Department of Computer Science & Engineering

INDEX

S.No.	Program	Date	Sign
1	Design the following static web pages required for an online book store website. HOMEPAGE: The static home page must contain three frames. Top frame: Logo and the college name and links to Homepage, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below). For example: When you click the link "CSE" the catalogue for CSE Books should be displayed in the Right frame. Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site. Logo — Web Site Name Home / Login / Registration / Catalogue / Cart CSE ECE EEE CIVIL — Description of the WebSite		
2	**LOGINPAGE:** This page looks like below: Logo — WebSite Name Home / Login / Registration / Catalogue / Cart CSE ECE EEE CIVIL Login Page User Name: [ ] Passwords: [ ] Submit Reset		
3	**CATOLOGUE PAGE:** The catalogue page should contain the details of all the books available in the website in a table. The details should contain the following: 1. Snap shot of Cover Page. 2. Author Name.		

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	3. Publisher. 4. Price. 5. Add to cart button.		
4	**CARTPAGE:** The cart page contains the details about the books which are added to the cart. The cart page should look like this: <table><tr><td>Logo</td><td colspan="4">Web Site Name</td></tr><tr><td>Home</td><td>Login</td><td>Registration</td><td>Catalogue</td><td>Cart</td></tr><tr><td>CSE ECE EEE CIVIL</td><td>Book name Java 2 XML bible Total amount</td><td>Price $35.5 $40.5 - $130.5</td><td>Quantity 2 1</td><td>Amount $70 $40.5</td></tr></table>		
5	**REGISTRATION PAGE :** Create a" registration form" with the following fields: 1) Name (Text field) 2) Password (password field) 3) E-mailid(text field) 4) Phone Number(text field) 5) Sex(radio button) 6) Date of birth(3 select boxes) 7) Languages known(checkboxes–English, Telugu, Hindi, Tamil) 8) Address(text area)		
6	**Js VALIDATION:** Write *JavaScript* **to validate** the following fields of the above registration page. 1. Name (Name should contains alphabets and the length should not be less than 6 characters). 2. Password (Password should not be less than 6 characters length).		
7	**Js VALIDATION:** 3. E-mailid (should not contain any invalid and must follow the standard pattern(name@domain.com) 4. Phone Number(Phone number should contain 10 digits only).		
8	**CSS:** Design a web page using **CSS(C**ascading **S**tyle **S**heets**)** which includes the following: 1. Use different font, styles: In the style definition you define how each selector should work(font, color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles. 2. Set a background image for both the page and single elements on the page.		
9	**CSS:** 1. Control the repetition of the image with the background-repeat property. 2. Define styles for links as A:link A:visited A:active A:hover		

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| 10 | Consider a small topic of your choice on which you can develop static Webpages and try to implement all topics of html, CSS and Js within the topic.
 Choose any one topic.

1. Your Own Portfolio

2. To-Do List

3. Survey Form

4. A Tribute Page

5. A Questionnaire | | |

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EXPERIMENT-1

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: The static home page must contain three frames. Top frame: Logo and the college name and links to Homepage, Login page, Registration page, Catalogue page and Cart page.

CODE:

```html
<html>
<head>
<title>Home</title>
<link rel='stylesheet' href="style.css">
<head>
<body>
<table>
  <tr bgcolor="orange">
    <td><img class="img" src="Assets/akgec logo.png";></td>
    <td colspan="4" align="center">Online Book Shop</td>
  </tr>
  <tr bgcolor="pink">
    <td><a href ="home.html" class="link">Home</a></td>
    <td><a href ="login.html" class="link">Login</a></td>
    <td><a href ="registration.html" class="link">Registration</a></td>
    <td><a href="catologue.html" class="link">Catalogue</a></td>
    <td><a href="cart.html" class="link">Cart</a></td>
  </tr>
    <tr>
```

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```
<td>CSE</td>

<td colspan="4" rowspan="4" align="center">

    <p>The college was established in 1998 and offers B.Tech Courses in seven disciplines  of
Engineering.

        The college also offers M.Tech in Automation and Robotics, Electronics &  Communication
Engineering,
        Computer Science, Electrical and Electronics Engineering and Mechanical
Engineering.</p>
  </td>
  </tr>
  <tr>
  <td>ECE</td>
  </tr>
  <tr>
  <td>EEE</td>
  </tr>
  <tr>
  <td>CIVIL</td>
  </tr>
   </table>
   </body>
   </html>
```

OUTPUT:

	Online Book Shop			
Home	Login	Registration	Catalogue	Cart
CSE	The college was established in 1998 and offers B.Tech Courses in seven disciplines of Engineering. The college also offers M.Tech in Automation and Robotics, Electronics & Communication Engineering, Computer Science, Electrical and Electronics Engineering and Mechanical Engineering.			
ECE				
EEE				
CIVIL				

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EXPERIMENT-2

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: Create a Login page.

CODE:

```html
<html>
<head>
<title>Login</title>
<link rel='stylesheet' href="style.css">
</head>


<body>
<table>
  <tr bgcolor="orange">
    <td><img class="img" src="akgec logo.png";></td>
    <td colspan="4" align="center">Online Book Shop </td>
  </tr>
  <tr bgcolor="pink">
    <td><a href ="home.html" class="link">Home</a></td>
    <td><a href ="login.html" class="link">Login</a></td>
    <td><a href ="registration.html" class="link">Registration</a></td>
    <td><a href="catologue.html" class="link">Catalogue</a></td>
    <td><a href="cart.html" class="link">Cart</a></td>
  </tr>
        <tr>
<td>CSE</td>
<td colspan="4" rowspan="4" align="center" >
  <form>
    <label for="fname">User Name:</label>
    <input type="text" value=""
```

placeholder="Enter Your UserName" required>

    <label for="lname">Password: </label>
    <input type="password" value="" placeholder="Enter
    Password" required>

    <input type="submit" class="button" value="Submit">
    <input type="submit" class="button" value="Reset">
     </form>
 </td>
 </tr>
 <tr>
 <td>ECE</td>
 </tr>
 <tr>
 <td>EEE</td>
 </tr>
 <tr>
 <td>CIVIL</td>
 </tr>
 </table>
 </body>
 </html>

OUTPUT:

AJAY KUMAR GARG ENGINEERING COLLEGE
(Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow, UP, College Code - 027)

A++
NAAC

Department of Computer Science & Engineering

EXPERIMENT-3

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: CATOLOGUE PAGE:

The catalogue page should contain the details of all the books available in the website in a table. The details should contain the following: 1. Snap shot of Cover Page. 2. Author Name. 3. Publisher. 4. Price. 5. Add to cart button.

CODE:

```html
<html>
<head>
<title>CSE</title>
<link rel='stylesheet' href="style.css">
</head>

<body>
<table>
  <tr bgcolor="orange">
    <td><img class="img" src="Assets/akgec logo.png"></td>
    <td colspan="4" align="center">Online Book Shop</td>
  </tr>
  <tr bgcolor="pink">
    <td><a href ="home.html" class="link">Home</a></td>
    <td><a href ="login.html" class="link">Login</a></td>
    <td><a href ="registration.html" class="link">Registration</a></td>
    <td><a href="catologue.html" class="link">Catalogue</a></td>
    <td><a href="cart.html" class="link">Cart</a></td>
  </tr>
      <tr>
<td><a href="CSE.html" class="link">CSE</a></td>
<td colspan="4" rowspan="4" >
```

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```
<div class="scroll">
    <table>
<tr>
  <td><b>Books</b></td>


  <td><b>     Price     </b></td>
  <td><b>     Cart     </b></td>
    </tr>
    <tr>
  <td ><img src="Assets/maths.jpeg" class="img"></td>
  <td><pre>     $40.3
<b>Publisher</b>:Shree Sai
<b>Author</b>:D.C. Agrawal</pre><br></td>
     <td><button onclick="addToCart1" class="button">Add to cart
</button>  </td>
       </tr>
       <tr>
  <td ><img src="Assets/Xml.jpeg" class="img"></td>
  <td><pre>     $15.5
<b>Publisher</b>:Wiely
<b>Author</b>:Winston</pre><br></td>
     <td><button onclick="addToCart2" class="button">Add to
cart</button>  </td>
       </tr>
       <tr>
  <td ><img src="Assets/chemistry.jpeg" class="img"></td>
  <td><pre>     $25.3
<b>Publisher</b>:Dhanpat Rai
<b>Author</b>:Jain</pre><br></td>
     <td><button onclick="addToCart3" class="button">Add to
cart</button>  </td>
       </tr>
       <tr>
  <td ><img src="Assets/physics.jpeg" class="img"></td>
  <td><pre>     $19.9
<b>Publisher</b>:S Chand
<b>Author</b>:S Chand</pre></td>
```

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```
        <td><button onclick="addToCart4" class="button">Add to
cart</button>  </td>
            </tr>
            </table>
        </div>
    </td>
    </tr>
    <tr>
    <td>ECE</td>
    </tr>
    <tr>
    <td>EEE</td>
    </tr>
    <tr>
    <td>CIVIL</td>
    </tr>
    </table>
    </body>
    </html>
```

OUTPUT:

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EXPERIMENT-4

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: Cart Page:

Create a Cart Page with following fields

Detail about the books which are added to cart and give total of the same.

CODE:

```html
<html>
<head>
<title>CSE</title>
<link rel='stylesheet' href="style.css">
</head>
<body>
<table>
            <tr bgcolor="orange">
                    <td><img class="img" src="Assets/akgec logo.png"></td>
                    <td colspan="4" align="center">Online Book Shop</td>
        </tr>
        <tr bgcolor="pink">
            <td><a href ="home.html" class="link">Home</a></td>
            <td><a href ="login.html" class="link">Login</a></td>
            <td><a href ="registration.html" class="link">Registration</a></td>
            <td><a href="catologue.html" class="link">Catalogue</a></td>
            <td><a href="cart.html" class="link">Cart</a></td>
        </tr>
        <tr>
        <td><a href="CSE.html" class="link">CSE</a></td>
        <td colspan="4" rowspan="4" >
                    <div class="scroll">
                    <table>
```

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```
<tr>
  <td><b>Books</b></td>
  <td><b>     Quantity     </b></td>
  <td><b>     Price     </b></td>
</tr>
<tr>
  <td> Maths 1</td>
  <td>2</td>
  <td><pre>$40.3</pre><br></td>
</tr>
<tr>
  <td>Chemistry</td>
  <td>1</td>
  <td><pre>$25.3</pre><br></td>
</tr>
<tr>
  <td>Xml Bible</td>
  <td>3</td>
  <td><pre>$15.5</pre><br></td>
</tr>
<tr>
  <td> Physics</td>
  <td>1</td>
  <td><pre>$19.9</pre><br></td>
</tr>
<tr>
  <td><b>Total</b></td>
  <td><b>6</b></td>
  <td><b>$172.3</b><br></td>
</tr>
 </table>
</td>
```

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```
        </tr>
        <tr>
        <td>ECE</td>
        </tr>
        <tr>
        <td>EEE</td>
        </tr>
        <tr>
        <td>CIVIL</td>
        </tr>

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

OUTPUT:

	Online Book Shop			
Home	Login	Registration	Catalogue	Cart

	Books	Quantity	Price
CSE	Maths 1	2	$40.3
ECE	Chemistry	1	$25.3
EEE	Xml Bible	3	$15.5
	Physics	1	$19.9
CIVIL	**Total**	**6**	**$172.3**

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EXPERIMENT-5

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: <u>**Registration Page**</u>:

Create a Registration Page with following fields

Name, Passwords, Email, Phone Number, Sex , DOB, Language Known and Address.

CODE:

```html
<html>
<head>
<title>Registration</title>
<link rel='stylesheet' href="style.css">
</head>


<body>
<table>
        <tr bgcolor="orange">
            <td><img class="img" src="Assets/akgec logo.png";></td>
            <td colspan="4" align="center">Online Book Shop</td>
        </tr>
        <tr bgcolor="pink">
            <td><a href ="home.html" class="link">Home</a></td>
            <td><a href ="login.html" class="link">Login</a></td>
            <td><a href ="registration.html" class="link">Registration</a></td>
            <td><a href="catologue.html" class="link">Catalogue</a></td>
            <td><a href="cart.html" class="link">Cart</a></td>
        </tr>
        <tr>
        <td>CSE</td>
        <td colspan="4" rowspan="4" align="center" class="registration" >
```

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```html
<form style="padding-top: -0px; margin-top: 0;">
<label for="fname">Name:</label>
            <input type="text" placeholder="Enter Your Name" required><br>
<label for="password"> Password: </label>
<input type="password" placeholder="Enter Password" required><br>
<label for="mail">Email:</label>
            <input type="email" placeholder="Enter Your Email" required><br>
<label for="phoneno">Phone No.:</label>
            <input type="tel" value="" placeholder="Enter Your Phone No."
required><br>
 <label for="Gender">Gender:</label>
             <input type="radio" name="gender" value="Male" required>Male
&nbsp
             <input type="radio" name="gender" value="Female"
required>Female<br>
            <label for="dob">Date Of Birth</label>
            <input type="date"><br>
            <label for="language">Language :&nbsp</label>
            <input type="radio" name="language" value="" required>English
            <input type="radio" name="language" value="" required>Hindi
            <input type="radio" name="language" value="" required>Tamil
            <input type="radio" name="language" value="" required>Telgi<br>
            <label for="Address">Address:</label>
            <input type="text" placeholder="Enter Your Address">
            <button>
        </form>
    </td>
        </tr>
        <tr>
        <td>ECE</td>
        </tr>
        <tr>
        <td>EEE</td>
        </tr>
        <tr>
        <td>CIVIL</td>
```

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```
        </tr>
    </table>
    </body>
    </html>
```

OUTPUT:

	Online Book Shop			
Home	Login	Registration	Catalogue	Cart
CSE				
ECE		Name: [Enter Your Name]		
		Password: [Enter Password]		
		Email: [Enter Your Email]		
		Phone No.: [Enter Your Phone No.]		
EEE		Gender: ○Male ○Female		
		Date Of Birth [dd-mm-yyyy 📅]		
		Language : ○English ○Hindi ○Tamil ○Telgi		
CIVIL		Address: [Enter Your Address]		

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EXPERIMENT-6

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: Validation:

1) Name Should be alphabet and should be less than 6 characters length.
2) Password should not be less than 6 characters length.

CODE:

```
const contactForm = document.querySelector(".contact_form");
const NameInput =document.querySelector(".name");
contactForm.addEventListener('submit', function (event) {
  event.preventDefault();
  if (isValidName(NameInput.value)) {} else {
  alert("Too Short Name.....")}
  if (isValidCharacter(NameInput.value)) {} else {
  alert("Name should be alphabet.....")}
});
function isValidName(name) { return name.length>5; } function
isValidCharacter(name) {
  const alphabet = /^[a-zA-Z]+$/; return
  alphabet.test(name);
}
const PasswordInput =document.querySelector(".password");
contactForm.addEventListener('submit', function (event) {
  event.preventDefault();
  if (isValidPassword(PasswordInput.value)){} else {
  alert("Too Short Password.....")}
});
function isValidPassword(pass) { return
  pass.length>5;
}
```

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OUTPUT:

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EXPERIMENT-7

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: <u>Validation</u>:

3) Email should be of standard format i.e. name@domain.com .

4) Phone Number should contain exactly 10 digit .

CODE:

```
const emailInput = document.querySelector(".email");
contactForm.addEventListener('submit', function (event) {
  if (isValidEmail(emailInput.value)) {} else {
  alert("Wrong Email.....")}
});
function isValidEmail(email) {
  const emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
  return emailPattern.test(email);
}
const PhoneNumberInput = document.querySelector(".phonenumber");
contactForm.addEventListener('submit', function (event) {
  event.preventDefault();
  if (isValidPhoneNumber(PhoneNumberInput.value)) {} else {
  alert("Enter 10 digit Phone Number.....")}
  if (isValidPhoneNumberchar(PhoneNumberInput.value)) {} else {
  alert("Enter digits only.....")}
});
function isValidPhoneNumber(phone) { return
 phone.length==10;
}
function isValidPhoneNumberchar(phone) { const
  numberPattern= /^[0-9]+$/;
  return numberPattern.test(phone);
}
```

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OUTPUT:

AJAY KUMAR GARG ENGINEERING COLLEGE

(Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow, UP, College Code - 027)

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127.0.0.1:5500 says

Enter digits only.....

OK

Home	Login	Registration	Catalogue	Cart

CSE	
ECE	Name: TejasSharma Password : •••••••••• 👁 Email: tejas@gmail.com Phone No.: 123456789A Gender: ⦿Male ◯Female Date Of Birth 19-12-2023 📅 Language : ⦿English ◯Hindi ◯Tamil ◯Telgi Address: 123,xyz road Submit
EEE	
CIVIL	

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EXPERIMENT-8

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: <u>CSS Styling</u>:

1) Use font and styles.
2) Set a background Image.

CODE:

```
*{
 margin: 0;
 padding: 0;  font-size:
 3vh;
}
body{
 background-image: url(Assets/backgroundimage.jpg);  font-
 family: 'Times New Roman', Times, serif;
}
table{
 border-color: blue;  border: 1px
 solid black;  height: 100%;
 width: 100%;
}
td{
 height: 1vw;
 border: 2px solid black;  text-
 align: center;
}
pre, pre>b{
 font-size: 25px;
}
```

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```css
form{
 height: 10vw;
}
.img {
   height:70px; width :70px;
   transition: all ease 0.5s;
}
.img:hover{
 border-radius: 10px; height:
 200px; width: 200px;
}
.button { padding: 0.4vw;
 font-size: 25px;
 border-radius: 25px; color:
 black;


}
.button:hover {
 border-color: #1d70dd;
 box-shadow: 5px 5px 8px 1px #5388ce; font-
 size: 35px;
 background-color: #2774d8; color:
 #ffffff;
}
.link{
 color: black;
 text-decoration: none;
}
.books{
 background-color: #b8c7db;
}
.scroll {
 background-color: #eee; width: 100%;
 height: 90%; border: 0px
 black; overflow-y: scroll;
}
.scroll table,.scroll td{ border:
```

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```
    0px;
}
.registration>form{  font-
size: 15px;
}
```

OUTPUT:

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EXPERIMENT-9

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: <u>CSS Styling</u>:

1) Control Background Image repetition property.

2) Define style for link as: A:link,A:visited,A:active,A:hover.

CODE:

```
body{
  background-image: url(Assets/backgroundimage.jpg);
  background-repeat: no-repeat;
}
A:link{
  color: black;
}
A:visited{
  color: darkblue;
}
A:active{
  color: skyblue;
}
A:hover{ color:
  red;
}
```

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OUTPUT:

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EXPERIMENT-10

OBJECTIVE		
Scheduled Date	**Compiled Date**	**Submission Date**

PROGRAM: To Make a ToDo list using HML,CSS and JavaScript.

CODE:

Index.html

```html
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <link rel="icon" href="Assets/icon.png" type="image/x-icon" />
  <link rel="stylesheet" href="style.css" />
  <title>TODO LIST</title>
 </head>
 <body>
  <div class="app">
   <div class="Entry">
    <form>
     <span id="input">
      <input type="text" class="data" placeholder="Add Your Task">
     </span>
     <span id="button">
```

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```
      <button class="add">+</button>

    </span>

   </form>

  </div>

  <div class="todo">

  <span class="clear">Clear</span>

      </div>

 </div>

 <script src="script.js"></script>

</body>

</html>
```

Style.css

```
* {
 padding: 0;
 border: 0; overflow:
 hidden;
}
body {
 height: 100vh; padding: 0px
 50px;
 background-image: url("Assets/background-desktop.jpg");
 background-size: cover;
 background-position: center left top;
 background-repeat: no-repeat; display: flex;
 justify-content: center; align-
 items: center;
}
form { display: flex;
```

```css
    justify-content: center; align-
    items: center;
}



.Entry {
    background-color: rgba(0, 0, 0, 0.3); border-
    radius: 25px;
    padding: 8px;
}
.data {
    height: 7vh; width:
    56vw;
    border-radius: 25px; outline:
    none;
    font-size: large;
    font-family: "Franklin Gothic Medium", "Arial Narrow", Arial, sans-serif;
    padding-left: 1vw;
}
.add {
    background-color: blue; color:
    aliceblue;
    border-radius: 25px; margin-
    left: 1vw; font-size: large;
    height: 6vh;
    width: 6vh; cursor:
    pointer;
}
.todo {
    background-color: rgba(0, 0, 0, 0.2); border-
```

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```
  radius: 25px;
  padding: 0vw 20px; width: auto;
  max-height: 65vh;
  overflow-y: scroll;
}
.todo::-webkit-scrollbar { display: none;
}
.todo > ul {
}
.todo > ul > li { width: 58vw;
  padding: 2vh 1vw;
  border-radius: 25px;  margin-
  bottom: 5px; font-size: larger;
  font-family: "Franklin Gothic Medium", "Arial Narrow", Arial, sans-serif;
  background-color: aliceblue;
  overflow-x: scroll; text-
  align: left; color: rgb(0, 0,
  0);
}
.todo > ul > li::-webkit-scrollbar { display:
  none;
}
.todo > ul > img { height:
  4vh;
}
.box {
  transform: scale(2); margin: 0vw
  2vw;
  filter: drop-shadow(2px 2px 0px);
}
```

```css
.todo > ul > li > input:checked + .work { text-
  decoration: line-through;
  text-decoration-thickness: 5px;  color: red;
}
.todo > ul > li > input:checked + .box {  filter:
  drop-shadow(0 0 0);
}
.work{
  padding-left: 5vw;
}
@media screen and (max-width: 425px) {  body {
    background-image: url(Assets/background-phone.jpg);
    background-size: cover;  background-
    position: bottom;  background-repeat: no-
    repeat;
  }
  form {
    flex-direction: column;
  }
  .Entry {
    background-color: rgba(0, 0, 0, 0);  width: 95vw;
  }
  #input,
  #button {  padding: 2vw;
    border-radius: 25px;
    background-color: rgba(0, 0, 0, 0.2);
  }
  #input {  width: 90vw;
  }
  .data {
```

```
      width: 89vw;
  }
 #button {  padding-top: 0;
    border-radius: 0px 0px 25px 25px;
  }
 .todo > ul > li {  width:
    50vw;
  }
}
.clear {  cursor:no-drop;
 background-color: red;
 height: 10vh;
}
```

Script.js

```
var ToDo = JSON.parse(localStorage.getItem("TODO")) || [];  const List =
document.querySelector(".todo");
const List_Item = document.querySelector(".data");  const Add =
document.querySelector("#button");  const Clear =
document.querySelector(".clear");


Add.addEventListener("click", function () {
 AddItem(List_Item.value);
});
function AddItem(item) {  if (item)
 {  ToDo.push(item);  makelist();
 }
 localStorage.setItem("TODO", JSON.stringify(ToDo));
}
function makelist() {  var m =
 [];
```

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```
for (i = ToDo.length - 1; i >= 0; i--) {
  m[ToDo.length - i] =
    `<li class= item${i} ><input type="checkbox" class="box" ><br><span class="work">` +
    ToDo[i] +
    "</span></li>";
}
List.innerHTML = "<ul>" + m.join("") + "</ul>";
}
makelist();



Clear.addEventListener("click", function () { localStorage.clear();
  location.reload();
```

OUTPUT:

Laptop

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Mobile Screen