cart.html
Gmail
YouTube
Maps
₹ 180
Diamond Necklace
₹ 3000
2
₹ 6000
White T-Shirt
₹ 400
1
₹ 400
Pendant
₹ 200
4
₹ 800
Bucket Hat
₹ 200
2
₹ 400
Type here to search
29°C Smoke
ENG
13:47
25-11-2022


(1) WhatsApp
Clothing and Accessories
127.0.0.1:5500/images/cart.html
Gmail
YouTube
Maps
Clothing and Accessories
0
Cart is Empty
Back to Home
Type here to search
29°C Smoke
ENG
13:48
25-11-2022

8.0 Skill developed/Learning outcome of this Micro-project:

- This micro-project helped us to develop our JS programming skills.
- It also helped in developing our logic and integrating the different files of HTML, CSS, and JS together to create bug-free project.
- It gave us an idea about how web pages work and how to improve its look and feel.

9.0 Application of this Micro-project:

- Users can store products in a cart.
- Allows users to add/remove products to/from the cart.
- Provides plus/minus buttons to increase/decrease products quantity.
- Counts and displays total price.
- Uses local storage to save cart data so that even if the user refreshes the page data is not lost.

Annexure IV

Evaluation Sheet for the Micro Project

NAME OF STUDENT:

ROLL NO:

NAME OF PROGRAMME: COMPUTER ENGINEERING
SEMESTER: FIFTH

COURSE TITLE: CLIENT-SIDE SCRIPTING
COURSE CODE: 22519
TITLE OF THE MICRO PROJECT: SHOPPING CART

COURSE OUTCOMES ACHIEVED:

…….
…….
…….
…….
…….

Sr. No	Characteristic to be assessed	Poor (Marks 1-3)	Average (Marks 4-5)	Good (Marks 6-8)	Excellent (Marks 9-10)	Sub Total
(A) Process and Product Assessment (convert above total marks out of 6 Marks)						
1	Relevance to the course					
2	Literature Review/information collection					
3	Completion of the Target as per project proposal					
4	Analysis of Data and representation					
5	Quality of Prototype/Model					
6	Report Preparation					
(B) Individual Presentation/Viva (convert above total marks out of 4 Marks)						
7	Presentation					
8	Viva					

Enroll No.	Name	(A) Process and Product Assessment (6 Marks)	(B) Individual Presentation/Viva (4 Marks)	Total Marks10

Comments/Suggestions about team work/leadership/inter personal communication (if any):
Any other comment: ----------

Name and designation of the faculty member: Smt. Swati Kharat(Lecturer) ----------

Signature: ----------