



JEPPIAAR INSTITUTE OF TECHNOLOGY

SELF BELIEF / SELF DISCIPLINE / SELF RESPECT

KUNNAM, SUNGUVARCHATRAM, SRIPERUMBUDUR, CHENNAI - 631 604



DEPARTMENT OF INFORMATION TECHNOLOGY

IT3511-FULL STACK WEB DEVELOPMENT

NAME :

REG NO. :

YEAR :

SEMESTER :

BRANCH :

JEPPIAAR INSTITUTE OF TECHNOLOGY

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BONAFIDE CERTIFICATE

This is a certified Bonafide Record Work of Mr./Ms. _____

Register No. _____ submitted for the Anna University Practical Examination held on _____ in **IT3511-FULL STACK WEB DEVELOPMENT LABORATORY** during the year 2023-2024.

Signature of the Lab In-charge

Head of the Department

Internal Examiner

External Examiner

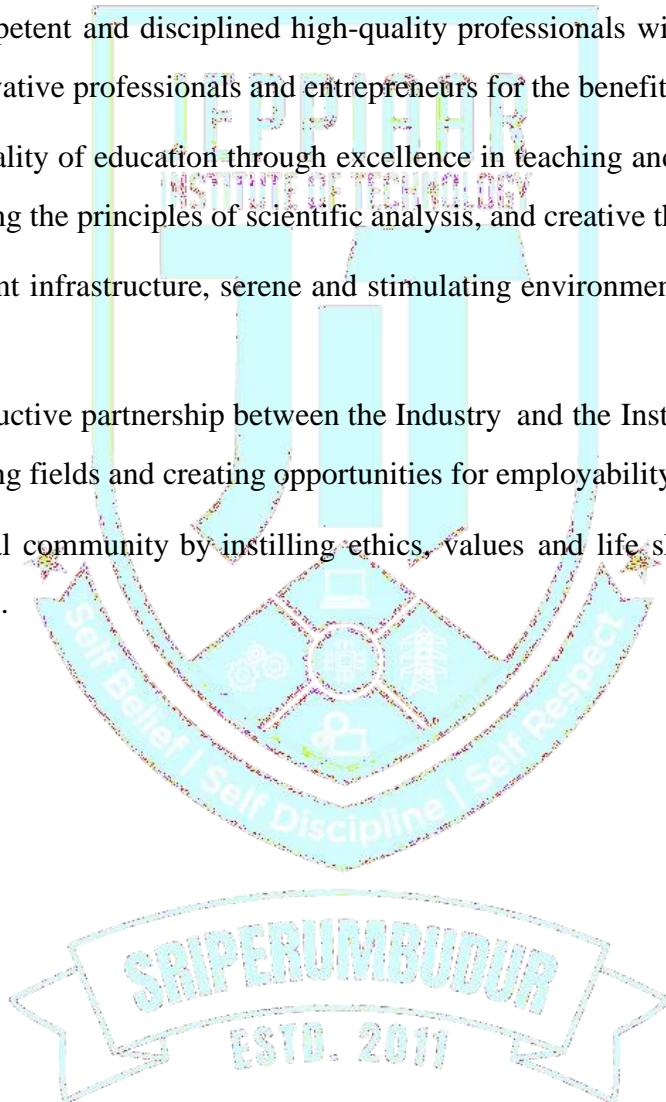
Date _____

VISION OF THE INSTITUTION

Jeppiaar Institute of Technology aspires to provide technical education in futuristic technologies with the perspective of innovative, industrial and social application for the betterment of humanity.

MISSION OF THE INSTITUTION

- To produce competent and disciplined high-quality professionals with the practical skills necessary to excel as innovative professionals and entrepreneurs for the benefit of the society.
- To improve the quality of education through excellence in teaching and learning, research, leadership and by promoting the principles of scientific analysis, and creative thinking.
- To provide excellent infrastructure, serene and stimulating environment that is most conducive to learning.
- To strive for productive partnership between the Industry and the Institute for research and development in the emerging fields and creating opportunities for employability.
- To serve the global community by instilling ethics, values and life skills among the students needed to enrich their lives.



VISION OF THE DEPARTMENT

The department will be an excellent centre to impart futuristic and innovative technological education to facilitate the evolution of problem-solving skills along with knowledge application in the field of Information Technology, understanding industrial and global requirements and societal needs for the benefit of humanity.

MISSION OF THE DEPARTMENT

M1: Produce competent and high-quality professional computing graduates in software development considering global requirements and societal needs thereby maximizing employability.

M2: Enhance evolution of professional skills and development of leadership traits among the students by providing favorable infrastructure and environment to grow into successful entrepreneurs.

M3: Training in multidisciplinary skills needed by Industries, higher educational institutions, research establishments and Entrepreneurship.

M4: Impart Human Values and Ethical Responsibilities in professional activities.

PEO's OF THE DEPARTMENT

- Provided with a fundamental knowledge in Science, mathematics and computing skills for creative and innovative application.
- Enabled students competent and employable by providing excellent Infrastructure to learn and contribute for the welfare of the society.
- To channelize the potentials of the students by offering state of the art amenities to undergo research and higher education.
- To evolve computing engineers with multi-disciplinary understanding and maximize Job Opportunities.
- To facilitate students, obtain profound understanding nature and social requirements and grow as professionals with values and integrity.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- **Engineering knowledge:** Apply the knowledge of mathematics, science, Engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PROGRAM SPECIFIC OUTCOMES

- Students are able to analyze, design, implement and test any software with the programming and testing skills they have acquired.
- Students are able to design and develop algorithms for real time problems, scientific and business applications through analytical, logical and problems solving skills.
- Students are able to provide security solution for network components and data storage and management which will enable them to work efficiently in the industry

ANNA UNIVERSITY SYLLABUS

LIST OF EXPERIMENTS

1. Develop a portfolio website for yourself which gives details about yourself for a potential recruiter.
2. Create a web application to manage the TO-DO list of users, where users can login and manage their to-do items
3. Create a simple micro blogging application (like twitter) that allows people to post their content which can be viewed by people who follow them.
4. Create a food delivery website where users can order food from a particular restaurant listed in the website.
5. Develop a classifieds web application to buy and sell used products.
6. Develop a leave management system for an organization where users can apply different types of leaves such as casual leave and medical leave. They also can view the available number of days.
7. Develop a simple dashboard for project management where the statuses of various tasks are available. New tasks can be added and the status of existing tasks can be changed among Pending, InProgress or Completed.
8. Develop an online survey application where a collection of questions is available and users are asked to answer any random 5 questions.

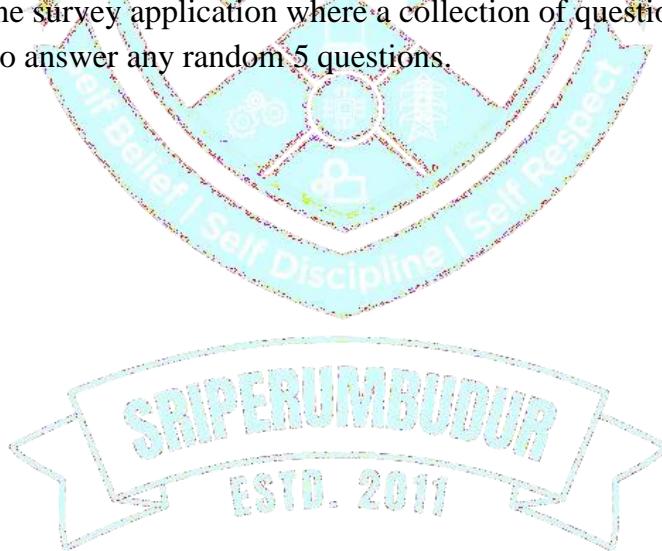


TABLE OF CONTENTS

S.No.	DATE	TITLE OF THE PROGRAM	MARK	SIGN.
1		Portfolio Web application for a potential recruiter.		
2		Web application to create a TO-DO list using React.		
3		A simple micro-blogging web application like twitter.		
4		Food delivery web application		
5		Classifieds web application to buy/sell products		
6		Web application for leave management system for an organization.		
7		Web application to create a simple dashboard for projectmanagement		
8		Online survey web application for users.		



INDEX

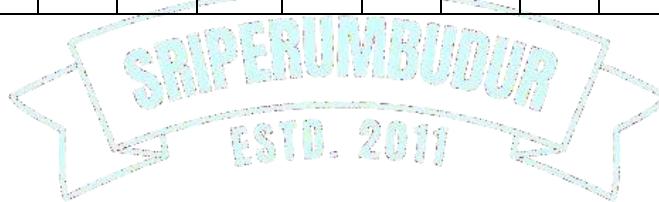
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CO-PO MAPPING

Course Outcome No.	Course Outcome	Highest Cognitive Level
CO308.1	Design full stack applications with clear understanding of user interface, business logic and data storage.	K2
CO308.2	Design and develop user interface screens.	K3
CO308.3	Implement the functional requirements using appropriate tool.	A3
CO308.4	Perform task as an individual and / or team member to manage the task in time	A3
CO308.5	Integrate all the necessary components of the application.	A3

Course No.	Level of CO	Program Outcomes												Program Specific Outcomes		
		K3	K4	K4	K5	K3, K5, K6	A3	A2	A3	A3	A3	A3	A2	PSO-1	PSO-2	PSO-3
		PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12			
CO308.1	K2	3	3	3	1	3	1	1	1	2	1	1	1	2	2	1
CO308.2	K3	3	3	3	2	3	1	1	1	2	1	1	1	2	2	1
CO308.3	A3	3	3	3	3	3	1	1	1	2	1	1	1	2	2	1
CO308.4	A3	3	3	3	3	3	2	1	1	1	1	1	2	1	1	2
CO308.5	A3	3	3	3	3	2	1	1	1	1	1	1	1	2	2	1



EXP NO:1

Develop A Portfolio Website For Yourself Which Gives Details About Yourself For A Potential Recruiter.

AIM:

To develop a portfolio website that describes the information about personal details for potential recruiter

ALGORITHM:

1. Start the Program
2. Write the content inside <body> tag
3. Using unordered list some of the tabs such as Home, About, Projects, Education, Skills, Contact etc. are created
4. The style properties are created in separate sheet in the name of “style.css”
5. Style.css is linked with this index sheet using <href>
6. Run the program

Index.html

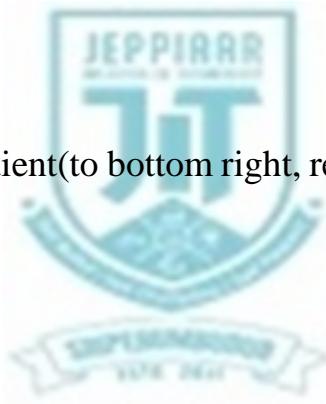
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Portfolio</title>
<link rel="stylesheet" href="style.css" />
</head>
<body>
<header>
<h1>Vishwaharan - Portfolio</h1>
</header>
<nav>
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="about.html">About</a></li>
<li><a href="projects.html">Projects</a></li>
<li><a href="Education.html">Education</a></li>
<li><a href="Skills.html">Skills</a></li>
<li><a href="Contact.html">Contact</a></li>
</ul>
</nav>
<br>
<center>

</center>
```

```
</body>  
</html>
```

Style.css

```
body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
    background-color: #f1f1f1;  
}  
  
header {  
    background-color: red;  
    background-image: linear-gradient(to bottom right, red, yellow);  
    color: #fff;  
    padding: 20px;  
    text-align: center;  
}  
  
nav {  
    background-color: red;  
    background-image: linear-gradient(to bottom right, red, yellow);  
    color: #fff;  
    padding: 10px;  
    text-align: center;  
}  
  
nav ul {  
    list-style-type: none;  
    margin: 0;  
    padding: 0;  
}  
  
nav ul li {  
    display: inline-block;  
    margin-right: 10px;  
}  
  
nav ul li a {  
    color: #fff;  
    text-decoration: none;  
    padding: 5px 10px;  
}  
  
.container {  
    max-width: 800px;  
    margin: 0 auto;
```



```
padding: 20px;  
background-color: #fff;  
}  
  
h1 {  
    text-align: center;  
    margin-bottom: 20px;  
}  
  
.profile-image {  
    display: block;  
    margin: 0 auto;  
    width: 200px;  
    height: 200px;  
    border-radius: 50%;  
    object-fit: cover;  
    object-position: center;  
}  
  
.details {  
    margin-top: 20px;  
}  
  
.details p {  
    margin-bottom: 10px;  
}  
  
.details p strong {  
    font-weight: bold;  
}  
  
.skills {  
    margin-top: 20px;  
}  
  
.skills ul {  
    list-style-type: none;  
    padding: 0;  
}  
  
.skills li {  
    display: inline-block;  
    margin-right: 10px;  
    margin-bottom: 10px;  
    padding: 5px 10px;  
    background-color: #ccc;  
    border-radius: 3px;  
}
```



Skills.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Portfolio</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <header>
        <h1>Vishwaharan - Portfolio</h1>
    </header>
    <br>
    <div class="container">
        <section id="about">
            <h2>Skills</h2>
            <ul>
                <li>HTML</li><br>
                <li>CSS</li><br>
                <li>JavaScript</li><br>
                <li>Python</li><br>
                <li>Java</li>
            </ul>
        </div>
    </section>
    </div>
</body>
</html>
```



Projects.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Portfolio</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <header>
        <h1>Vishwaharan - Portfolio</h1>
    </header>
    <div class="container">
        <section id="about">
```

```

<h2>Projects</h2>
<h3><b>Driver Drowsiness System</b></h3>
<p>Driver drowsiness detection is a car safety technology which helps prevent accidents caused by the driver getting drowsy.
</p>
</div>
</section>
</div>
</body>
</html>

```

Education.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
<title>Portfolio</title>
<link rel="stylesheet" href="style.css" />
</head>
<body>
<header>
<h1>Vishwaharan - Portfolio</h1>
</header>
<br>
<div class="container">
<section id="about">
<h2>Education</h2>
<p><b>Higher Studies :</b></p>
<p>Chevalier Academy and Matriculation School</p>
<p><b>Degree in Information Technology :</b></p>
<p>PSNA College Of Engineering and Technology</p>
</div>
</section>
</div>
</body>
</html>

```



Contact.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
<title>Portfolio</title>
<link rel="stylesheet" href="style.css" />

```

```
</head>
<body>
  <header>
    <h1>Vishwaharan - Portfolio</h1>
  </header>
  <br>
  <div class="container">
    <section id="about">
      <h2>Contact Me :</h2>
      <ul>
        <li>Email: vishwaharan002@gmail.com</li><br>
        <li>Phone: 6385872619</li><br>
        <li>LinkedIn: https://www.linkedin.com/in/vishwaharan-m-b57481227</li>
      </ul>
    </div>
  </section>
</div>
</body>
</html>
```



OUTPUT:

The screenshot shows a website with a header bar at the top featuring a gradient from orange to yellow. The header contains the title "Vishwaharan - Portfolio" and a navigation menu with links for Home, About, Projects, Education, Skills, and Contact. Below the header is a large, dark silhouette of a person wearing glasses and a collared shirt, centered on the page.

The screenshot shows the "About Me" section of the website. The title "Vishwaharan - Portfolio" is visible at the top. The "About Me" section contains a brief introduction about the author, Vishwaharan M, stating he is a student with skills in Web Development, Java, and Python. It also lists his hobbies: Cricket, Listening Music, Watching Movies, and Traveling.

About Me

Hello! I'm Vishwaharan M, a passionate and dedicated student. I have honed my skills in **Web Development**, **Java** and **Python**. With a strong foundation in these technologies, I strive to create exceptional digital experiences that are both visually stunning and highly functional.

Hobbies

- Cricket
- Listening Music
- Watching Movies
- Traveling

RESULT:

Thus the script to create website portfolio has been executed successfully.

EXP NO: 2

Create a web application to manage the TO-DO list of users, where user can login and manage their to-do items.

AIM:

To create a web application to manage the TO-DO list of users, where users can login and manage their to-do items.

ALGORITHM:

1. Start the Program
2. Write the content inside <body> tag
3. Using the Login.html file, the login page for todo list is created
4. Using the Todo.html file, the todo_list page is created
5. Use Media Queries to make the website portable for various devices
6. The style properties are created inside the html file using <style> tag
7. Run the program

Login.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>Login page in HTML</title>
<style>
body
{
font-family:sans-serif;
background: -webkit-linear-gradient(to right, #155799, #159957);
background: linear-gradient(to right, #155799, #159957);
color:whiteSmoke;
}
h1{
    text-align: center;
}
form{
    width:35rem;
    margin: auto;
    color:whiteSmoke;
    backdrop-filter: blur(16px) saturate(180%);
    -webkit-backdrop-filter: blur(16px) saturate(180%);
    background-color: rgba(11, 15, 13, 0.582);
    border-radius: 12px;
```



```
border: 1px solid rgba(255, 255, 255, 0.125);
padding: 20px 25px;
}
input[type=text], input[type=password]{
width: 100%;
margin: 10px 0;
border-radius: 5px;
padding: 15px 18px;
box-sizing: border-box;
}
input[type=button] {
background-color: #030804;
color: white;
padding: 14px 20px;
border-radius: 5px;
margin: 7px 0;
width: 100%;
font-size: 18px;
}
.headingsContainer{
text-align: center;
}
.headingsContainer p{
color: gray;
}
.mainContainer{
padding: 16px;
}
.subcontainer{
display: flex;
flex-direction: row;
align-items: center;
justify-content: space-between;
}
.subcontainer a{
font-size: 16px;
margin-bottom: 12px;
}
span.forgotpsd a {
float: right;
color: whitesmoke;
padding-top: 16px;
}
.forgotpsd a{
color: rgb(74, 146, 235);
}
.forgotpsd a:link{
```



```

    text-decoration: none;
}
.register{
    color: white;
    text-align: center;
}
.register a{
    color: rgb(74, 146, 235);
}
.register a:link{
    text-decoration: none;
}
@media screen and (max-width: 600px) {
    form{
        width: 25rem;
    }
}

```

```

    @media screen and (max-width: 400px) {
        form{
            width: 20rem;
        }
    }

```

</style>

</head>

<body>

<h1>TO-DO List</h1>

</center>

<form action="">

<div class="headingsContainer">

<h3>Sign in</h3>

<p>Sign in with your username and password</p>

</div>

<div class="mainContainer">

<label for="username">Your username</label>

<input type="text" placeholder="Enter Username" name="username" >

<label for="pswrd">Your password</label>

<input type="password" placeholder="Enter Password" name="pswrd" >

<div class="subcontainer">

<p class="forgotpsd">Forgot Password?</p>

</div>

<input type="button" onClick="parent.location='todo.html'" value='Login'>

</div>

</form>

</body>

```
</html>
```

Todo.html :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Simple To Do List</title>
  <link
    href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;500&display=swap"
    rel="stylesheet">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.2/css/all.min.css">
  <style>
    *,
    *:before,
    *:after{
      padding: 0;
      margin: 0;
      box-sizing: border-box;
    }
    body{
      height: 100vh;
      color: #111111;
      background: -webkit-linear-gradient(to right, #155799, #159957);
      background: linear-gradient(to right, #155799, #159957);
    }
    .container{
      width: 40%;
      min-width: 450px;
      position: absolute;
      margin: auto;
      left: 0;
      right: 0;
      top: 30px;
      padding: 30px 40px;
    }
    #newtask{
```



```
position: relative;  
background-color: #ffffff;  
padding: 30px 20px;  
border-radius: 5px;  
box-shadow: 0 15px 30px rgba(0,0,0,0.3);  
}  
  
#newtask input{  
width: 70%;  
width: 70%;  
height: 45px;  
font-family: 'Poppins',sans-serif;  
font-size: 15px;  
border: 2px solid #d1d3d4;  
padding: 12px;  
color: #111111;  
font-weight: 500;  
position: relative;  
border-radius: 5px;  
}  
  
#newtask input:focus{  
outline: none;  
border-color: #8052ec;  
}  
  
#newtask button{  
position: relative;  
float: right;  
width: 20%;  
height: 45px;  
border-radius: 5px;  
font-family: 'Poppins',sans-serif;  
font-weight: 500;  
font-size: 16px;  
background-color: #8052ec;  
border: none;  
color: #ffffff;  
cursor: pointer;  
outline: none;  
}  
  
#tasks{  
background-color: #ffffff;
```



```

padding: 30px 20px;
margin-top: 60px;
border-radius: 10px;
box-shadow: 0 15px 30px rgba(0,0,0,0.3);
width: 100%;
position: relative;
}

.task{
background-color: #ffffff;
height: 50px;
padding: 5px 10px;
margin-top: 10px;
display: flex;
align-items: center;
justify-content: space-between;
border-bottom: 2px solid #d1d3d4;
cursor: pointer;
}

.task span{
font-family: 'Poppins',sans-serif;
font-size: 15px;
font-weight: 400;
}

.task button{
background-color: #8052ec;
color: #ffffff;
height: 100%;
width: 40px;
border-radius: 5px;
border: none;
cursor: pointer;
outline: none;
}

.completed{
text-decoration: line-through;
}

</style>
</head>
<body>
<div class="container">
<div id="newtask">

```

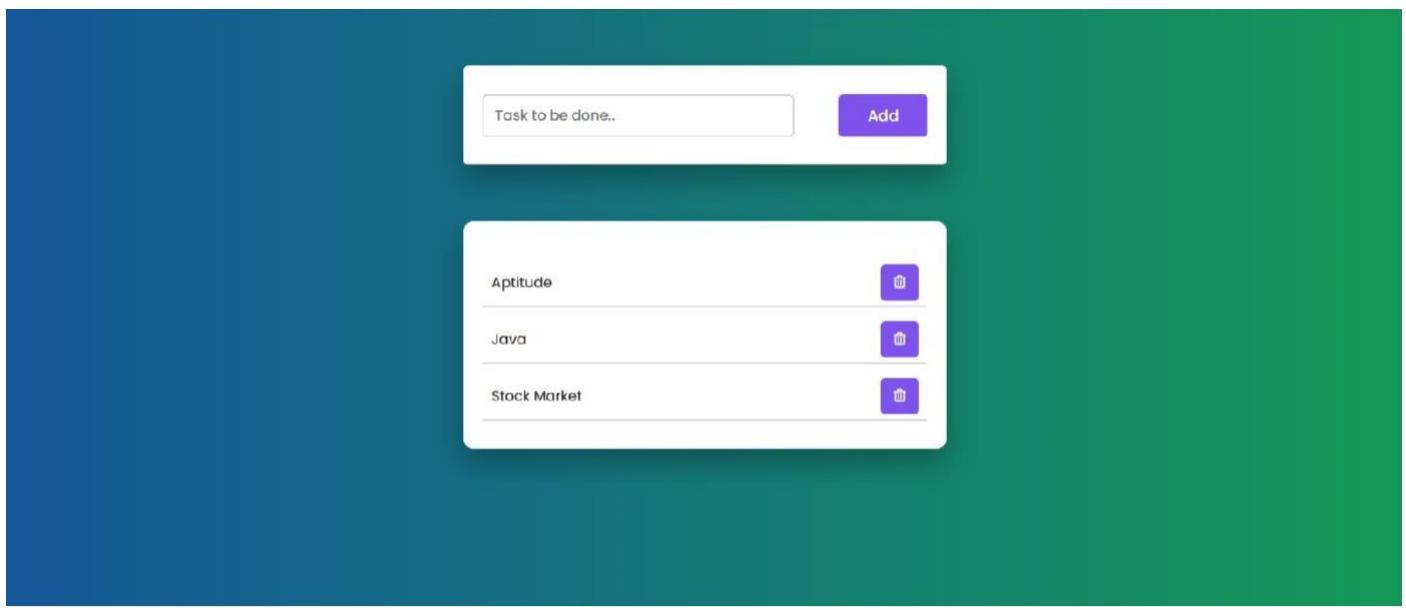
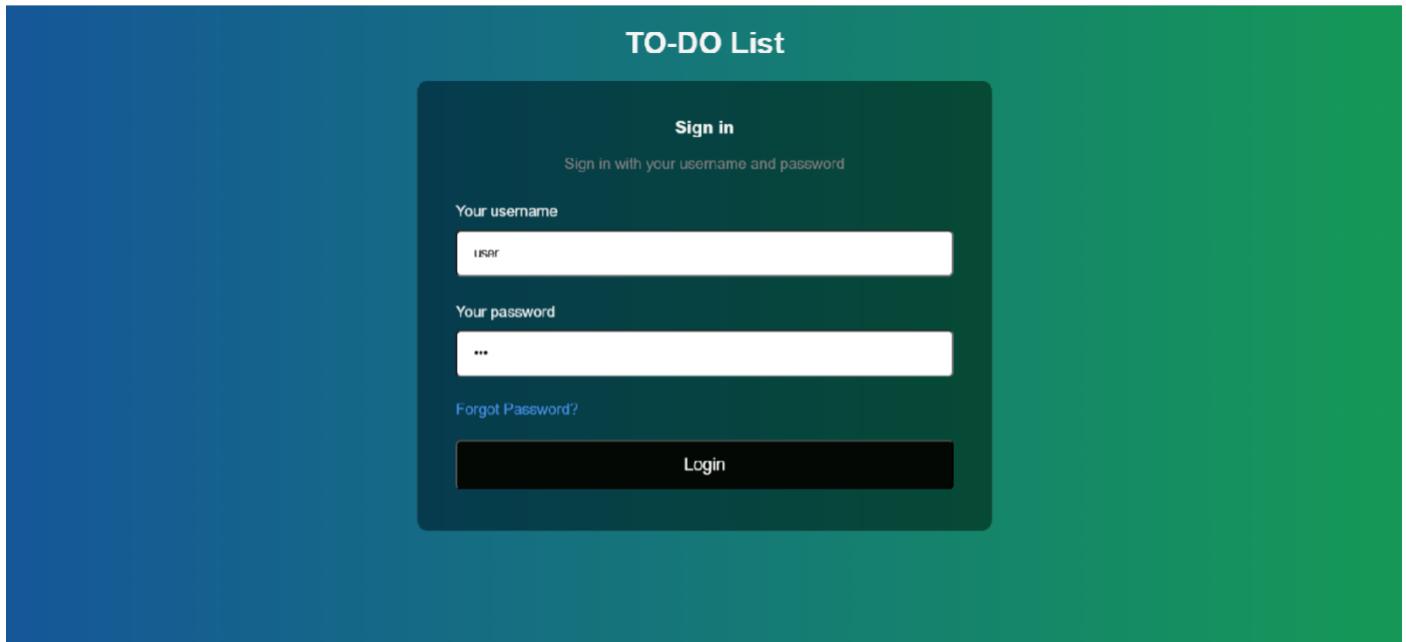


```

<input type="text" placeholder="Task to be done..">
<button id="push">Add</button>
</div>
<div id="tasks"></div>
</div>
<script>
  document.querySelector('#push').onclick = function(){
if(document.querySelector('#newtask input').value.length == 0){
  alert("Please Enter a Task")
}
else{
  document.querySelector('#tasks').innerHTML += `
<div class="task">
  <span id="taskname">
    ${document.querySelector('#newtask input').value}
  </span>
  <button class="delete">
    <i class="far fa-trash-alt"></i>
  </button>
</div>
  var current_tasks = document.querySelectorAll(".delete");
  for(var i=0; i<current_tasks.length; i++){
    current_tasks[i].onclick = function(){
      this.parentNode.remove();
    }
  }
  var tasks = document.querySelectorAll(".task");
  for(var i=0; i<tasks.length; i++){
    tasks[i].onclick = function(){
      this.classList.toggle('completed');
    }
  }
  document.querySelector("#newtask input").value = "";
}
}
</script>
</body>
</html>

```

OUTPUT:



RESULT:

Thus the script to create to-do list has been executed successfully.

EXP NO:3

Create a simple micro blogging application (like twitter) that allows people to post their content which can be viewed by people who follow them.

AIM:

Create a simple micro blogging application (like twitter) that allows people to post their content which can be viewed by people who follow them

ALGORITHM:

1. Start the Program
2. Within the <nav> tag create the tweet box
3. Include the profile, friends , groups options inside the <div> tag and locate it to left
4. Include the followers list in the right side using <div> tag and css styles
5. In the centre , include the posts and tweets of the followers
6. The style properties are created in separate sheet in the name of “style.css”
7. Style.css is linked with this index sheet using <href>
8. Run the program

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>TechX</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<script src="script.js"></script>
<nav>
<div class="left">
<h2 style="color: Black">TechX</h2>
<div class="search_bar">
<i class="fa-solid fa-magnifying-glass"></i>
<input type="text" placeholder="Search">
</div>
</div>
</nav>
<div class="main">
```



```

<div class="left">
  <div class="left">
    <div class="img">
      
      <p>Vishwaharan</p>
    </div>
    <div class="img">
      
      <p>Friends</p>
    </div>
    <div class="img">
      
      <p>Saved</p>
    </div>
    <div class="img">
      
      <p>Groups</p>
    </div>
    <div class="img">
      
      <p>Marketplace</p>
    </div>
    <div class="img">
      
      <p>Watch</p>
    </div>
    <hr>
  </div>
</div>
<div class="center">
  <div class="my_post">
    <div class="post_top">
      
      <input type="text" id="tweetInput" placeholder="What's on your mind?">
    </div>
  </div>
  <div class="friends_post">
    <div class="friend_post_top">
      <div class="img_and_name">
        
        <div class="friends_name">

```



```

<p class="friends_name">
    Vishwaharan
</p>
<p class="time">10h.<i class="fa-solid fa-user-group"></i></p>
</div>
</div>
<div class="menu">
    <i class="fa-solid fa-ellipsis"></i>
</div>
</div>
<center><p><b>Switzerland</b></p></center>
<br>

</div>
<div class="friends_post">
    <div class="friend_post_top">
        <div class="img_and_name">
            
            <div class="friends_name">
                <p class="friends_name">
                    Siva Prakash
                </p>
                <p class="time">6h.<i class="fa-solid fa-user-group"></i></p>
            </div>
        </div>
        <div class="menu">
            <i class="fa-solid fa-ellipsis"></i>
        </div>
    </div>
    <center><p><b>Camping with Friends</b></p></center>
    <br>
    
    </div>
</div>
<div class="right">
    <div class="right">
        <div class="third_warpper">
            <div class="contact_tag">
                <h2>Followers</h2>
                <div class="contact_icon">
                    <i class="fa-solid fa-magnifying-glass"></i>

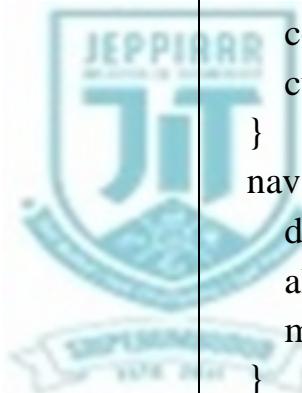
```

```
</div>
</div>
<div class="contact">
    
    <p>Siva Prakash</p>
</div>
<div class="contact">
    
    <p>Bala Aravind</p>
</div>
<div class="contact">
    
    <p>Trafalgar Law</p>
</div>
<div class="contact">
    
    <p>Dark King Rayleigh</p>
</div>
</div>
</div>
</body>
</html>
```



Style.css:

```
*{  
    margin: 0;  
    padding: 0;  
    box-sizing: border-box;  
    font-family: sans-serif;  
}  
  
nav{  
    width: 100%;  
    height: 60px;  
    display: flex;  
    align-items: center;  
    justify-content: space-between;  
    border-bottom: 1px solid #cccccc;  
    background: #fff;  
    position: fixed;  
    top: 0;  
    z-index: 1000;  
}  
  
nav .left{  
    display: flex;  
    align-items: center;  
    justify-content: center;  
    margin-left: 10px;  
}  
  
nav .left .search_bar{  
    width: 250px;  
    height: 40px;  
    background: #efefef;  
    border-radius: 30px;  
    padding: 0 10px;  
    margin-left: 10px;  
    position: relative;  
    left: 15px;  
}  
  
nav .left .search_bar i{  
    line-height: 40px;  
    font-size: 19px;  
    color: #919191;  
    margin-right: 5px;  
}  
  
nav .left .search_bar input{  
    background: transparent;  
    outline: none;  
    border: 0;  
    font-size: 16px;  
    width: 200px;  
}  
  
nav .center{  
    position: relative;  
    right: 45px;  
}  
  
nav .center i{  
    margin: 0 45px 0 45px;  
    font-size: 22px;  
}  
  
nav .center i:hover{  
    color: #45abff;  
    cursor: pointer;  
}  
  
nav .right{  
    display: flex;  
    align-items: center;  
    margin-right: 10px;  
}  
  
nav .right img{  
    width: 35px;  
    height: 35px;  
    object-fit: cover;  
    object-position: center;  
    border-radius: 50%;  
    margin-left: 8px;  
    line-height: 45px;  
    cursor: pointer;  
}  
  
/*-----main ----- */  
.main{  
    display: flex;  
    margin-top: 60px;  
    background: #f5f5f5;  
}
```



```

.main .left{
    width: 25%;
    height: 92vh;
    overflow: hidden;
    overflow-y: scroll;
    background: #f5f5f5;
    padding: 20px 6px 5px 10px;
    position: fixed;
}

.main .left::-webkit-scrollbar{
    width: 7px;
}

.main .left::-webkit-scrollbar-thumb{
    border-radius: 20px;
    background: #f5f5f5;
}

.main .left:hover::-webkit-scrollbar-thumb{
    background: #cccccc;
}

.main .left .img{
    display: flex;
    align-items: center;
    cursor: pointer;
    transition: 0.2s;
}

.main .left .img:hover{
    background: #e3e3e3;
}

.main .left .img img{
    width: 40px;
    height: 40px;
    object-fit: cover;
    object-position: center;
    border-radius: 50%;
    margin: 8px 15px 8px 0;
}

.main .left hr{
    width: 100%;
    height: 1px;
    border: 0;
    background-color: #cccccc;
    margin: 10px 0;
}

.main .left:hover .edit{
    opacity: 1;
}

.main .center{
    width: 50%;
    height: auto;
    padding: 20px 20px 0 20px;
    background: #f5f5f5;
    margin-left: 25%;
}

.main .center .my_post{
    width: 100%;
    height: auto;
    background: #fff;
    padding: 10px 15px;
    border-radius: 7px;
    box-shadow: 0 1px 8px rgba(0,0,0,0.2);
    margin: 10px 0;
}

.main .center .my_post img{
    width: 45px;
    height: 45px;
    border-radius: 50%;
    object-fit: cover;
    object-position: center;
}

.main .center .my_post .post_top{
    display: flex;
    align-items: center;
}

.main .center .my_post .post_top input{
    width: 90%;
    padding: 10px;
    margin-left: 20px;
    border: 0;
    outline: none;
    background: #efefef;
    border-radius: 30px;
}

```

```

    font-size: 17px;
}

.main .center .my_post .post_top
input:hover{
    background: #e3e3e3;
    cursor: pointer;
}

.main .center .friends_post{
    margin: 10px 0;
    width: 100%;
    height: auto;
    background: #fff;
    padding: 10px 15px;
    border-radius: 7px;
    box-shadow: 0 1px 8px rgba(0,0,0,0.2);
}

.main .center .friends_post
.friend_post_top{
    display: flex;
    align-items: center;
    justify-content: space-between;
    margin-bottom: 15px;
}

.main .center .friends_post
.friend_post_top .img_and_name{
    display: flex;
    align-items: center;
}

.main .center .friends_post
.friend_post_top .img_and_name img{
    width: 45px;
    height: 45px;
    border-radius: 50%;
    object-fit: cover;
    object-position: center;
    margin-right: 8px;
    cursor: pointer;
}

.main .center .friends_post
.friend_post_top .menu{
    width: 35px;
    height: 35px;
    border-radius: 50%;
}

.main .center .friends_post
.friend_post_top .menu:hover{
    background: #efefef;
    cursor: pointer;
}

.main .center .friends_post
.friend_post_top .menu i{
    line-height: 35px;
    margin-left: 8px;
    font-size: 18px;
}

.main .center .friends_post .info{
    display: flex;
    align-items: center;
    justify-content: space-between;
    margin: 10px 0;
}

/*-----right-----*/
.main .right{
    width: 25%;
    height: 92vh;
    overflow: hidden;
    overflow-y: scroll;
    background: #f5f5f5;
    padding: 20px 10px 5px 6px;
    position: fixed;
    right: 0;
}

.main .right::-webkit-scrollbar{
    width: 7px;
}

.main .right::-webkit-scrollbar-thumb{
    border-radius: 20px;
    background: #f5f5f5;
}

.main .right:hover::-webkit-scrollbar-thumb{
    background: #cccccc;
}

```

```
}

.main .right .third_warpper .contact_tag{
    display: flex;
    align-items: center;
    justify-content: space-between;
}

.main .right .third_warpper .contact_tag h2{
    font-size: 18px;
    color: #919191;
    margin: 5px 0;
}

.main .right .third_warpper .contact_tag .contact_icon i{
    margin: 0 5px;
    width: 35px;
    height: 35px;
    border-radius: 50%;
    line-height: 35px;
    padding-left: 10px;
}

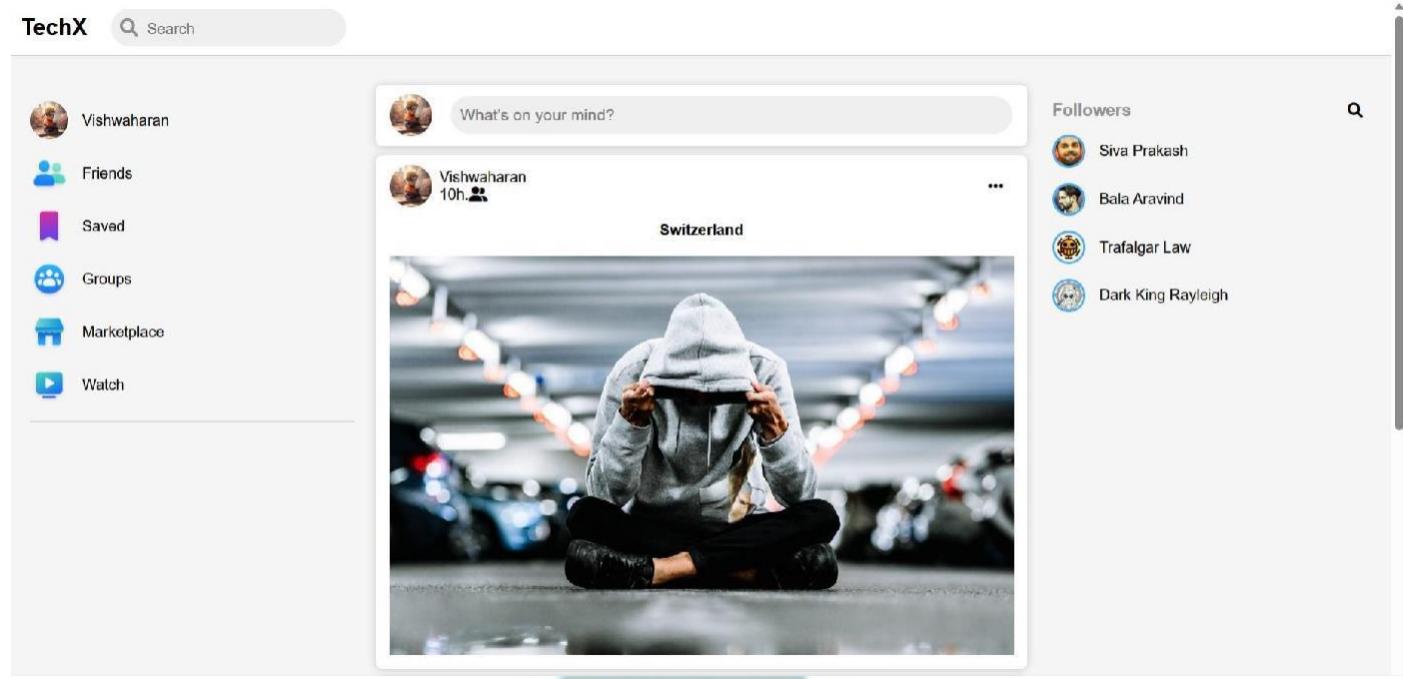
.main .right .third_warpper .contact_tag .contact_icon i:hover{
    background: #efefef;
    cursor: pointer;
}

.main .right .third_warpper .contact{
    display: flex;
    align-items: center;
}

.main .right .third_warpper .contact img{
    width: 35px;
    height: 35px;
    object-fit: cover;
    object-position: center;
    border-radius: 50%;
    margin: 8px 15px 8px 0;
    border: 3px solid #45abff;
    cursor: pointer;
}
```



OUTPUT:



RESULT:

Thus the script to create micro-blogging website has been executed successfully.

EXP NO:4

Create a food delivery website where users can order food from a particular restaurant listed in the website

AIM:

To create a food delivery website where users can order food from a particular restaurant listed in the website

ALGORITHM:

1. Start the Program
2. Display the different restaurants details using <div> tag
3. Link each restaurant to its separate food menu page using <a> tag
4. Add the items to your Cart using the function addToCart()
5. The reloadCart() function is used to empty the Cart items
6. The style properties are created in separate sheet in the name of “style.css”
7. Style.css is linked with this index sheet using <href>
8. Run the program



Index.html

```
<html>
<head>
<title>RESTAURANT WEBSITE</title>
<link rel="stylesheet" type="text/css" href="css/style.css" />
<link rel="stylesheet" type="text/css" href="css/font-awesome.min.css" />
</head>
<body>
<div class="main">
<div class="header">
    <div class="header-left">
    <div class="header-right">
        <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">About</a></li>
            <li><a href="#">Review</a></li>
            <li><a href="#">Contact</a></li>
        </ul>
    </div>
<div class="header-bottom">
```

```

<div class="header-font">Eat healthy food & Enjoy your life.</div>
</div>
</div>
<div class="content-part-3">
<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<div class="content-part-3-left"></div>
<div class="content-part-3-right">
<div class="content-part-3-right-h4">Saravanabhavan</div>
Food, Folks and Fun all together.
<div class="margin_p3"><a href="menu.html" class="order-now">Order Now</a></div>
</div>
<div class="content-part-3-left"></div>
<div class="content-part-3-right">
<div class="content-part-3-right-h4">Hotel Aambur</div>
Spices have a story.
<div class="margin_p3"><a href="menu.html" class="order-now">Order
Now</a></div>
</div>
<div class="content-part-3-left"></div>
<div class="content-part-3-right">
<div class="content-part-3-right-h4">Hotel Anbu</div>
Like Mom's house.
<div class="margin_p3"><a href="menu.html" class="order-now">Order
Now</a></div>
</div>
<div class="content-part-3-left"></div>
<div class="content-part-3-right">
<div class="content-part-3-right-h4">Hotel Aachis</div>
Listen to your tongue.
<div class="margin_p3"><a href="menu.html" class="order-now">Order
Now</a></div>
</div>
<div class="content-part-3-left"></div>
<div class="content-part-3-right">
<div class="content-part-3-right-h4">Hotel A2B</div>
Quality first.

```

```

<div class="margin_p3"><a href="menu.html" class="order-now">Order
Now</a></div>
</div>
<div class="content-part-3-left"></div>
<div class="content-part-3-right">
<div class="content-part-3-right-h4">Star biriyani</div>
You need a chicken dinner.
<div class="margin_p3"><a href="menu.html" class="order-now">Order
Now</a></div>
</div>
<div class="clearfix"></div>
</div>
</body>
</html>

```

Order.html



```

<html>
<head>
<title>RESTAURANT WEBSITE</title>
<link rel="stylesheet" type="text/css" href="css/style.css" />
<link rel="stylesheet" type="text/css" href="css/font-awesome.min.css" />
<style>
body {
    text-align: center;
    padding: 40px 0;
}

h1 {
    color: #88B04B;
    font-family: "Nunito Sans", "Helvetica Neue", sans-serif;
    font-weight: 900;
    font-size: 40px;
    margin-bottom: 10px;
}

p {
    color: #404F5E;
    font-family: "Nunito Sans", "Helvetica Neue", sans-serif;
    font-size: 20px;
    margin: 0;
}

```

```

        }
    i {
        color: #9ABC66;
        font-size: 100px;
        line-height: 200px;
        margin-left:-15px;
    }

```

</style>

</head>

<body>

<div class="main">

<div class="header">

<div class="header-right">

- Home
- About
- Review
- Contact

</div>

<div class="header-bottom">

JIT SPRIAR COLLEGE OF ENGINEERING & TECHNOLOGY

<div class="header-font">Eat healthy food & Enjoy your life.</div>

</div>

</div>

<div class="content-part-3">

<div class="card">

✓

<i class="checkmark">✓</i>

</div>

<h1>Order Success</h1>

<p>Food is preparing</p>

</div>

</div>

<div class="clearfix"></div>

</div>

</body>

</html>

Menu.html

```
<html>
<head>
<title>RESTAURANT WEBSITE</title>
<link rel="stylesheet" type="text/css" href="css/style.css" />
<link rel="stylesheet" type="text/css" href="css/font-awesome.min.css" />
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="main">
<div class="header">
<div class="header-right">
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="#">About</a></li>
<li><a href="#">Review</a></li>
<li><a href="#">Contact</a></li>
</ul>
</div>
<div class="header-bottom">
<div class="header-font">Eat healthy food & Enjoy your life.</div>
</div>
</div>
<div class="content-part-3">
<div class="container">
<header>
<h1>Your Shopping Cart</h1>
<div class="shopping">

<span class="quantity">0</span>
</div>
</header>
<div class="list">
</div>
</div>
<div class="card">
<h1>Cart</h1>
<ul class="listCard">
</ul>
<div class="checkOut">
```



```

<div class="total">0</div>
<div class="closeShopping">
  <a href="order.html">ORDER NOW</a></div>
  </div>
  <script src="app.js"></script>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="clearfix"></div>
</div>
</body>
</html>

```

Style.css:

```

body{
  background-color: #E3E7E8;
  font-family: system-ui;
}

.container{
  width: 1000px;
  margin: auto;
  transition: 0.5s;
}

header{
  display: grid;
  grid-template-columns: 1fr 50px;
  margin-top: 50px;
}

header .shopping{
  position: relative;
  text-align: right;
}

header .shopping img{
  width: 40px;
}

header .shopping span{
  background: red;
  border-radius: 50%;
  display: flex;
}

```



```

justify-content: center;
align-items: center;
color: #fff;
position: absolute;
top: -5px;
left: 80%;
padding: 3px 10px;
}

.list{
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  column-gap: 20px;
  row-gap: 20px;
  margin-top: 50px;
}

.list .item{
  text-align: center;
  background-color: #DCE0E1;
  padding: 20px;
  box-shadow: 0 50px 50px #757676;
  letter-spacing: 1px;
}

.list .item img{
  width: 90%;
  height: 430px;
}

```

```

    object-fit: cover;
}

.list .item .title{
    font-weight: 600;
}

.list .item .price{
    margin: 10px;
}

.list .item button{
    background-color: #1C1F25;
    color: #fff;
    width: 100%;
    padding: 10px;
}

.card{
    position: fixed;
    top:0;
    left: 100%;
    width: 500px;
    background-color: #453E3B;
    height: 100vh;
    transition: 0.5s;
}

.active .card{
    left: calc(100% - 500px);
}

.active .container{
    transform: translateX(-200px);
}

.card h1{
    color: #E8BC0E;
    font-weight: 100;
    margin: 0;
    padding: 0 20px;
    height: 80px;
    display: flex;
    align-items: center;
}

.card .checkOut{
    position: absolute;
    margin: 0 10px;
}


```

bottom: 0;

width: 100%;

display: grid;

grid-template-columns: repeat(2, 1fr);

}

.card .checkOut div{

background-color: #E8BC0E;

width: 100%;

height: 70px;

display: flex;

justify-content: center;

align-items: center;

font-weight: bold;

cursor: pointer;

}

.card .checkOut div:nth-child(2){

background-color: #577ece;

color: #fff;

}

.listCard li{

display: grid;

grid-template-columns: 100px repeat(3, 1fr);

color: #fff;

row-gap: 10px;

}

.listCard li div{

display: flex;

justify-content: center;

align-items: center;

}

.listCard li img{

width: 90%;

}

.listCard li button{

background-color: #fff5;

border: none;

}

.listCard .count{

margin: 0 10px;

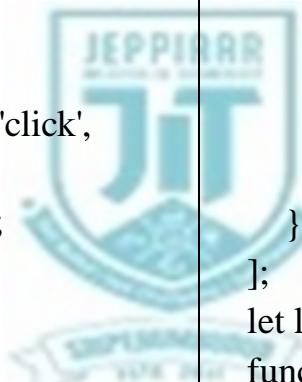


App.js

```
let openShopping =
document.querySelector('.shopping');
let closeShopping =
document.querySelector('.closeShopping');
let list = document.querySelector('.list');
let listCard =
document.querySelector('.listCard');
let body = document.querySelector('body');
let total = document.querySelector('.total');
let quantity =
document.querySelector('.quantity');

openShopping.addEventListener('click',
()=>{
  body.classList.add('active');
})
closeShopping.addEventListener('click',
()=>{
  body.classList.remove('active');
})

let products = [
{
  id: 1,
  name: 'Panner Fried Rice',
  image: 'g.png',
  price: 110
},
{
  id: 2,
  name: 'Schezwan Noodles',
  image: 'h.png',
  price: 95
},
{
  id: 3,
  name: 'Chicken lollipop',
  image: 'd.jfif',
  price: 150
}
```



```
},
{
  id: 4,
  name: 'Burger',
  image: 'c.png',
  price: 80
},
{
  id: 5,
  name: 'Pepper Fish',
  image: '10.png',
  price: 180
},
{
  id: 6,
  name: 'Grill Chicken',
  image: '6.png',
  price: 300
}
];
let listCards = [];
function initApp(){
  products.forEach((value, key)=>{
    let newDiv =
document.createElement('div');
    newDiv.classList.add('item');
    newDiv.innerHTML =
      `

`${value.name}`



` ${value.price.toLocaleString()} `



<button
onclick="addToCard(${key})`>ADD TO
CART</button>`;


    list.appendChild(newDiv);
  })
}
```

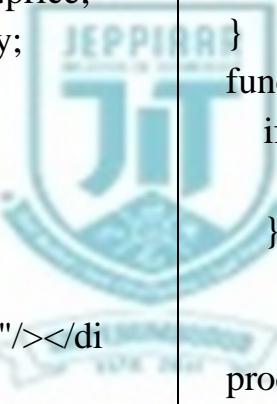
```

}

initApp();
function addToCard(key){
    if(listCards[key] == null){
        listCards[key] =
        JSON.parse(JSON.stringify(products[key]));
    }
    listCards[key].quantity = 1;
}
reloadCart();
}

function reloadCart(){
    listCard.innerHTML = "";
    let count = 0;
    let totalPrice = 0;
    listCards.forEach((value, key)=>{
        totalPrice = totalPrice + value.price;
        count = count + value.quantity;
        if(value != null){
            let newDiv =
            document.createElement('li');
            newDiv.innerHTML =
            <div></di
            v>
                <div>${ value.name }</div>
                <div>${ value.price.toLocaleString() }</div>
            >
                <div>

```

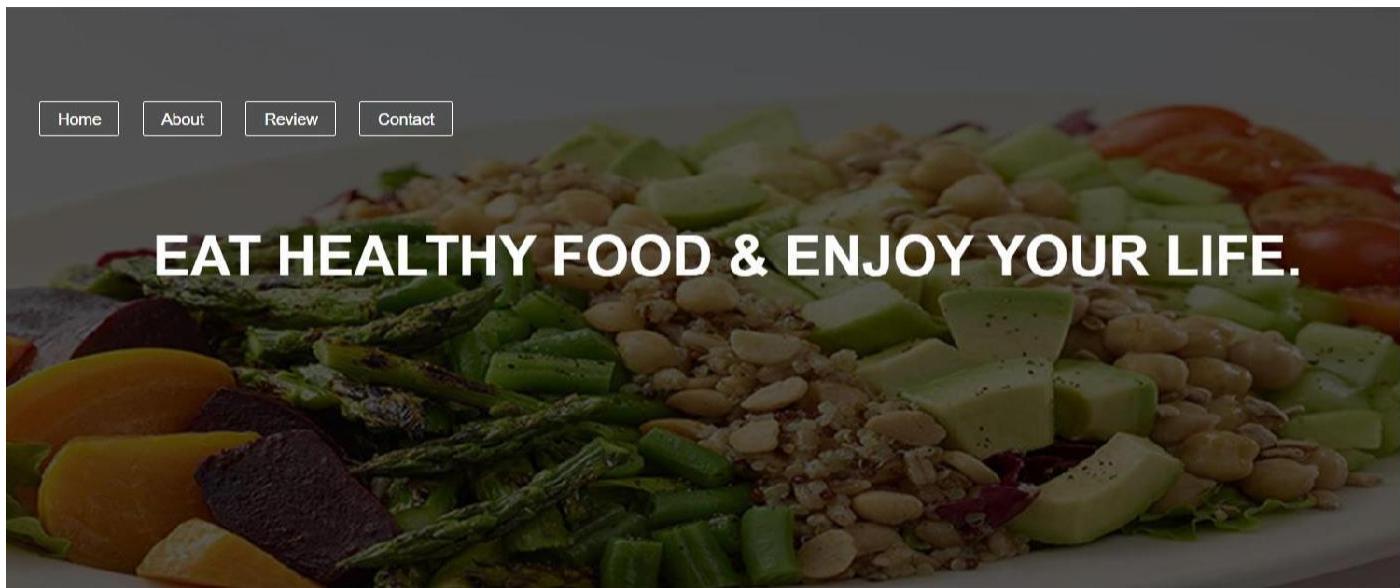


```

                    <button
                    onclick="changeQuantity(${key},
                    ${value.quantity - 1 })">-</button>
                    <div
                    class="count">${value.quantity}</div>
                    <button
                    onclick="changeQuantity(${key},
                    ${value.quantity + 1 })">+</button>
                    </div>;
                    listCard.appendChild(newDiv);
                    quantity.innerText = count;
                }
            })
            total.innerText =
            totalPrice.toLocaleString();
        }
        function changeQuantity(key, quantity){
            if(quantity == 0){
                delete listCards[key];
            }else{
                listCards[key].quantity = quantity;
                listCards[key].price = quantity *
                products[key].price;
            }
            reloadCart();
        }
    }
}

```

OUTPUT:



Saravanabhanav

Food, Folks and Fun all together.

[Order Now](#)



Hotel Aambur

Spices have a story.

[Order Now](#)

The interface shows a shopping cart summary at the top right. It includes a logo, the word "Cart", and a red notification bubble showing the number "3". Below this, there is a table of three items:

Item	Quantity	Unit Price
Schezwan Noodles	1	95
Chicken lollipop	1	150
Pepper Fish	1	100

At the bottom, there are two buttons: a yellow "425" button and a blue "ORDER NOW" button.

Your Shopping Cart

Item	Price	Action
Panner Fried Rice	110	ADD TO CART
Schezwan Noodles	95	ADD TO CART
Chicken lollipop	150	ADD TO CART

EAT HEALTHY FOOD & ENJOY YOUR LIFE.



Order Success

Food is preparing



RESULT:

Thus the script for Online food ordering website has been executed successfully.

AIM:

To develop a classifieds web application to buy and sell used products

ALGORITHM:

1. Start the Program
2. Include the details of the products using the JSON file (“Products.json”)
3. The addCartItem() function is used to add the item to the shopping cart
4. Use Media Queries in the CSS file, to make the website responsive
5. The “fas fa” class is used to include icons in the webpage
6. The style properties are created in separate sheet in the name of “style.css”
7. Style.css is linked with this index sheet using <href>
8. Run the program

**Index.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Shopsy</title>
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.2/css/all.css"
    integrity="sha384-oS3vJWv+0UjzBfQzYUhtDYW+Pj2yciDJxpsK1OYPAYjqT085Qq/1cq5FLXAZQ7Ay"
    crossorigin="anonymous">
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <nav class="navbar">
    &NonBreakingSpace;
    <p>Shopsy</p>
    <div class="navbar-center">
      <div class="navb">
        <a class="active" href="#home">Home</a>
        <a href="#news">About</a>
        <a href="#contact">Products</a>
    
```

```
<a href="#about">Contact Us</a>
</div>
<div class="cart-btn">
  <span class="nav-icon">
    <i class="fas fa-cart-plus"></i>
  </span>
  <div class="cart-items">0</div>
</div>
</div>
</nav>
<header class="hero">
  <div class="banner">
    </div>
</header>
<section class="products">
  <div class="section-title">
    <h2>Used Products</h2>
  </div>
  <div class="products-center">
    </div>
</section>
<div class="cart-overlay">
  <div class="cart">
    <span class="close-cart">
      <i class="fas fa-window-close"></i>
    </span>
    <h2>Your cart</h2>
    <div class="cart-content">
      </div>
    <div class="cart-footer">
      <h3>your total: ₹ <span class="cart-total">0</span></h3>
      <button class="clear-cart banner-btn">clear cart</button>
    </div>
  </div>
</div>
<script src="app.js"></script>
</body>
</html>
```



Style.css

```
@import url("https://fonts.googleapis.com/css?family=Lato:400,700");
:root {
    --primaryColor: #f09d51;
    --mainWhite: #fff;
    --mainBlack: #222;
    --mainGrey: #ececce;
    --mainSpacing: 0.1rem;
    --mainTransition: all 0.3s linear;
}
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body {
    color: var(--mainBlack);
    background: var(--mainWhite);
    font-family: "Lato", sans-serif;
}
.navbar a {
    float: left;
    color: #f2f2f2;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
    font-weight: bold;
    font-size: 20px;
}
.navbar-center a{
    color: black;
}
.navbar {
    position: sticky;
    top: 0;
    height: 60px;
    width: 100%;
    display: flex;
```



```
align-items: center;
background: rgb(231, 226, 221);
z-index: 1;
}
p {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    font-weight: bold;
    position: relative;
    left: 35px;
    font-size: 20px;
}
.navbar img{
    position: relative;
    left: 30px;
}
.navbar-center {
    max-width: 1170px;
    margin: 0 auto;
    display: flex;
    align-items: center;
    justify-content: space-between;
    padding: 0 1.5rem;
}
.nav-icon {
    position: relative;
    font-size: 1.5rem;
    left: 80px;
}
.cart-btn {
    position: relative;
    cursor: pointer;
    left: 50%;
}
.cart-items {
    position: absolute;
    top: -8px;
    left: 60px;
    background: var(--primaryColor);
    padding: 0 5px;
    border-radius: 30%;
```

```

color: var(--mainWhite);
}

.hero {
  min-height: calc(100vh - 60px);
  background: url("./images/hero-
bcg.jpeg") center no-repeat;
  background-size: 95%;
}
.banner-btn {
  padding: 1rem 3rem;
  text-transform: uppercase;
  letter-spacing: var(--mainSpacing);
  font-size: 1rem;
  background: var(--primaryColor);
  color: var(--mainBlack);
  border: 1px solid var(--primaryColor);
  transition: var(--mainTransition);
  cursor: pointer;
}
.products {
  padding: 4rem 0;
}
.section-title h2 {
  text-align: center;
  font-size: 2.5rem;
  margin-bottom: 5rem;
  text-transform: capitalize;
  letter-spacing: var(--mainSpacing);
}
.products-center {
  width: 90vw;
  margin: 0 auto;
  max-width: 1170px;
  display: grid;
  grid-template-columns: repeat(auto-fit,
minmax(260px, 1fr));
  grid-column-gap: 1.5rem;
  grid-row-gap: 2rem;
}
.img-container {
  position: relative;
  overflow: hidden;
}
.bag-btn {
  position: absolute;
  top: 70%;
  right: 0;
  background: var(--primaryColor);
  border: none;
  text-transform: uppercase;
  padding: 0.5rem 0.75rem;
  letter-spacing: var(--mainSpacing);
  font-weight: bold;
  transition: var(--mainTransition);
  transform: translateX(101%);
  cursor: pointer;
}
.bag-btn:hover {
  color: var(--mainWhite);
}
.fa-shopping-cart {
  margin-right: 0.5rem;
}
.img-container:hover .bag-btn {
  transform: translateX(0);
}
.product-img {
  display: block;
  width: 100%;
  min-height: 12rem;
  transition: var(--mainTransition);
}
.img-container:hover .product-img {
  opacity: 0.5;
}
.product h3 {
  text-transform: capitalize;
  font-size: 1.1rem;
  margin-top: 1rem;
  letter-spacing: var(--mainSpacing);
  text-align: center;
}

```

```

.product h4 {
  margin-top: 0.7rem;
  letter-spacing: var(--mainSpacing);
  color: var(--primaryColor);
  text-align: center;
}

.cart-overlay {
  position: fixed;
  top: 0;
  right: 0;
  width: 100%;
  height: 100%;
  transition: var(--mainTransition);
  background: rgb(240, 157, 81, 0.5);
  z-index: 2;
  visibility: hidden;
}

.cart {
  position: fixed;
  top: 0;
  right: 0;
  width: 100%;
  height: 100%;
  overflow: scroll;
  z-index: 3;
  background: rgb(231, 226, 221);
  padding: 1.5rem;
  transition: var(--mainTransition);
  transform: translateX(100%);
}

.showCart {
  transform: translateX(0);
}

.transparentBcg {
  visibility: visible;
}

@media screen and (min-width: 768px) {
  .cart {
    width: 30vw;
    min-width: 450px;
  }
}

}

.close-cart {
  font-size: 1.7rem;
  cursor: pointer;
}

.cart h2 {
  text-transform: capitalize;
  text-align: center;
  letter-spacing: var(--mainSpacing);
  margin-bottom: 2rem;
}

.cart-item {
  display: grid;
  align-items: center;
  grid-template-columns: auto 1fr auto;
  grid-column-gap: 1.5rem;
  margin: 1.5rem 0;
}

.cart-item img {
  width: 75px;
  height: 75px;
}

.cart-item h4 {
  font-size: 0.85rem;
  text-transform: capitalize;
  letter-spacing: var(--mainSpacing);
}

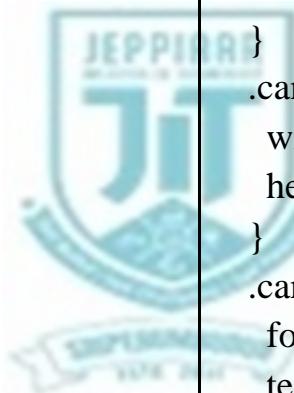
.cart-item h5 {
  margin: 0.5rem 0;
  letter-spacing: var(--mainSpacing);
}

.item-amount {
  text-align: center;
}

.remove-item {
  color: grey;
  cursor: pointer;
}

.fa-chevron-up,
.fa-chevron-down {
  color: var(--primaryColor);
}

```



```

cursor: pointer;
}

.cart-footer {
margin-top: 2rem;
letter-spacing: var(--mainSpacing);
text-align: center;
}

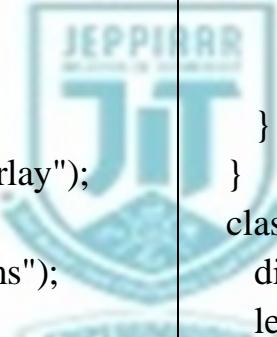
```

App.js

```

const cartBtn =
document.querySelector(".cart-btn");
const closeCartBtn =
document.querySelector(".close-cart");
const clearCartBtn =
document.querySelector(".clear-cart");
const cartDOM =
document.querySelector(".cart");
const cartOverlay =
document.querySelector(".cart-overlay");
const cartItems =
document.querySelector(".cart-items");
const cartTotal =
document.querySelector(".cart-total");
const cartContent =
document.querySelector(".cart-content");
const productsDOM =
document.querySelector(".products-
center");
let cart = [];
let buttonsDOM =[];
class Products{
async getProducts(){
try{
let result = await
fetch("products.json");
let data = await result.json();
let products = data.items;
products = products.map(item =>{
const {title,price} = item.fields;
const {id} = item.sys;
}

```



```

const image
=item.fields.image.fields.file.url;
return {title,price,id,image}
})
return products;
}catch (error){
console.log(error);
}
}
class UI{
displayProducts(products){
let result ="";
products.forEach(product => {
result += `
<article class="product">
<div class="img-container">
<img src=${product.image}-
alt="product" class="product-img">
<button class="bag-btn" data-
id=${product.id}>
<i class="fas fa-shopping-
cart"></i>
` ;
add to cart
</button>
</div>
<h3>${product.title}</h3>
<h4>₹ ${product.price}</h4>
</article>
` ;
})
}

```

```

productsDOM.innerHTML = result;
}

getBagButtons(){
  const buttons =
[...document.querySelectorAll(".bag-
btn")];

  buttonsDOM = buttons;
  buttons.forEach(button => {
    let id = button.dataset.id;
    let inCart = cart.find(item => item.id
    === id);
    if (inCart){
      button.innerText= "In cart";
      button.disabled = true;
    }

    button.addEventListener('click',(event)=>{
      event.target.innerText = "In cart";
      event.target.disabled = true;
      let cartItem =
{...Storage.getProduct(id),amount:1};
      cart = [...cart,cartItem];
      Storage.saveCart(cart );
      this.setCartValues(cart);
      this.addCartItem(cartItem);
      this.showCart();
    });
  });
}

setCartValues(cart){
  let tempTotal = 0;
  let itemsTotal=0;
  cart.map(item =>{
    tempTotal += item.price *
item.amount;
    itemsTotal += item.amount;
  })
  cartTotal.innerText = parseFloat
(tempTotal.toFixed(2));
  cartItems.innerText = itemsTotal;
}

```

```

addCartItem(item){
  const div =
document.createElement('div');
  div.classList.add('cart-item');
  div.innerHTML =` <img
src=${item.image} alt="product">
<div>
  <h4>${item.title}</h4>
  <h5>₹${item.price}</h5>
  <span class="remove-
item" data-id=${item.id}>remove</span>
</div>
<div>
  <i class="fas fa-chevron-
up" data-id=${item.id}></i>
  <p class="item-
amount">${item.amount}</p>
  <i class="fas fa-chevron-
down" data-id=${item.id}></i>
</div> `;
  cartContent.appendChild(div);
}

showCart(){

  cartOverlay.classList.add('transparentBcg')
  ;
  cartDOM.classList.add('showCart');
}

setupApp(){
  cart = Storage.getCart();
  this.setCartValues(cart);
  this.populateCart(cart);

  cartBtn.addEventListener('click',this.show
Cart);

  closeCartBtn.addEventListener('click',this.
hideCart);
}

populateCart(cart){

```

```

        cart.forEach(item =>
this.addCardItem(item));
    }
hideCart(){

cartOverlay.classList.remove('transparentB
cg');

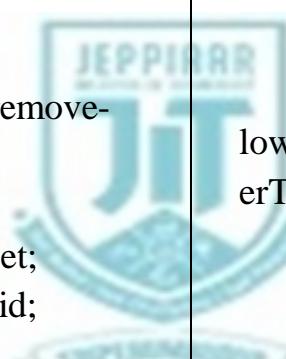
cartDOM.classList.remove('showCart');
}
cartLogic(){

clearCartBtn.addEventListener("click",()=
>{this.clearCart();
});
    cartContent.addEventListener
('click',event=>{

if(event.target.classList.contains('remove-
item'))
{
    let removeItem = event.target;
    let id = removeItem.dataset.id;

cartContent.removeChild(removeItem.pare
ntElement.parentElement);
    this.removeItem(id);
}
else if
(event.target.classList.contains('fa-
chevron-up'))
{
    let addAmount = event.target;
    let id = addAmount.dataset.id;
    let tempItem = cart.find(item =>
item.id === id);
    tempItem.amount =
tempItem.amount + 1;
    Storage.saveCart(cart);
    this.setCartValues(cart);
}

```



```

addAmount.nextElementSibling.inn
erText =
tempItem.amount;
}
else if
(event.target.classList.contains('fa-
chevron-down'))
{
    let lowerAmount = event.target;
    let id = lowerAmount.dataset.id;
    let tempItem = cart.find(item =>
item.id === id);
    tempItem.amount =
tempItem.amount - 1;
    if(tempItem.amount > 0){
        Storage.saveCart(cart);
        this.setCartValues(cart);

lowerAmount.previousElementSibling.inn
erText = tempItem.amount;
}
else {

cartContent.removeChild(lowerAmount.pa
rentElement.parentElement);
    this.removeItem(id);
}
}
})
}
}
}

clearCart(){
    let cartItems = cart.map(item
=>item.id);
    cartItems.forEach(id =>
this.removeItem(id));
    console.log(cartContent.children);
    while (cartContent.children.length > 0){
        cartContent.removeChild
(cartContent.children[0]);
    }
}

```

```

    this.hideCart();
}
removeItem(id){
    cart = cart.filter(item => item.id !== id);
    this.setCartValues(cart);
    Storage.saveCart(cart);
    let button = this.getSingleButton(id);
    button.disabled = false;
    button.innerHTML = `<i class="fas fa-shopping-cart"></i>add to cart`;
}
getSingleButton(id){
    return buttonsDOM.find(button =>
button.dataset.id === id);
}
class Storage{
static saveProducts(products){

localStorage.setItem("products",JSON.stringify(products));
}
static getProduct(id){
    let products
=JSON.parse(localStorage.getItem('products'));
}

```



```

        return products.find(product =>
product.id === id);
}
static saveCart(cart){

localStorage.setItem('cart',JSON.stringify(
cart))
}
static getCart(){

return
localStorage.getItem('cart')?JSON.parse(lo
calStorage.getItem('cart')): []
}
document.addEventListener("DOMContentLoaded",()=>{
const ui= new UI();
const products = new Products();
ui.setupApp();
products.getProducts().then(products =>
{ui.displayProducts(products)
Storage.saveProducts(products);
}).then(()=>{
    ui.getBagButtons();
    ui.cartLogic();
});
});
});
```

Products.json :

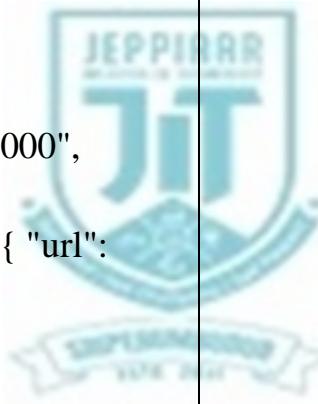
```
{
"items": [
{
"sys": { "id": "1" },
"fields": {
    "title": "OPPO A78",
    "price": 8000.00,
    "image": { "fields": { "file": { "url": "./images/product-1.jpeg" } } }
}
},
```

```
{
"sys": { "id": "2" },
"fields": {
    "title": "Apple Iphone 12",
    "price": 28000,
    "image": { "fields": { "file": { "url": "./images/product-2.jpeg" } } }
},
{
"sys": { "id": "3" },
```

```

"fields": {
    "title": "OnePlus Nord CE 3",
    "price": 12000,
    "image": { "fields": { "file": { "url": "./images/product-3.jpeg" } } }
},
{
"sys": { "id": "4" },
"fields": {
    "title": "Vivo T2X 5G",
    "price": 7000,
    "image": { "fields": { "file": { "url": "./images/product-4.jpeg" } } }
},
{
"sys": { "id": "5" },
"fields": {
    "title": "DELL Inspiron 15 3000",
    "price": 21000,
    "image": { "fields": { "file": { "url": "./images/product-5.jpeg" } } }
},
{
"sys": { "id": "6" },
"fields": {
    "title": "Acer Nitro 5",
    "price": 32000,
    "image": { "fields": { "file": { "url": "./images/product-6.jpeg" } } }
},
{
"sys": { "id": "7" },
"fields": {
    "title": "Lenovo Ideapad Slim 3",
    "price": 20000,
    "image": { "fields": { "file": { "url": "./images/product-7.jpeg" } } }
}
},
{
"sys": { "id": "8" },
"fields": {
    "title": "Asus Vivobook 15",
    "price": 25000,
    "image": { "fields": { "file": { "url": "./images/product-8.jpeg" } } }
},
{
"sys": { "id": "9" },
"fields": {
    "title": "Canon EOS 11000D",
    "price": 12500,
    "image": {
        "fields": {
            "file": {
                "url": "./images/product-9.jpeg"
            }
        }
    }
},
{
"sys": { "id": "10" },
"fields": {
    "title": "Sony a7 III",
    "price": 100000,
    "image": {
        "fields": {
            "file": {
                "url": "./images/product-10.jpeg"
            }
        }
    }
}
}

```



```

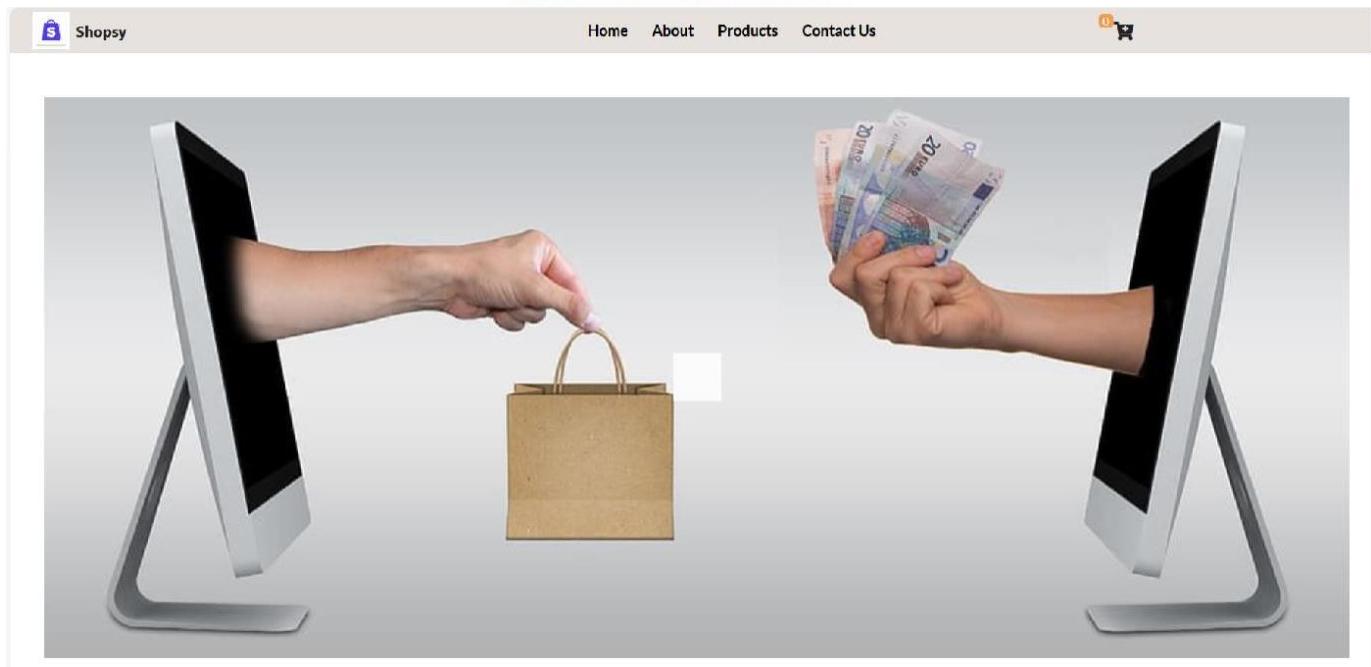
    }
},
{
"sys": {
  "id": "11"
},
"fields": {
  "title": "Nikon D850 SLR Camera",
  "price": 175000,
  "image": {
    "fields": {
      "file": {
        "url": "./images/product-11.jpeg"
      }
    }
  }
}
},

```

```

{
  "sys": {
    "id": "12"
  },
  "fields": {
    "title": "Fujifilm X-T3",
    "price": 60000,
    "image": {
      "fields": {
        "file": {
          "url": "./images/product-12.jpeg"
        }
      }
    }
  }
}
]
```

OUTPUT:





Shopy

Home About Products Contact Us

Your Cart

	Apple iPhone 12 ₹28000	remove
	Acer Nitro 5 ₹32000	remove
	Sony A7 III ₹100000	remove

Your Total: ₹ 160000

CLEAR CART

The grid displays the same products as the first image:

- OPPO A78** (Black) - ₹ 8000/-
- Apple iPhone 12** (Red) - ₹ 28000/-
- OnePlus Nord CE 3** (Grey) - ₹ 12000/-
- DELL Inspiron 15 3000** (Black) - ₹ 21000/-
- Acer Nitro 5** (Black) - ₹ 32000/-
- Lenovo Ideapad Slim 3** (Silver) - ₹ 20000/-

RESULT:

Thus the script to create a classified website to buy and sell used products has been executed successfully.

EXP NO:6

Develop a leave management system for an organization where users can apply different types of leaves such as casual leave and medical leave. They also can view the available number of days

AIM:

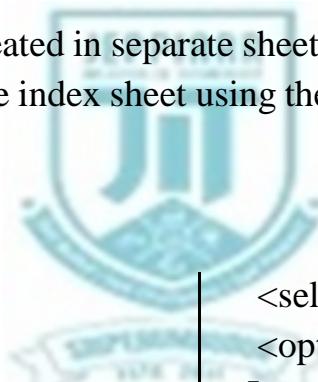
To develop a leave management system for an organization where users can apply different types of leaves such as casual leave and medical leave. They also can view the available number of days

ALGORITHM:

1. Start the program
2. The Index page (index.html) allows the users to request for leave and view the available leave days
3. Add the different types of leaves using <select> and <option> tag
4. Using the addEventListener() method in “script.js” file, the users leave request will be updated
5. The style properties are created in separate sheet in the name of “styles.css”
6. Styles.css is linked with the index sheet using the <link> tag
7. Run the program

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport"
content="width=device-width, initial-
scale=1.0">
<link rel="stylesheet" href="styles.css">
<title>Leave Management System</title>
</head>
<body>
<h1>Leave Management System</h1>
<div class="leave-form">
<h2 style="color: black;font-size:
24px;">Name : Vishwaharan M</h2>
<h2>Request Leave</h2>
<form id="leave-request-form">
<label for="leave-type">Leave
Type:</label>
```



```
<select id="leave-type">
<option value="casual">Casual
Leave</option>
<option value="medical">Medical
Leave</option>
</select>
<div class="date-input">
<label for="fromDate">From
Date:</label>
<input type="date" id="fromDate">
</div>
<div class="date-input">
<label for="toDate">To Date:</label>
<input type="date" id="toDate">
</div>
<label for="leave-days">Number of
Days:</label>
```

```

<input type="number" id="leave-days"
min="1" required>
<button type="submit">Submit</button>
</form>
</div>
<div class="leave-summary">
<h2>Leave Summary</h2>
<p>Available Leave Days: <span
id="available-days">20</span></p>
<table>
<thead>
<tr>

```

```

<th>Date</th>
<th>Leave Type</th>
<th>Days</th>
</tr>
</thead>
<tbody id="leave-records">
</tbody>
</table>
</div>
<script src="script.js"></script>
</body>
</html>

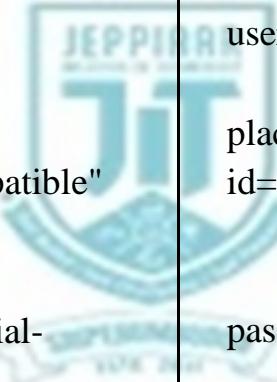
```

Form.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>Login page in HTML</title>
    <link rel="stylesheet" href="form.css">
</head>
<body>
    <br>
    <h1>Login Page</h1>
    <form action="index.html" id="login-
form">
        <div class="headingsContainer">
            <p>Sign in with your username and
password</p>
        </div>
        <div class="mainContainer">

```



```

            <label for="username">Your
username</label>
            <input type="text"
placeholder="Enter Username"
id="username" name="username" >
            <br><br>
            <label for="pswrd">Your
password</label>
            <input type="password"
placeholder="Enter Password"
id="password" name="pswrd" >
            <div class="subcontainer">
                <p class="forgotpsd"> <a
href="#">Forgot Password?</a></p>
            </div>
            <input type="submit"
value='Login'>
        </div>
    </form>
    <script src="script.js"></script>
</body>
</html>

```

Style.css

```
body {  
    font-family: 'Segoe UI', Tahoma,  
    Geneva, Verdana, sans-serif;  
    margin: 0;  
    padding: 0;  
    background-color: #f0f0f0; /* Lighter  
background color */  
}  
  
*{  
    font-size: 22px;  
}  
  
h1 {  
    text-align: center;  
    padding: 20px;  
    background-color: #007BFF;  
    color: white;  
    font-size: 36px; /* Larger font size */  
}  
  
.leave-form,  
.leave-summary {  
    width: 80%; /* Wider containers */  
    margin: 20px auto;  
    padding: 20px;  
    background-color: #fff;  
    border-radius: 10px; /* Rounded corners */  
    box-shadow: 0px 0px 10px 0px rgba(0,  
    0, 0, 0.2); /* Slightly darker shadow */  
    transition: transform 0.3s ease-in-out; /*  
Smooth hover animation */  
}  
  
.leave-form:hover,  
.leave-summary:hover {  
    transform: scale(1.02); /* Slight scale-up  
on hover */  
}  
}  
  
.leave-form h2,  
.leave-summary h2 {  
    text-align: center;  
    color: #007BFF; /* Blue header text  
color */  
}  
  
.leave-form form label,  
.leave-form form select,  
.leave-form form input {  
    display: block;  
    margin: 10px 0;  
    width: 100%; /* Full width */  
}  
  
.leave-form form button {  
    background-color: #007BFF;  
    color: white;  
    border: none;  
    padding: 12px 24px; /* Larger button */  
    cursor: pointer;  
    transition: background-color 0.3s ease-  
in-out; /* Smooth hover animation */  
}  
  
.leave-form form button:hover {  
    background-color: #0056b3; /* Darker  
blue on hover */  
}  
  
.leave-info {  
    display: flex;  
    justify-content: space-between;  
    align-items: center;  
    margin-bottom: 20px;  
}
```

```

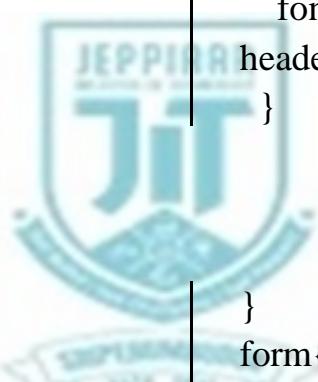
.date-input {
  display: flex;
  justify-content: space-between;
  align-items: center;
}

.date-input label {
  font-weight: bold;
}

.date-input input {
  padding: 10px; /* Slightly larger input
padding */
}

table {
  width: 100%;
  border-collapse: collapse;
}

```



Form.css :

```

body
{
font-family:sans-serif;
background: -webkit-linear-gradient(to
right, #155799, #159957);
background: linear-gradient(to right,
#155799, #159957);
color:whiteSmoke;
}

html{
  font-size: 30px;
}

input{
  font-size: 24px;
}

h1{
  text-align: center;
}

margin-top: 20px; /* Spacing above the
table */

table, th, td {
  border: 1px solid #ddd;
}

th, td {
  padding: 12px; /* Larger cell padding */
  text-align: center;
}

th {
  background-color: #007BFF;
  color: white;
  font-weight: bold; /* Bolder table
headers */
}

form{
  width: 800px;
  height: 600px;
  position: relative;
  top: 40px;
  margin: auto;
  color:whiteSmoke;
  backdrop-filter: blur(16px)
saturate(180%);
  -webkit-backdrop-filter: blur(16px)
saturate(180%);
  background-color: rgba(11, 15, 13,
0.582);
  border-radius: 12px;
  border: 1px solid rgba(255, 255, 255,
0.125);
  padding: 30px;
}

```

```

input[type=text], input[type=password]{
    width: 100%;
    margin: 10px 0;
    border-radius: 5px;
    padding: 15px 18px;
    box-sizing: border-box;
}

input[type=submit] {
    background-color: #030804;
    color: white;
    padding: 14px 20px;
    border-radius: 5px;
    margin: 7px 0;
    width: 100%;
    font-size: 18px;
}

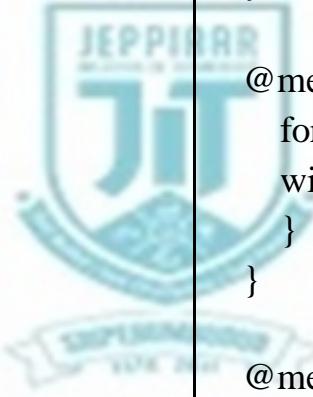
.headingsContainer{
    text-align: center;
}

.headingsContainer p{
    color: gray;
}

.mainContainer{
    padding: 16px;
}

.subcontainer{
    display: flex;
    flex-direction: row;
    align-items: center;
}

```



```

justify-content: space-between;
}

.subcontainer a{
    font-size: 16px;
    margin-bottom: 12px;
}

span.forgotpsd a {
    float: right;
    color: whitesmoke;
    padding-top: 16px;
}

.forgotpsd a{
    color: rgb(74, 146, 235);
}

.forgotpsd a:link{
    text-decoration: none;
}

@media screen and (max-width: 600px) {
    form{
        width: 25rem;
    }
}

@media screen and (max-width: 400px) {
    form{
        width: 20rem;
    }
}

```

Script.js :

```

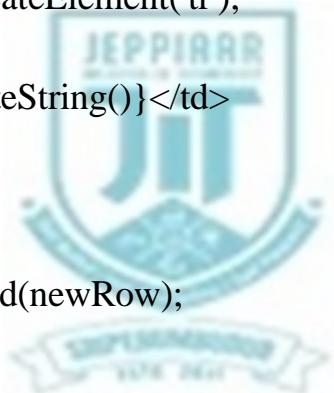
document.addEventListener('DOMContentLoaded', function () {
    const leaveRequestForm = document.getElementById('leave-request-form');
    const availableDaysElement = document.getElementById('available-days');
    const leaveHistoryElement = document.getElementById('leaveHistory');
    const leaveRecordsTable = document.getElementById('leave-records');

    let availableDays = 20;

    leaveRequestForm.addEventListener('submit', function (e) {
        e.preventDefault();
    })
})

```

```
const leaveType = document.getElementById('leave-type').value;
const leaveDays = parseInt(document.getElementById('leave-days').value);
function updateLeaveHistory(fromDate, toDate) {
    const historyItem = document.createElement('li');
    historyItem.textContent = `From: ${fromDate} - To: ${toDate}`;
    leaveHistoryElement.appendChild(historyItem);
    const leaveDays = (new Date(toDate) - new Date(fromDate)) / (1000 * 60 *
60 * 24) + 1;
    leaveTaken += leaveDays;
    updateLeaveInfo();
    fromDateInput.value = "";
    toDateInput.value = "";
}
if (leaveDays <= availableDays) {
    availableDays -= leaveDays;
    availableDaysElement.textContent = availableDays;
    const newRow = document.createElement('tr');
    newRow.innerHTML = `
<td>${new Date().toLocaleDateString()}</td>
<td>${leaveType}</td>
<td>${leaveDays}</td>
`;
    leaveRecordsTable.appendChild(newRow);
    leaveRequestForm.reset();
} else {
    alert('Not enough available leave days.');
}
});
```



OUTPUT:

Login Page

Sign in with your username and password

Your username

Your password

[Forgot Password?](#)



Leave Management System

Name : Vishwaharan M

[Request Leave](#)

Leave Type:

From Date:

To Date:

Number of Days:

[Leave Summary](#)

Available Leave Days: 20

Date	Leave Type	Days

Leave Management System

Name : Vishwaharan M

[Request Leave](#)

Leave type:

Casual Leave

From Date:

dd mm yyyy



To Date:

dd-mm-yyyy



Number of Days:

|

[Submit](#)

Leave Summary

Available Leave Days: 17

Date	Leave Type	Days
4/10/2023	casual	3



RESULT:

Thus the script for leave management system has been executed successfully.

EXP NO:7

Develop a simple dashboard for project management where the statuses of various tasks are available. New tasks can be added and the status of existing tasks can be changed among Pending, InProgress or Completed

AIM:

To develop a simple dashboard for project management where the statuses of various tasks are available. New tasks can be added and the status of existing tasks can be changed among Pending, InProgress or Completed.

ALGORITHM:

1. Start the program
2. The Index page (Task.html) allows the users to view the statuses of various tasks
3. Add the different types of charts using <canvas> tag
4. By using the Chart() function in the 'Chart.js' file, we can configure the properties of the charts
5. The style properties are created in separate sheet in the name of "styles.css"
6. Styles.css is linked with the index sheet using the <link> tag
7. Run the program

Task.html

```
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
  <title>Dashboard</title>
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.2/dist/css/bootstrap.min.css">
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/lib
s/fontawesome/5.15.1/css/all.min.css">
  <link rel="stylesheet"
href="Styles.css">
  <script
src="https://cdn.jsdelivr.net/npm/chart.js@2.9.4"></script>
</head>
<body>
```

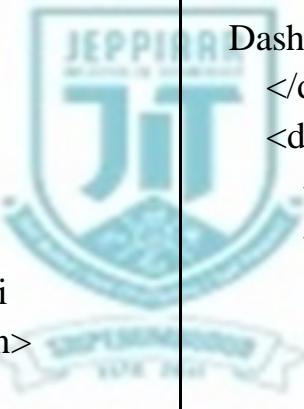


```
<div class="sidebar">
  <div class="profile">
    
    <h3>Vishwaharan M</h3>
    <p>Designer</p>
  </div>
  <ul>
    <li>
      <a href="#">
        <span class="icon"><i
class="fas fa-home"></i></span>
        <span
class="item">Home</span>
      </a>
    </li>
    <li>
      <a href="#" class="active">
        <span class="icon"><i
class="fas fa-desktop"></i></span>
```

```

<span class="item">My
Dashboard</span>
</a>
</li>
<li>
<a href="#">
    <span class="icon"><i
class="fas fa-user-friends"></i></span>
    <span
class="item">People</span>
</a>
</li>
<li>
<a href="#">
    <span class="icon"><i
class="fas fa-tachometer-alt"></i></span>
    <span
class="item">Perfomance</span>
</a>
</li>
<li>
<a href="#">
    <span class="icon"><i
class="fas fa-database"></i></span>
    <span
class="item">Development</span>
</a>
</li>
<li>
<a href="#">
    <span class="icon"><i
class="fas fa-chart-line"></i></span>
    <span
class="item">Reports</span>
</a>
</li>
<li>
<a href="#">
    <span class="icon"><i
class="fas fa-user-shield"></i></span>

```



```

<span
class="item">Admin</span>
</a>
</li>
<li>
<a href="#">
    <span class="icon"><i
class="fas fa-cog"></i></span>
    <span
class="item">Settings</span>
</a>
</li>
</ul>
</div>
</div>
<div class="top-bar">
    <h2>Task Management
Dashboard</h2>
</div>
<div class="container">
    <center>
        <div class="row">
            <div class="col-md-4">
                <div class="card">
                    
                    <br>
                    <h2>Total Tasks</h2>
                    <p>100</p>
                </div>
            </div>
            <div class="col-md-4">
                <div class="card">
                    
                    <br>
                    <h2>Completed Tasks</h2>
                    <p>35</p>
                </div>
            </div>
            <div class="col-md-4">

```

```

<div class="card">
    
        <h2>In Progress</h2>
        <p>75</p>
    </div>
</div>
</center>
<div class="row chart-container">
    <div class="col-md-6">
        <p>Workload by Tasks</p>
        <canvas
            id="workloadByTasksChart"></canvas>
    </div>
    <div class="col-md-6">
        <p>Workload by Duration</p>
        <canvas
            id="workloadByDurationChart"></canvas>
    </div>
    </div>
    <div class="row chart-container">
        <div class="col-md-6">
            <p>Task by Status</p>

```

```

<canvas
    id="taskByStatusChart"></canvas>
</div>
<div class="col-md-6">
    <!-- Percentage of Sales
    Increment Chart -->
    <p>Task by Duration</p>
    <canvas
        id="taskByDurationChart"></canvas>
    </div>
    </div>
    <!-- Print Button -->
    <script
        src="https://cdn.jsdelivr.net/npm/jquery@3
        5.1/dist/jquery.min.js"></script>
    <script
        src="https://cdn.jsdelivr.net/npm/popper.js
        @1.16.0/dist/umd/popper.min.js"></script>
    >
    <script
        src="https://cdn.jsdelivr.net/npm/bootstrap
        @4.5.2/dist/js/bootstrap.min.js"></script>
    <script src="Chart.js"></script>
</body>
</html>

```

Styles.css

```

body {
    font-family: Arial, sans-serif;
}
img{
    margin-left: 130px;
    width: 50px;
}
p{
    font-size: 20px;
    font-weight: bold;
    text-align: center;
}
}

.top-bar {
    background-color:rgb(5, 68, 104);
    color: #fff;
    text-align: center;
    padding: 10px 0;
    border: 2px solid blue;
    border-radius: 10px;
    margin-left: 300px;
    margin-right: 10px;
}

```

```

.top-bar h2{
    text-align: center;
}

li{
    list-style: none;
}

.sidebar{
    background: rgb(5, 68, 104);
    position: fixed;
    top: 0;
    left: 0;
    width: 280px;
    height: 100%;
    padding: 20px 0;
    transition: all 0.5s ease;
}

.sidebar .profile{
    margin-bottom: 30px;
    text-align: center;
}

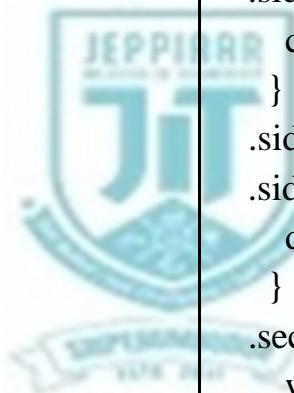
.sidebar .profile img{
    display: block;
    width: 100px;
    height: 100px;
    border-radius: 50%;
    margin: 0 auto;
}

.sidebar .profile h3{
    color: #ffffff;
    margin: 10px 0 5px;
}

.sidebar .profile p{
    color: rgb(206, 240, 253);
    font-size: 14px;
}

.sidebar ul li a{
    display: block;
    padding: 13px 30px;
    border-bottom: 1px solid #10558d;
    color: rgb(241, 237, 237);
}

```



```

    font-size: 16px;
    position: relative;
}

.sidebar ul li a .icon{
    color: #dee4ec;
    width: 30px;
    display: inline-block;
}

.sidebar ul li a:hover,
.sidebar ul li a.active{
    color: #0c7db1;
    background:white;
    border-right: 2px solid rgb(5, 68, 104);
}

.sidebar ul li a:hover .icon,
.sidebar ul li a.active .icon{
    color: #0c7db1;
}

.sidebar ul li a:hover:before,
.sidebar ul li a.active:before{
    display: block;
}

section{
    width: calc(100% - 225px);
    margin-left: 225px;
    transition: all 0.5s ease;
}

.container {
    margin-top: 30px;
    margin-left: 325px; /* Adjust the margin to accommodate the sidebar width */
}

.card {
    border: none;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
    transition: 0.3s;
    padding: 20px;
    text-align: center;
}

```

```
.card:hover {
  box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
}
```

```
.chart-container {
  margin-top: 30px;
  margin-bottom: 50px;
}

};

var taskByStatusData = {
  labels: ["On Hold", "Planning", "Approved", "Pending Review", "Completed", "In Progress"],
  datasets: [
    {
      data: [15, 20, 5, 15, 35, 10],
      backgroundColor: ["yellow", "blue", "lightblue", "red", "lightgreen", "darkgreen"]
    }
  ];
};

var taskByDurationData = {
  labels: ["On Hold", "Planning", "Approved", "Pending Review", "Completed", "In Progress"],
  datasets: [
    {
      data: [18, 26, 9, 4, 33, 57],
      backgroundColor: ["yellow", "blue", "lightblue", "red", "lightgreen", "darkgreen"]
    }
  ];
};

var workloadByTasksChart = new Chart(document.getElementById("workloadByTasksChart"), {
  type: "horizontalBar",
  data: workloadByTasksData,
});

var workloadByDurationChart = new Chart(document.getElementById("workloadByDurationChart"), {
  type: "horizontalBar",
  data: workloadByDurationData,
});

var taskByStatusChart = new Chart(document.getElementById("taskByStatusChart"), {
  type: "pie",
  data: taskByStatusData,
});
```

Chart.js :

```
var workloadByTasksData = {
  labels: ["Crystal Codebase", "Peter Perfcycle", "Harry Helpsalot", "Roger Reports"],
  datasets: [
    {
      label: "Tasks",
      data: [40, 12, 25, 15],
      backgroundColor: ["#007BFF", "#28A745", "#FFC107", "#DC3545"]
    }
  ];
};

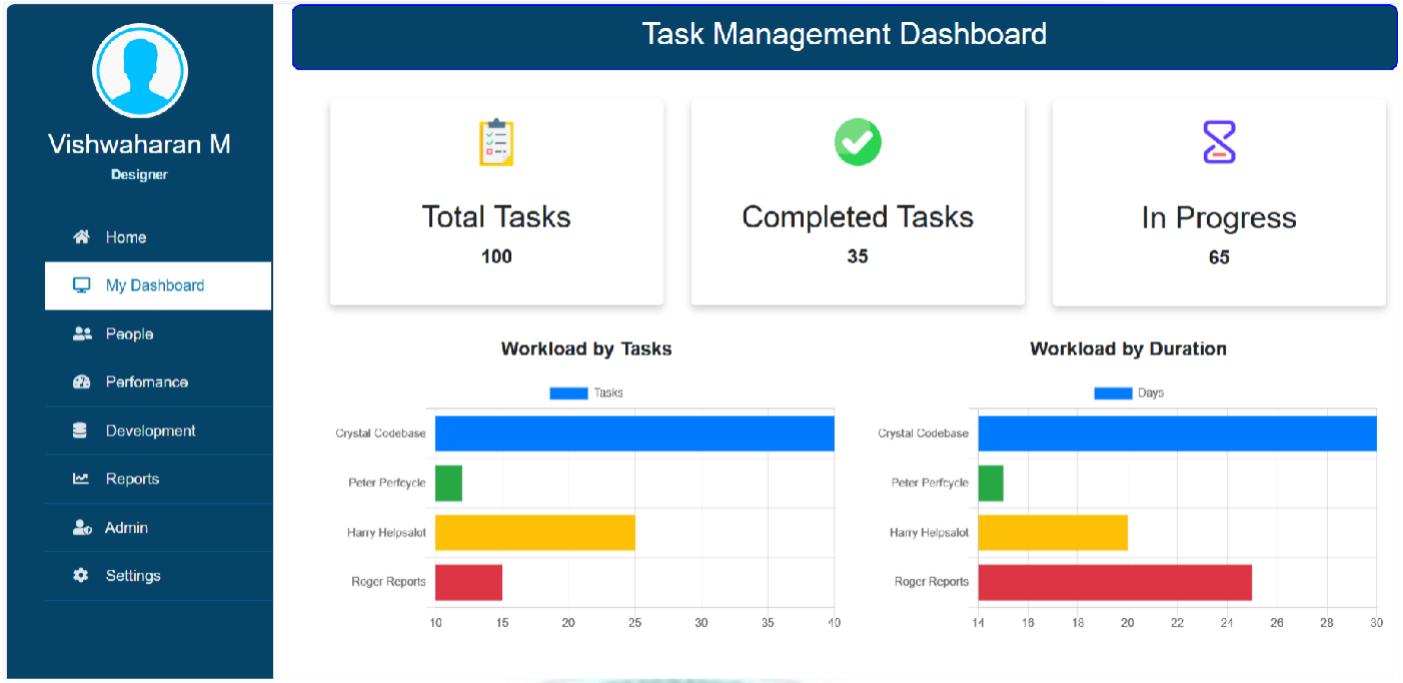
var workloadByDurationData = {
  labels: ["Crystal Codebase", "Peter Perfcycle", "Harry Helpsalot", "Roger Reports"],
  datasets: [
    {
      label: "Days",
      data: [30, 15, 20, 25],
      backgroundColor: ["#007BFF", "#28A745", "#FFC107", "#DC3545"]
    }
  ];
};

var taskByStatusData = {
  labels: ["On Hold", "Planning", "Approved", "Pending Review", "Completed", "In Progress"],
  datasets: [
    {
      data: [15, 20, 5, 15, 35, 10],
      backgroundColor: ["yellow", "blue", "lightblue", "red", "lightgreen", "darkgreen"]
    }
  ];
};
```

```
var taskByDurationChart = new
Chart(document.getElementById("taskByDurationChart"), {
```

```
    type: "pie",
    data: taskByDurationData,
});
```

OUTPUT:





RESULT:

Thus the script to create a simple dashboard for project management has been executed successfully.

EXP NO:8

Develop an online survey application where a collection of questions is available and users are asked to answer any random 5 questions

AIM:

To develop an online survey application where a collection of questions is available and users are asked to answer any random 5 questions

ALGORITHM:

1. Start the program
2. The Index page (Survey.html) allows the users to give their reviews
3. Add the different types of charts using <canvas> tag
4. By using the Chart() function in the 'Chart.js' file, we can configure the properties of the charts
5. The style properties are created in separate sheet in the name of "Design.css"
6. Design.css is linked with the index sheet using the <link> tag
7. Run the program

Survey.html:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
    <title>Survey Form</title>
    <link rel="stylesheet"
href="design.css">

</head>

<body>
    <center><h1>Movie Survey
Form</h1></center>
    <main>
        <form action="chart.html">
            <label for="name" >Name :
</label>
```



```
        <input type="text" name="name"
class="l1" placeholder="Enter your
name"><br><br>
        <label for="mno">Mobile No :
</label>
        <input type="tel" name="mno"
class="l1" placeholder="Enter your mobile
number"><br><br>
        <label for="age" >Age : </label>
        <input type="number" name="age"
class="l1" placeholder="Enter your
age"><br><br>
        <div class="questions">
            <div class="qa">
            <div class="qa">
                1. How often do you watch
movies in a theater?
                <div class="options">
                    <input type="radio"
name="q1"> Once a month
```

```

<input type="radio"
name="q1"> Few times a week
    <input type="radio"
name="q1"> Several times a week
        <input type="radio"
name="q1"> Rarely or Never
    </div>
</div>
<div class="qa">
    2. What is your preferred
movie genre?
    <div class="options">
        <input type="radio"
name="q2"> Action
            <input type="radio"
name="q2"> Comedy
                <input type="radio"
name="q2"> Crime
                    <input type="radio"
name="q2"> Science Fiction
                </div>
            </div>
        <div class="qa">
            3. On a scale of 1 to 5, how
would you rate the last movie you
watched?
            <div class="options">
                <input type="radio"
name="q3"> 1 (Terrible)
                    <input type="radio"
name="q3"> 2 (Not great)
                        <input type="radio"
name="q3"> 3 (Average)
                            <input type="radio"
name="q3"> 4 (Good)
                                <input type="radio"
name="q3"> 5 (Excellent)
                </div>
            </div>
        <div class="qa">

```



4. Do you usually read movie reviews or ratings before deciding to watch a film?

```

<div class="options">
    <input type="radio"
name="q4"> Yes, always
        <input type="radio"
name="q4"> Yes, sometimes
            <input type="radio"
name="q4"> No, never
        </div>
    </div>
    <div class="qa">
        5. Where do you prefer to
watch movies?
        <div class="options">
            <input type="radio"
name="q5"> In a movie theater
                <input type="radio"
name="q5"> On streaming platforms
                    <input type="radio"
name="q5"> Both
            </div>
        <div class="qa">
            6. How important is the
movie's cast in influencing your choice to
watch a film?
            <div class="options">
                <input type="radio"
name="q6"> Very important
                    <input type="radio"
name="q6"> Somewhat important
                        <input type="radio"
name="q6"> Not important
                </div>
            </div>
            <div class="qa">
                7. Have you ever walked out
of a movie before it ended?
                <div class="options" id="q7">

```

```

<input type="radio"
name="q7"> Yes
    <input type="radio"
name="q7"> No
</div>
</div>
<div class="qa">
    8. What is your favorite part
of the movie-watching experience?
    <div class="options">
        <input type="radio"
name="q8"> Storyline
        <input type="radio"
name="q8"> Acting
        <input type="radio"
name="q8"> Special Effects
        <input type="radio"
name="q8"> Soundtrack
    </div>
</div>
<div class="qa">
    9. Do you prefer watching
movies alone or with friends / family?
    <div class="options">
        <input type="radio"
name="q9"> Alone
        <input type="radio"
name="q9"> With friends

```



```

<input type="radio"
name="q9"> With family
</div>
</div>
<div class="qa">
    10. How do you usually
choose the movies you watch?
    <div class="options">
        <input type="radio"
name="q10"> Personal Interest
        <input type="radio"
name="q10"> Online reviews
        <input type="radio"
name="q10"> Trailers
        <input type="radio"
name="q10"> Randomly
    </div>
</div>
</div>
<center>
    <button
type="submit">Submit</button>
</center>
</form>
</main>
</body>
</html>

```

Chart.html :

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
    <title>Review</title>

```

```

<script
src="https://cdnjs.cloudflare.com/ajax/libs/
Chart.js/2.9.4/Chart.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/
Chart.js/2.5.0/Chart.min.js"></script>
<style>
    .chart {
        display: flex;

```

```

gap: 230px;
padding-top: 2em;
margin-left: 80px;
}

#c2 {
justify-content: center;
align-items: center;
}

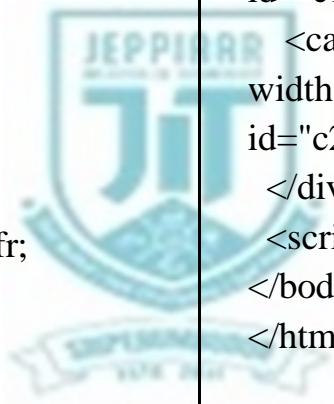
.hh {
font-size: 2rem;
text-align: center;
}

html {
background: wheat;
}

header {
display: grid;
grid-template: 1fr / 1.2fr 0.86fr;
}

header h2 {

```



```

font-size: 2em;
margin-left: 180px;
}
</style>
</head>

<body>
<h2 class="hh">Movie Review
Report</h2>
<header>
<h2>Favorite Movie Genre</h2>
<h2>Ratings</h2>
</header>
<div class="chart">
<canvas id="myChart" style="max-
width:500px; height: 450px;">
<id=c1></canvas>
<canvas id="mychart" style="max-
width:650px; height: 450px;">
<id=c2></canvas>
</div>
<script src="chart.js"></script>
</body>
</html>

```

Design.css :

```

html {
background-image: url(images/bg.png);
background-repeat: no-repeat;
background-size: cover;
font-family: 'Segoe UI', Tahoma,
Geneva, Verdana, sans-serif;
}

h1 {
padding: 0.5rem;
font-size: 1.8rem;
color: blanchedalmond;
}

main {
display: flex;
justify-content: center;
align-items: center;
font-size: 1.2em;
}

form {
display: inline-block;
background-color: rgba(255, 255, 255,
0.9);
padding: 4rem;

```

```

border-radius: 1.5em;
width: 650px;
margin-bottom: 20px;
}

.ll{
  display: inline-block;
  border: 2px solid darkred;
  padding: 1em;
  border-radius: 1em;
  margin-top: 1em;
  width: 100%;
}

button {
  background-color: rgba(183, 24, 24, 0.854);
  color: white;
  padding: 0.9em;
  border-radius: 1rem;
  font-size: 1rem;
}

.options {
  display:grid;
}

.grid {
  grid-template: 1fr 1fr auto / 0.3fr 1fr
  0.3fr 1fr;
  row-gap: 0.5rem;
  padding: 1em;
}

input[type="radio"] {
  width: 1.25em;
  height: 1.25em;
}

.qa {
  padding: 0.1rem;
}

input[type="radio"] {
  margin-left: 10px;
}

#q7 {
  display:grid;
  grid-template: 1fr / 0.3fr 1fr 0.3fr 1fr;
  row-gap: 0.5rem;
  padding: 1em;
}

```

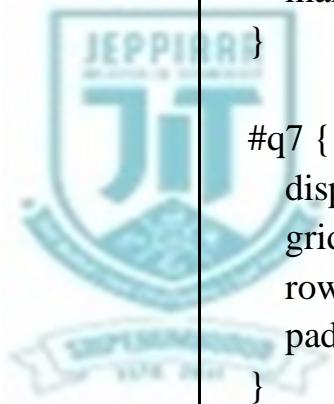


Chart.js :

```

// Doughnut Chart
var xValues = ["Action", "Comedy",
"Crime", "Science Fiction"];
var yValues = [55, 49, 44, 24];
var barColors = [
  "#b91d47",
  "#00aba9",
  "#2b5797",
  "#e8c3b9",
];
new Chart("myChart", {
  type: "doughnut",
  data: {
    labels: xValues,
    datasets: [{
      backgroundColor: barColors,
      data: yValues
    }]
  },
  options: {
    title: {
      display: true,
      text: "Favorite Movie Genre",
    }
  }
}

```

```

});

// Bar Chart
var xvalues = ["Terrible", "Not Great",
"Average", "Good", "Excellent"];
var yvalues = [13, 18 , 30, 25 ,20];
var barcolors = ["red",
"orange","yellow","lightgreen","green"];

new Chart("mychart", {
  type: "bar",
  data: {
    labels: xvalues,

```

```

datasets: [{  

  backgroundColor: barcolors,  

  data: yvalues  

}],  

options: {  

  legend: {display: false},  

  title: {  

    display: true,  

    text: "Ratings"  

  }  

}  

});

```



OUTPUT:

Movie Survey Form

Name :
Vishwaharan M

Mobile No :
6385872619

Age :
19

1. How often do you watch movies in a theater?
 Once a month Few times a week
 Several times a week Rarely or Never

2. What is your preferred movie genre?
 Action Comedy
 Crime Science Fiction

3. On a scale of 1 to 5, how would you rate the last movie you watched?
 1 (Terrible) 2 (Not great)
 3 (Average) 4 (Good)
 5 (Excellent)

4. Do you usually read movie reviews or ratings before deciding to watch a film?
 Yes, always Yes, sometimes
 No, never

5. Where do you prefer to watch movies?
 In a movie theater On streaming platforms
 Both

6. How important is the movie's cast in influencing your choice to watch a film?
 Very important Somewhat important
 Not important

7. Have you ever walked out of a movie before it ended?
 Yes No

8. What is your favorite part of the movie-watching experience?
 Storyline Acting
 Special Effects Soundtrack

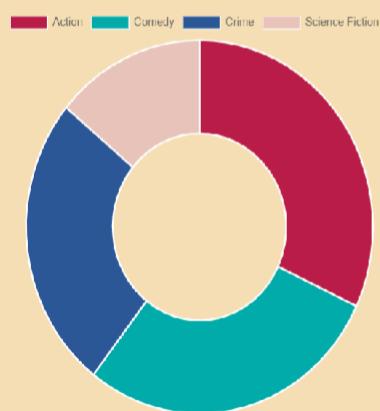
9. Do you prefer watching movies alone or with friends / family?
 Alone With friends
 With family

10. How do you usually choose the movies you watch?
 Personal Interest Online reviews
 Trailers Randomly

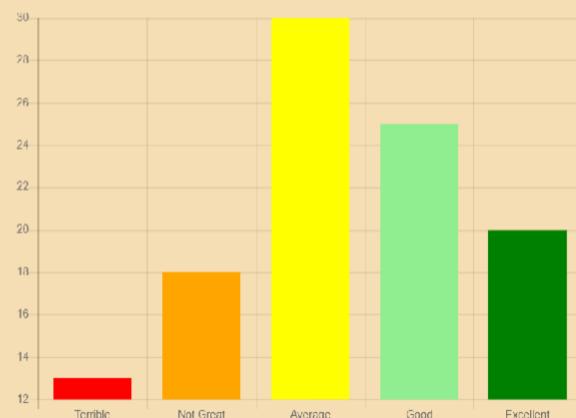
Submit

Movie Review Report

Favorite Movie Genre



Ratings



RESULT:

Thus the script to create a survey application has been executed successfully.