

SRI SIVASUBRAMANIYA NADAR

COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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LABORATORY RECORD

UIT1611 – WEB PROGRAMMING LABORATORY

Name :

Reg. No. :

Dept. : **Sem.** : **Sec.** :



ANNA UNIVERSITY

BONAFIDE CERTIFICATE

Certified that this is the bonafide record of
the practical work done for the

..... ab

by

Name.....

Register Number.....

of Department of

Sri Sivasubramaniya Nadar College of Engineering,

Kalavakkam, Chennai

during the academic year

Staff In-Charge

Head

Department of

Submitted for the University Examination held at

Sri Sivasubramaniya Nadar College of Engineering on

Internal Examiner

External Examiner

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Exp-1

Date- 02/02/2021

Design a website using HTML 4, CSS 2, HTML 5, CSS 3

AIM

- 1a.** HTML 4: Horizontal rule, Links, Image Insertion, Ordered and unordered list, Internal hyper linking, Meta, Simple table, Form, Frames, and Hotspot creation
- 1b.** CSS 2: Types of CSS (inline, internal and external), Selectors, Box model, Layout, and Positioning
- 1c.** HTML 5: New Structural Elements, Audio, Video, Form creation, Canvas API, SVG, and Geo location
- 1d.** CSS 3: Borders, Text effects, Animation, and Transitions

PROCEDURE

- Create the HTML for the different pages required for the application - **<html>**
- Separate each page into different sections, header and footer - **<section>**, **<header>**, **<footer>** & **<body>**
- Define metadata information about the html using **<meta>** tag
- Create ordered and unordered lists - **** , ****
- Use tags for creating simple table - **<table>** , **<tr>** - define row, **<td>** - define data cell , **<th>** - define header cell
- Use forms, images, videos, audio, lists, frames etc. as required - **<form>**, **<video>**, **<audio>**
- **** & **<frame>**
- Use **<map>** tag for creating hotspot
- Create hyper links using **<a>** tag . For internal linking we use '#' and define an id using **<a>**
- Create external CSS by saving them as .css files and include them in html page using **<link>** tag
- Use selectors in CSS like '#' for **id selector** , '.' For **pseudo selector** etc..
- Add CSS positioning like **static, stick , relative & absolute**
- **Use <iframe>** tag to display to get the city and country of the user which implements **Geolocation**
- Use SVG for the logo. (**<svg>**)
- Add various text effect , animations and transitions to the CSS files.

CODE

1a)_HTML 4: Horizontal rule, Links, Image Insertion, Ordered and unordered list, Internal hyper linking, Meta, Simple table, Form, Frames, and Hotspot creation

Main.html

```
<!DOCTYPE html>
<!-- FRAME !-->
<html>
    <frameset cols="350,*">
        <frame src =
"file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ordering
%20system/ex%201-%20basics/vedio.html">

        <frame
src="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20order
ing%20system/ex%201-%20basics/HTML%204.html">

    </frameset>
</html>
```

Html 4.html

```
<!DOCTYPE html>
<html>
    <!-- TITLE & META--!>
    <head>
        <meta name="description" content="An Online Cake Ordering System">
        <meta name="keywords" content="
Cake Near Me  Birthday Cake Bakeries near me Cake Bakeries online    Top Cake Bakery
Wedding Cake Bakers   Famous Bakery Custom Cakes Near My Bakery Wedding Cakes  Cup
Cakes Baker    Cake Bakery Shop        Bakery And Cake Shop">
        <title>Online Cake Ordering System</title>
        <link rel="stylesheet" href="styles.css">
    </head>

    <body>

        <!--HOTSPOT CREATION --!>
        <div class="container">
            
            <div class="top-left"><strong>REVIEWS</strong></div>
        </div>
        <map name="pastry">
```

```

        <area shape="circle" coords="34,44,270,350" alt="Customer Feedback"
href="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ord
ering%20system/reviews.htm">

```

```

<!-- HORIZONTAL RULE !-->

```

```

<hr>

```

```

<table width="800" border="0" align="center" cellpadding="5">
<tr>

```

```

<!-- HEADER - H1 & LAYOUT HEADER-- & STICKY POSITION --!>

```

```

<h1 id="bordering" class="style1" align="center">Welcome to Palettenknife Cakes &
Bakes </h1></div>

```

```

<br></br>

```

```

<div class="header sticky">Use code PNK10 to avail 10%off on all orders</h1></div>

```

```

</tr>

```

```

<tr>

```

```

<td>

```

```

<!-- INTERNAL LINKING --!>

```

```

<!-- NAVIGATION BAR (LAYOUT) & PSEUDO SELECTOR (ANCHOR ELEMENT HOEVER) -
-!>

```

```

<div class="topnav">

```

```

<a href="#About">About</a>

```

```

<a href="#Pastries">Pastries</a>

```

```

<a href="#Cupcakes">Cupcakes</a>

```

```

<a href="#Icecream cakes">Icecream cakes</a>

```

```

<!-- EXTERNAL LINKING --!>

```

```

<a

```

```

href="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ord
ering%20system/login.html">Login</a>

```

```

<a href="https://www.sangeethaveg.com/">Our Veg Restaurant</a>

```

```

<a

```

```

href="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ord
ering%20system/geolocation.html">Location</a>

```

```

</div>

```

```

</td>

```

```

</tr>

```

```

<table width="800" border="0" align="center" cellpadding="5">

```

```

<tr>

```

```

        <a id="About"><td align="center" colspan="10" style="background-
color:#9FE2BF"><b>About</b></td></a>

```

```

</tr>

```

```

<tr>

```

```

<!-- PARAGRAPH--!>

```

```

<td colspan="15">

```

```

<article>

```

```

<p style="color:#c71585; font-size:22px; font-style:italic; text-
align="left";">A <strong>pioneer in the online cake </strong>shop model with associated home
delivery services in Chennai, we cater for all occasions and events like weddings, birthday parties,
engagement parties, and anniversaries. <br>Palettenknife ,Chennai brings a<strong> rich culinary

```



```

        <tr>
            <td><li><strong>Chocolate Bliss</strong></li></td>
            <td>800</td>
            <td>400</td>
        </tr>
    </ul>
</tr>
</table>

```

```

<table width="800" border="0" align="center" cellpadding="5">
    <tr>
        <a id="Cupcakes"><td align="center" colspan="10" style="background-
color:#9FE2BF"><b>Cup Cakes</b></td></a>
    </tr>
    <tr>
        <th align="left">Cakes</th>
        <th align="left">Rate/pc </th>
    </tr>

```

```

<!-- ORDERED LIST --!>
<table width="800" border="0" align="center" cellpadding="5">

    <tr>
        <td>
            <ol type="1" >
                <li><pre> <strong>Mocha</strong>                100 </pre></li>
                <li><pre> <strong>Tiramisu</strong>                150 </pre></li>
                <li><pre> <strong>cookie n cream</strong>    80 </pre></li>
            </ol>
        </td>
    </tr>

```

```

</table>

```

```

<table width="800" border="0" align="center" cellpadding="5">
    <tr>
        <a id="Icecream cakes"><td align="center" colspan="10" style="background-
color:#9FE2BF"><b>IceCream Cakes</b></td></a>
    </tr>
    <tr>
        <th align="left">Cakes</th>
        <th align="left">Rate/Kg </th>
        <th align="left">Rate/ 1/2 Kg</th>
    </tr>
</ul>

```

```

        <tr>
            <td><li><strong>Black Forest Cake</strong></li></td>
            <td>1800</td>
            <td>900</td>
        </tr>
        <tr>
            <td><li><strong>Red Velvet Cake</strong></li></td>
            <td>2000</td>
            <td>1000</td>
        </tr>
        <tr>
            <td><li><strong>Swiss Choco symphony</strong></li></td>
            <td>1600</td>
            <td>800</td>
        </tr>
        <tr>
            <td><li><strong>Mango Kingdom</strong></li></td>
            <td>2200</td>
            <td>1100</td>
        </tr>
        <tr>
            <td><li><strong>Rich Blackcurrent</strong></li></td>
            <td>1800</td>
            <td>900</td>
        </tr>
    </ul>
</tr>
</table>

```

```

    </body>
</html>

```

Vedio.html

```

<html>
<style>
    body{
        background-color: #ffdead;
    }
</style>
<body>

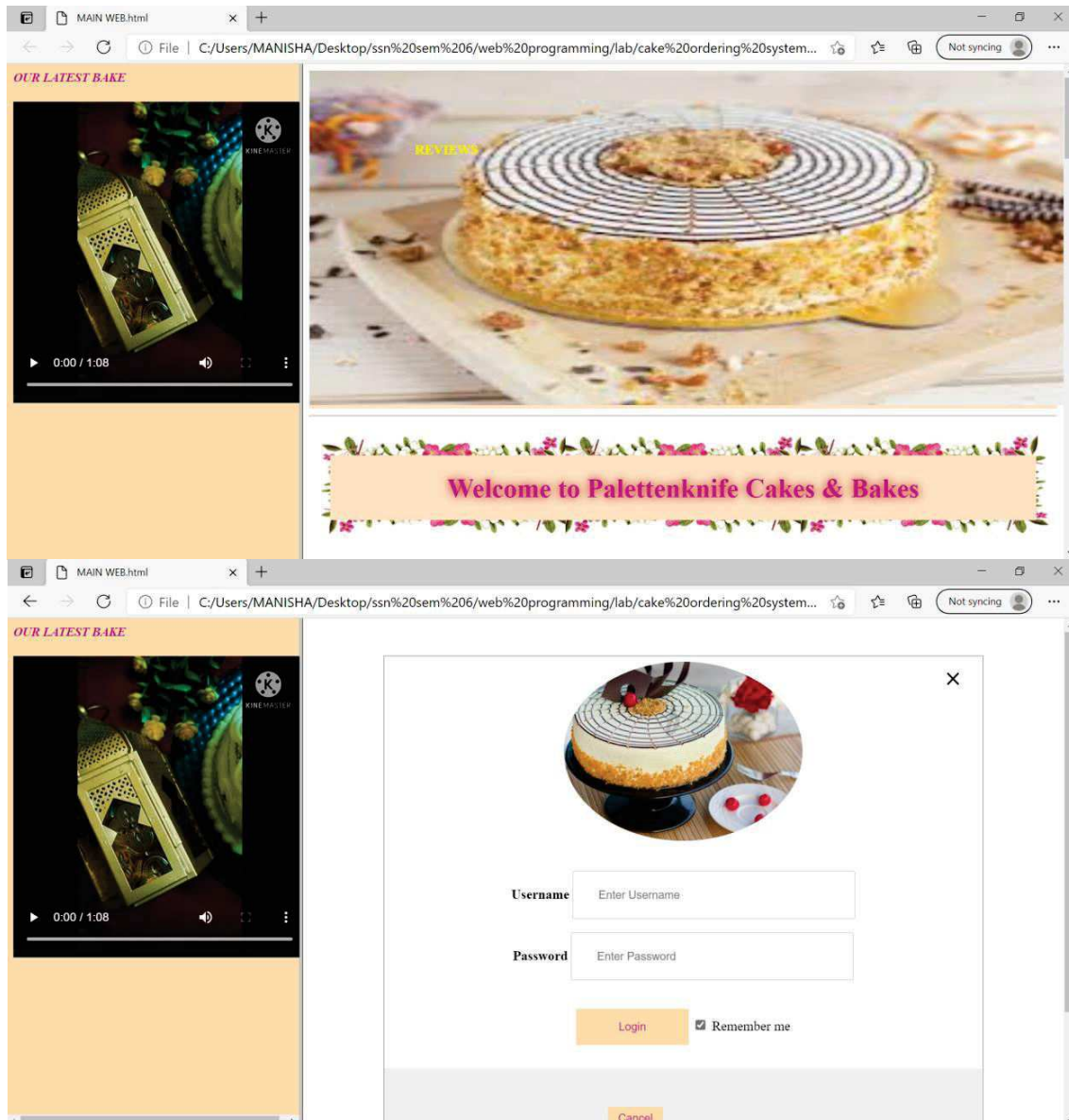
```

```

<h1 style = "color:#c71585; font-size:15px; font-style:italic; text-align="left";"> OUR LATEST
BAKE</h1>
<video width="350" height="370" controls>
<source src="cake.mp4" type="video/mp4">
</video>
</body>
</html>

```

OUTPUT



Date- 09/02/2021

1b) CSS 2: Types of CSS (inline, internal and external), Selectors, Box model, Layout, and Positioning

```
<html>
  <!-- TITLE & META--!>
  <head>
    <meta name="description" content="Review">
    <meta name="keywords" content="
Cake Near Me  Birthday Cake Bakeries near me Cake Bakeries online    Top Cake Bakery
    Wedding Cake Bakers   Famous Bakery Custom Cakes Near My  Bakery Wedding Cakes  Cup
Cakes Baker  Cake Bakery Shop      Bakery And Cake Shop">
    <title>Review</title>
    <!-- EXTERNAL CSS !-->
    <link rel="stylesheet" href="styles.css">

  </head>
  <!-- INTERNAL CSS --!>
  <style>
    body {background-color: bisque;}
    p {color:#0000cd; text-align:center;}
    .left{
      text-align: left;
      color: #a0522d;
      font-style:italic;
    }
    #para2 {
      text-align:center;
      font-style:italic;
    }

    div {
      width: 950px;
      border: 15px solid navy;
      padding: 50px;
      margin: 20px;
    }
    <!-- CSS LAYOUT !-->
    .header {
      background-color:#ff7f50;
      padding: 20px;
      text-align:center;
    }
    p.sticky {
      position: sticky;
      top: 0;
      padding: 5px;
      background: #ffdead;
    }

  </style>
```

```

<body>

<h1 class="header" id="bordering">REVIEWS</h1>
<p class="header sticky" id="bordering">Use code PNK10 to avail 10%off on all orders</p>
<p style ="color:#191970; font-size:12px; font-style:italic; text-align="left";">HERE ARE WHAT SOME
OF OUR AWESOME CLIENTS HAVE SAID ABOUT US!</p>
<!-- CLASS SELECTOR, INLINE STRUCTURE ABOVE-- !>

<!-- BOX MODEL , INTERNAL STRUCTURE (BODY AND P), ID SELECTOR --!>
<div><p style = "color:#009900; font-size:20px; font-style:italic; text-align="left";"> “Each time I
throw a party Palettenknife is my go-to. <mark>Manisha is beyond talented at what she
does</mark>. She has created some of the loveliest dessert spreads I have ever seen. She will go
through every detail with you until it’s just right. Everything is beautiful and delicious.”
— Jacqui<br><br></p>

<!--Horizontal line !-->
<hr>

<p id="para2"> “Thank you sooooo much for the most <mark>delicious cupcakes!!!</mark> They
not only tasted out of this world fabulous, they looked wonderful with the custom, hand made
butterflies and dragonflies decorations!!! When our families saw the cupcakes, they jokingly asked if
we can have dessert first because they remember all the previous wonderful desserts that you made
for our birthday dinners!! We enjoyed every bite!!!”
— Winnie<br><br></p>

<hr>

<p style = "color:#009900; font-size:20px; font-style:italic; text-align="left";"> “As soon as I brought
out the cake to place on the table, my daughter ran right over. She was speechless and it really took
her breath away. I will never forget her facial expression, I could barely even make out “Is this my
cake?” My guests loved it as well, they even made a line to take pictures. <mark>The cake was just
so adorable </mark>and too pretty to cut. I really appreciate the time and effort and going out of
your way to incorporate all the designs that my daughter wanted, from having Ariel on top, to not
forgetting Flounder and Sebastian :) THANKS SO MUCH BGU! :)”
— Maria<br></p></div>

</body>
</html>

```

Styles.css

```
.header {
    background-color: #ff7f50;
    padding: 20px;
    text-align: center;
}

.topnav {
    overflow: hidden;
    background-color: #ffdead;
    text-align: center;

}

.topnav a {
    float: left;
    color: #c71585;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
    font-size: 17px;
}

a:hover {
    background-color: #eee8aa;
    color: black;
}

div.sticky {
    position: sticky;
    top: 0;
    padding: 5px;
}

div.foot {
    width: 300px;
    height: 240px;
    border: 7px solid #FF0000;
    padding: 20px;
    margin: 10px;
}

.container {
    position: relative;
    text-align: center;
    color: black;
}

.top-left {
    position: absolute;
    top: 86px;
    left: 46px;
}

#bordering {
    border: 25px solid transparent;
    padding: 20px;
    border-image: url(border.jpg) 60 round;
}
```

```
.style1{
text-shadow:0 0 12px #B00000 ;
background: #ffdead;
color: #c71585;
}
```

OUTPUT



Date- 16/02/2021

1c) HTML 5: New Structural Elements, Audio, Video, Form creation, Canvas API, SVG, and Geo location

Main.html

```
<!DOCTYPE html>
<!-- FRAME !-->
<html>
    <frameset cols="350,*">
        <frame src =
"file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ordering
%20system/ex%201-%20basics/vedio%20&%20audio.html">

        <frame
src="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20order
ing%20system/ex%201-%20basics/HTML%205.html">

    </frameset>
</html>
```

HTML5.html

```
<!DOCTYPE html>
<html>

    <head>
        <meta name="description" content="An Online Cake Ordering System">
        <meta name="keywords" content="
Cake Near Me Birthday Cake Bakeries near me Cake Bakeries online Top Cake Bakery
Wedding Cake Bakers Famous Bakery Custom Cakes Near My Bakery Wedding Cakes Cup
Cakes Baker Cake Bakery Shop Bakery And Cake Shop">
        <title>Online Cake Ordering System</title>

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

    <body>

        <div class="container">
            
            <div class="top-left"><strong>REVIEWS</strong></div>
        </div>
        <map name="pastry">
```



```

        <area shape="circle" coords="34,44,270,350" alt="Customer Feedback"
href="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ord
ering%20system/reviews.htm">

```

```

        <table width="800" border="0" align="center" cellpadding="5">
        <tr>
        <h1 id="bordering" class="style1" align="center">Welcome to Palettenknife Cakes &
Bakes </h1></div>

```

```

        <br></br>
        <div class="header sticky">Use code PNK10 to avail 10%off on all orders</h1></div>
        </tr>

```

```

        <tr>
        <td>
        <div class="topnav">
        <a href="#About">About</a>
        <a href="#Pastries">Pastries</a>
        <a href="#Cupcakes">Cupcakes</a>
        <a href="#Icecream cakes">Icecream cakes</a>

```

```

        <a
href="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ord
ering%20system/login.html">Login</a>

```

```

        <a href="https://www.sangeethaveg.com/">Our Veg Restaurant</a>
        <a
href="file:///C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ord
ering%20system/geolocation.html">Location</a>

```

```

        </div>
        </td>
        </tr>
        <table width="800" border="0" align="center" cellpadding="5">
        <tr>

```

```

                <a id="About"><td align="center" colspan="10" style="background-
color:#9FE2BF"><b>About</b></td></a>

```

```

                </tr>
                <tr>
                <td colspan="15">

```

```

                <!-- ARTICLE !-->

```

```

                <article>
                <p style="color:#c71585; font-size:22px; font-style:italic; text-
align="left";">A <strong>pioneer in the online cake </strong>shop model with associated home
delivery services in Chennai, we cater for all occasions and events like weddings, birthday parties,
engagement parties, and anniversaries. <br>Palettenknife ,Chennai brings a<strong> rich culinary
experience </strong>to the subtle art of baking and cake making. Using traditional techniques and
the best ingredients, we offer cakes in a delicious variety of flavours.</br><strong>Exceptional
customer service </strong>complements our baking excellence and we go the extra mile in
undertaking 'midnight cake delivery' and 'doorstep delivery' for your special
occasion.</p></article></td>
                </tr>

```

```

<tr>

        <a id="Pastries"><td align= "center"
colspan="10"style="background-color:#9FE2BF"><b>Pastries</b></td></a>
</tr>

<!-- SIMPLE TABLE WITH TH,TR,TD--!>
<!-- IMAGE --!>
<!-- UNORDERED LIST --!>

<table width="800" border="0" align="center" cellpadding="5">
<tr>
        <th align="left">Cakes</th>
        <th align="left">Rate/Kg </th>
        <th align="left">Rate/ 1/2 Kg</th>
</tr>
<ul>
<tr>

                <td><li><strong>Truffle Cake</strong></li></td>
                <td>1000</td>
                <td>500</td>

</tr>
<tr>
                <td><li><strong>Pineapple pastry</strong></li></td>
                <td>800</td>
                <td>400</td>

</tr>
<tr>
                <td><li><strong>Ebony and Ivory</strong></li></td>
                <td>1200</td>
                <td>600</td>

</tr>
<tr>
                <td><li><strong>butterscotch cake</strong></li></td>
                <td>800</td>
                <td>400</td>

</tr>
<tr>
                <td><li><strong>Chocolate Bliss</strong></li></td>
                <td>800</td>
                <td>400</td>

</tr>
</ul>

```

```

</tr>
</table>

```

```

<table width="800" border="0" align="center" cellpadding="5">
  <tr>
    <a id="Cupcakes"><td align="center" colspan="10" style="background-
color:#9FE2BF"><b>Cup Cakes</b></td></a>
  </tr>
  <tr>
    <th align="left">Cakes</th>
    <th align="left">Rate/pc </th>
  </tr>

```

```

<!-- ORDERED LIST --!>
<table width="800" border="0" align="center" cellpadding="5">

  <tr>
    <td>
      <ol type="1" >
        <li> <pre> <strong>Mocha</strong>          100 </pre></li>
        <li> <pre> <strong>Tiramisu</strong>          150 </pre></li>
        <li> <pre> <strong>cookie n cream</strong>    80 </pre></li>
      </ol>
    </td>
  </tr>

```

```

</table>

```

```

<table width="800" border="0" align="center" cellpadding="5">
  <tr>
    <a id="Icecream cakes"><td align="center" colspan="10" style="background-
color:#9FE2BF"><b>IceCream Cakes</b></td></a>
  </tr>
  <tr>
    <th align="left">Cakes</th>
    <th align="left">Rate/Kg </th>
    <th align="left">Rate/ 1/2 Kg</th>
  </tr>
  <ul>
    <tr>
      <td><li><strong>Black Forest Cake</strong></li></td>
      <td>1800</td>
      <td>900</td>
    </tr>
  </ul>

```

```

        </tr>
        <tr>
            <td><li><strong>Red Velvet Cake</strong></li></td>
            <td>2000</td>
            <td>1000</td>
        </tr>
        <tr>
            <td><li><strong>Swiss Choco symphony</strong></li></td>
            <td>1600</td>
            <td>800</td>
        </tr>
        <tr>
            <td><li><strong>Mango Kingdom</strong></li></td>
            <td>2200</td>
            <td>1100</td>
        </tr>
        <tr>
            <td><li><strong>Rich Blackcurrent</strong></li></td>
            <td>1800</td>
            <td>900</td>
        </tr>
    </ul>
</table>
<!-- CANVAS API !-->
<canvas id="myCanvas" width="1250" height="200"> Your browser does not
support the canvas element. </canvas>

```

```

<!-- FOOTER - STRUCTURAL ELEMENT !-->
<footer>
    <table width="800" border="0" align="center">
        <tr align="center">
            <td>
                <!-- SVG !-->
                <svg height="130" width="500" >
                    <defs>
                        <linearGradient id="grad1" x1="0%" y1="0%" x2="100%" y2="0%">
                            <stop offset="0%" style="stop-color:#FFEB3D;stop-opacity:1" />
                            <stop offset="100%" style="stop-color:#FF0000;stop-opacity:1" />
                        </linearGradient>
                    </defs>
                    <rect width="650" height="50" fill="url(#grad1)" />
                    <text fill="#FF0000" font-size="20" font-family="Verdana" x="175" y="25">CONTACT
US</text>
                </svg>
                Sorry, your browser does not support inline SVG.
            </td>
        </tr>
    </table>

```

```

        </td>
      </tr>
      <table width="800" border="0" align="center">
        <tr align="center">
          <td>
            <!-- ARTICLE - STRUCTURAL ELEMENT !-->
            <div class="foot"><article style = "color:#c71585; font-size:15px; font-
style:italic;background-color: bisque;">Shop Timing<br>Shop walk in time : 10AM - 10PM
</br>Phone Order : We take phone orders 24/7, call : +91 99520 52333/+91 99520 81222 <br>We
are open on all national holidays and weekends.</br>Palettenknife Chennai<br>Email:
cakesquarechennai@gmail.com</br><br>Head Office : 5/79 Butt Road, Mount Poonamalee High
Road, St Thomas Mount, Chennai- 600016.</br></article>
          </td>
        </tr>
      </table>
    </div>
  </body>
</html>

```

```

<script>
var canvas = document.getElementById("myCanvas");
var ctx=canvas.getContext("2d");
ctx.font="30px Comic Sans MS";
ctx.fillStyle = "red";
ctx.textAlign = "center";
ctx.fillText("VISIT US AGAIN !! ", canvas.width/2, canvas.height/2);
</script>

```

```

    </body>
  </html>

```

Vedio & audio.html

```

<html>
<style>
  body{
    background-color: #ffdead;
  }
</style>
<body>
  <h1 style = "color:#c71585; font-size:15px; font-style:italic; text-align="left";"> OUR LATEST
BAKE</h1>
  <video width="350" height="370" controls>
    <source src="cake.mp4" type="video/mp4">
    <audio controls autoplay>
    <source src = "audio.wav" type = "audio/wav" />
    Your browser does not support the <audio> element.
  </audio>
</body>
</html>

```

Login.html

```
<html>
  <!-- TITLE & META--!>
  <head>

    </head>
    <style>
/* Full-width input fields */
input[type=text], input[type=password] {
  width: 50%;
  padding: 20px 30px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  box-sizing: border-box;
}

/* Set a style for all buttons */
button {
  background-color: #ffdead;
  color: #c71585;
  padding: 14px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 20%;
}

button:hover {
  opacity: 0.8;
}

/* Extra styles for the cancel button */
.cancelbtn {
  width: auto;
  padding: 6px 12px;
  background-color: #ffdead;
}

/* Center the image and position the close button */
.imgcontainer {
  text-align: center;
  margin: 6px 0 8px 0;
  position: relative;
}

img.cake{
  width: 40%;
  border-radius: 50%;
}
```

```

.container {
  padding: 20px;
  text-align: center;
}

span.psw {
  float: right;
  padding-top: 30px;
}

/* The Modal (background) */
.modal {
  display: none; /* Hidden by default */
  position: fixed; /* Stay in place */
  z-index: 1; /* Sit on top */
  left: 300px;
  top: 150px;
  width: 60%;
  height: 60%;
  overflow: auto; /* Enable scroll if needed */
  background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
  padding-center: 60px;
}

/* Modal Content/Box */
.modal-content {
  background-color: #fefefe;
  margin: 5% auto 15% auto; /* 5% from the top, 15% from the bottom and centered */
  border: 1px solid #888;
  width: 80%; /* Could be more or less, depending on screen size */
}

/* The Close Button (x) */
.close {
  position: absolute;
  right: 25px;
  top: 0;
  color: #000;
  font-size: 35px;
  font-weight: bold;
}

.close:hover,
.close:focus {
  color: red;
  cursor: pointer;
}

```

```

</style>
<body>

    <!-- FORMS !-->
    <form class="modal-content animate" action="/action_page.php" method="post">
    <div class="imgcontainer">
        <span
onclick="window.location.href='file:///C:/Users/MANISHA/Desktop/sem%206/web%20programmin
g/u1/cake%20ordering%20system/food%20order%20management.htm';" class="close" title="Close
Modal">&times;</span>
        
    </div>
    <div class="container">
        <label for="uname"><b>Username</b></label>
        <input type="text" placeholder="Enter Username" name="uname" required>

        <br><label for="psw"><b>Password</b></label>
        <input type="password" placeholder="Enter Password" name="psw" id="psw"
name="psw" pattern="(?!.*\d)(?!.*[a-z])(?!.*[A-Z]).{8,}" title="Must contain at least one number
and one uppercase and lowercase letter, and at least 8 or more characters" required></br>
        <br><button type="submit">Login</button>

    </div>

    <label>
    <input type="checkbox" checked="checked" name="remember"> Remember me
    </label></br>
    </div>

    <div class="container" style="background-color:#f1f1f1">
    <br><button type="button"
onclick="document.getElementById('id01').style.display='none'" class="cancelbtn">Cancel</button>
    <span class="psw">Forgot <a href="#">password?</a></span></br>
    </div>
    </form>
    </div>

<script>
// Get the modal
var modal = document.getElementById('id01');

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
    if (event.target == modal) {
        modal.style.display = "none";
    }
}

var myInput = document.getElementById("psw");
var letter = document.getElementById("letter");
var capital = document.getElementById("capital");
var number = document.getElementById("number");

```



```

var length = document.getElementById("length");

// When the user clicks on the password field, show the message box
myInput.onfocus = function() {
    document.getElementById("message").style.display = "block";
}

// When the user clicks outside of the password field, hide the message box
myInput.onblur = function() {
    document.getElementById("message").style.display = "none";
}

// When the user starts to type something inside the password field
myInput.onkeyup = function() {
    // Validate lowercase letters
    var lowerCaseLetters = /[a-z]/g;
    if(myInput.value.match(lowerCaseLetters)) {
        letter.classList.remove("invalid");
        letter.classList.add("valid");
    } else {
        letter.classList.remove("valid");
        letter.classList.add("invalid");
    }

    // Validate capital letters
    var upperCaseLetters = /[A-Z]/g;
    if(myInput.value.match(upperCaseLetters)) {
        capital.classList.remove("invalid");
        capital.classList.add("valid");
    } else {
        capital.classList.remove("valid");
        capital.classList.add("invalid");
    }

    // Validate numbers
    var numbers = /[0-9]/g;
    if(myInput.value.match(numbers)) {
        number.classList.remove("invalid");
        number.classList.add("valid");
    } else {
        number.classList.remove("valid");
        number.classList.add("invalid");
    }

    // Validate length
    if(myInput.value.length >= 8) {
        length.classList.remove("invalid");
        length.classList.add("valid");
    } else {
        length.classList.remove("valid");
        length.classList.add("invalid");
    }
}

```

```

    }
  }
</script>
</body>
</html>

```

Geolocation.html

```

<!DOCTYPE html>
<html>
<header>
<style>
body {
  background-image: url("map.jpg");
  background-color: #cccccc;
}
div {
    width: 700px;
    border: 10px solid navy;
    padding: 15px;
    margin: auto;
    text-align:center;
    background-color: #ffdead;
  }

</style>
</header>
<body>

<div>
<p style = "color:#009900; font-size:15px; font-style:italic; text-align="left";"><strong>KNOW YOU
LOCATION</strong></p>

<button onclick="getLocation()">Try It</button>

<p id="demo"></p>

<script>
var x = document.getElementById("demo");

function getLocation() {
  if (navigator.geolocation) {
    navigator.geolocation.getCurrentPosition(showPosition);
  } else {
    x.innerHTML = "Geolocation is not supported by this browser.";
  }
}

function showPosition(position) {
  const name="<iframe src='http://maps.google.com/maps?q=";

```

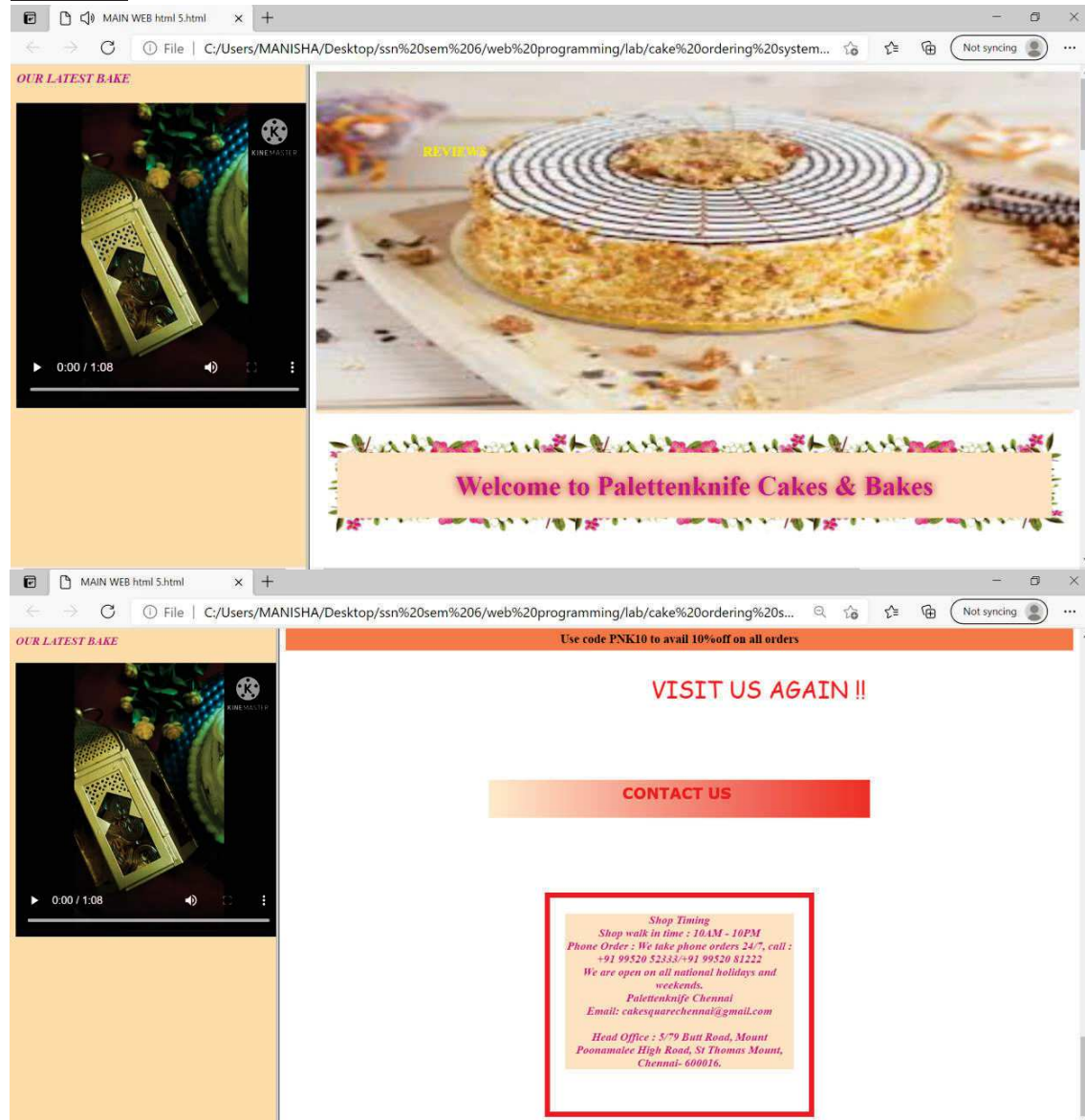
```

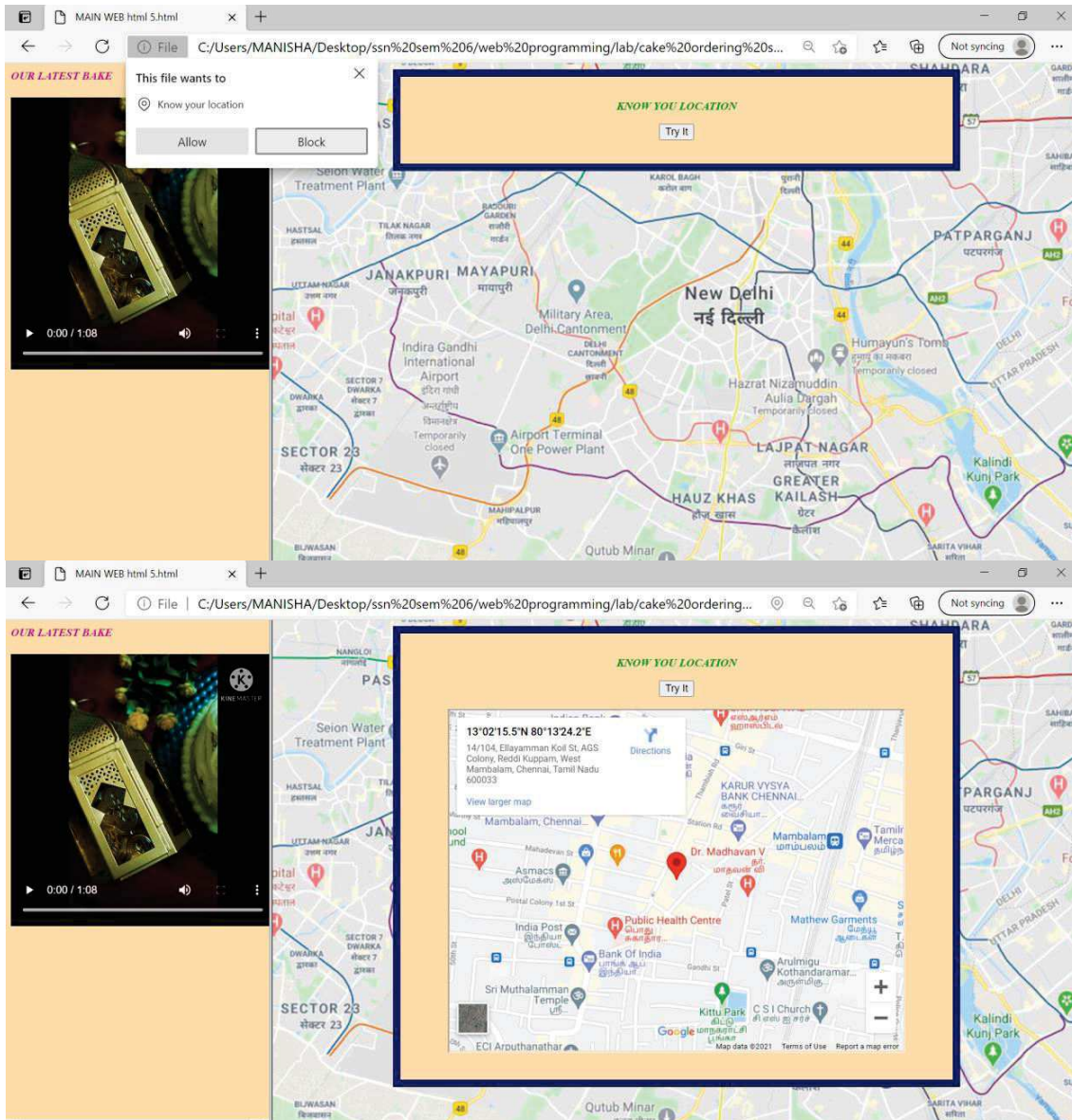
const name2="&z=16&output=embed' height='450' width='600'>";
x.innerHTML= name+position.coords.latitude+', '+position.coords.longitude+name2;
}

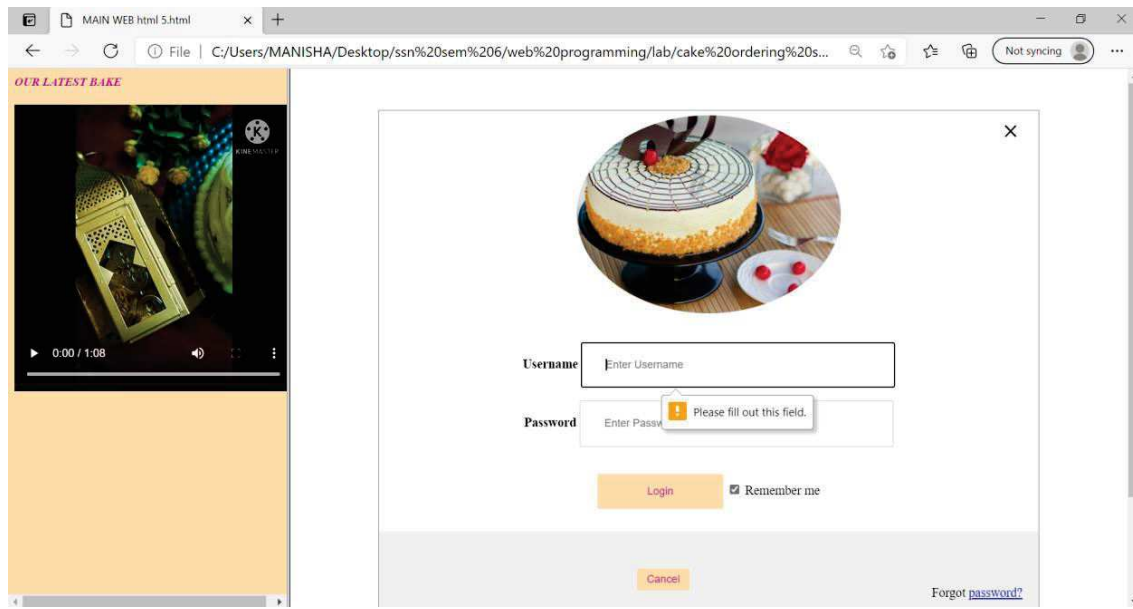
</script>
</div>
</body>
</html>

```

OUTPUT







Date- 23/02/2021

1d) CSS 3: Borders, Text effects, Animation, and Transitions

<html>

<!-- TITLE & META--!>

<head>

<meta name="description" content="Review">

<meta name="keywords" content="

Cake Near Me Birthday Cake Bakeries near me Cake Bakeries online Top Cake Bakery

Wedding Cake Bakers Famous Bakery Custom Cakes Near My Bakery Wedding Cakes Cup

Cakes Baker Cake Bakery Shop Bakery And Cake Shop">

<title>Review</title>

<!-- EXTERNAL CSS !-->

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

</head>

<!-- INTERNAL CSS --!>

<style>

body {background-color: bisque;}

p {color:#0000cd; text-align:center;}

.left{

text-align: left;

color: #a0522d;

font-style:italic;

}

#para2 {

text-align:center;

font-style:italic;

}

div {

width: 950px;

```

border: 15px solid navy;
padding: 50px;
margin: 20px;
animation-name: example;
animation-duration: 4s;
}

@keyframes example {
  0% {background-color: IndianRed; left:0px;}
  50% {background-color: bisque; left:200px;}
  100% {background-color: LightSalmon; left:0px;}
}

h1:hover {
  animation-name: example;
  animation-duration: 4s;
  text-align: left;
  color: #a0522d;
  font-style:italic;
}

h2.test {
  white-space: nowrap;
  width: 200px;
  overflow: hidden;
  border: 1px solid #000000;
}

h2.test:hover {
  overflow: visible;
}

</style>

<body>
  <!-- ANIMATIONS USING KEYFRAME IN DIV!-->
  <!-- BORDER USING IMAGE - DEFENITION IN EXTERNAL CSS !-->

  <div id="bordering"><p id="para2">REVIEWS</p></div>

  <!-- TRANSITIONS - HOVER !-->

  <h1 style ="color:#191970; font-size:25px; font-style:italic; text-align="left";">HERE ARE WHAT
  SOME OF OUR AWESOME CLIENTS HAVE SAID ABOUT US!</h1>

  <div><p style = "color:#009900; font-size:20px; font-style:italic; text-align="left";"> “Each time I
  throw a party Palettenknife is my go-to. <mark>Manisha is beyond talented at what she
  does</mark>. She has created some of the loveliest dessert spreads I have ever seen. She will go
  through every detail with you until it’s just right. Everything is beautiful and delicious.”
  — Jacqui<br><br></p>

  <hr>

```


`<p id="para2"> "Thank you sooooo much for the most <mark>delicious cupcakes!!!</mark> They not only tasted out of this world fabulous, they looked wonderful with the custom, hand made butterflies and dragonflies decorations!!! When our families saw the cupcakes, they jokingly asked if we can have dessert first because they remember all the previous wonderful desserts that you made for our birthday dinners!! We enjoyed every bite!!!"`

`— Winnie

</p>`

`<hr>`

`<p style = "color:#009900; font-size:20px; font-style:italic; text-align="left";"> "As soon as I brought out the cake to place on the table, my daughter ran right over. She was speechless and it really took her breath away. I will never forget her facial expression, I could barely even make out "Is this my cake?" My guests loved it as well, they even made a line to take pictures. <mark>The cake was just so adorable </mark>and too pretty to cut. I really appreciate the time and effort and going out of your way to incorporate all the designs that my daughter wanted, from having Ariel on top, to not forgetting Flounder and Sebastian :) THANKS SO MUCH BGU! :)"`

`— Maria
</p></div>`

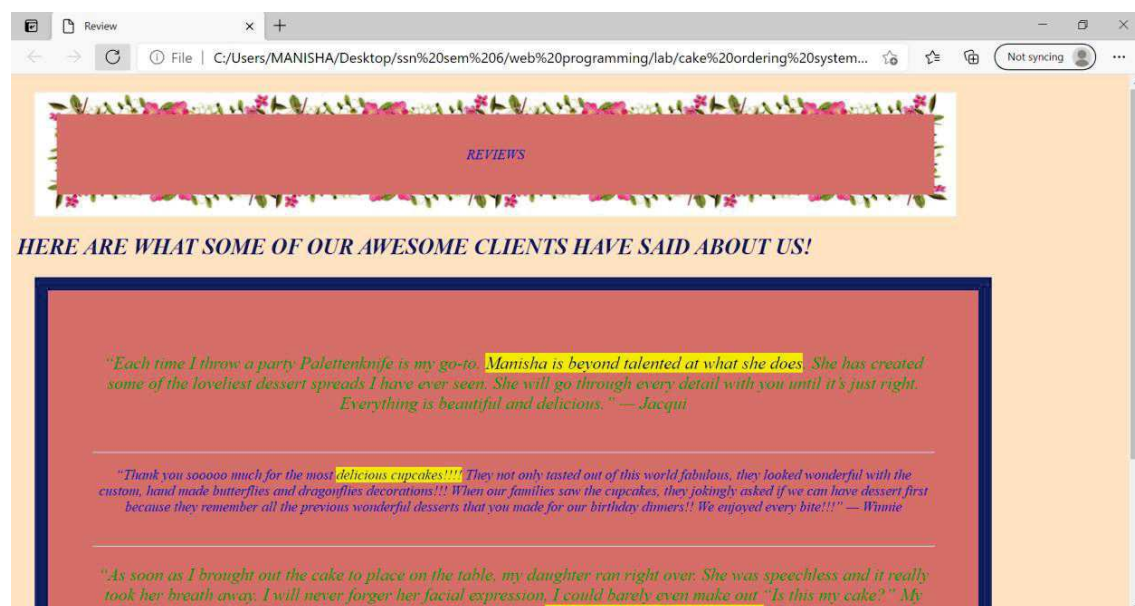
`<!-- TEXT EFFECT OVERFLOW HOVER !-->`

`<h2 class="test" style="text-overflow:clip;">Thank You for Spending time to read our reviews. We hope u have a great purchase at our shop !!</h2>`

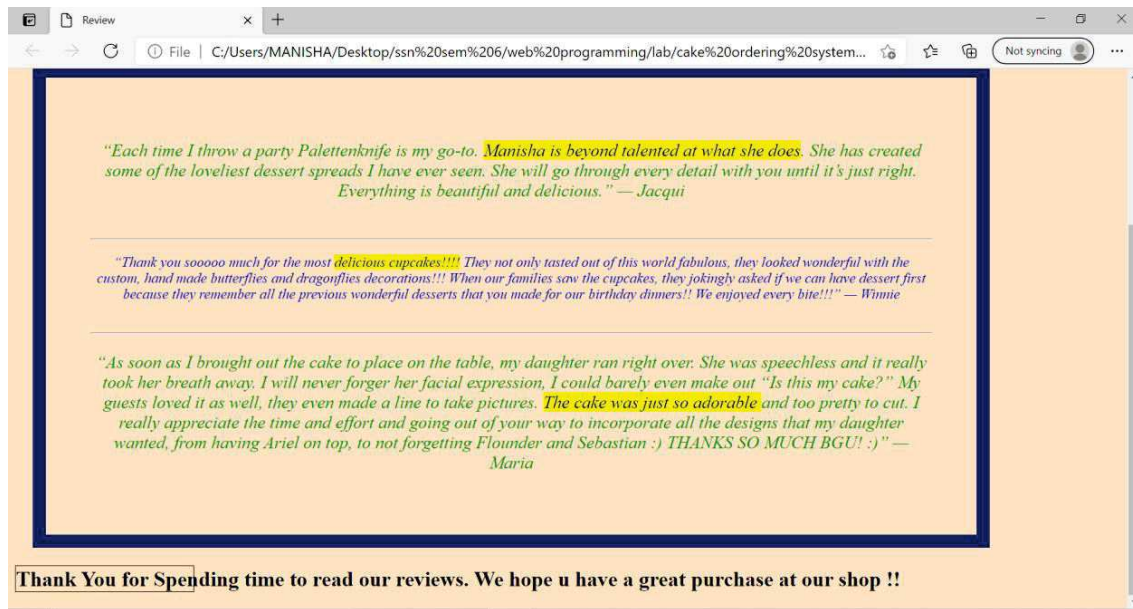
`</body>`

`</html>`

OUTPUT







RESULT-

The above codes were successfully executed to implement the concepts of HTML 4,5 and CSS 2,3.

Exp-2

Date- 02/03/2021

Form Validation & HTML DOM Manipulation

AIM-

- 2a. Form validation using Regular Expression
- 2b. HTML DOM Manipulation

PROCEDURE

- Create a html form to collect credit card details as input from user using **<form> tag**
- Using the **action** attribute, we specify the action that is to be performed by the form when submitted
- Get input from user using the **<input> tag**
- Specify type in **<input> tag** based on the input field. Egs- **<input type="text">**
- We use **<select> tag & <option>** to create a drop-down list to display the month and year options.
- Now we specify the validation for various fields within the **<script> tag**
- Using HTML DOM method **document.getElementById('value')** we get the element of id attribute with specified value .
- Now we perform **validations** on these by custom defined constraints
- In this code we have considered 3 types of credit cards – VISA , MASTER CARD & DINER'S CLUB Card
- The **regular expression** pattern is defined as follows:
 1. **VISA** = `/^4?[0-9]{3}?[-]?[0-9]{4}?[-]?[0-9]{4}?[-]?[0-9]{4}?$/` ;
 2. **MASTER** = `/^((5?[1-5][0-9]{2})?[-]?[0-9]{4})?[-]?[0-9]{4})?[-]?[0-9]{4})|(2?(22[1-9])?[-]?[0-9]{4})?[-]?[0-9]{4})?[-]?[0-9]{4})|(22?[3-9][0-9])?[-]?[0-9]{4})?[-]?[0-9]{4})?[-]?[0-9]{4})|(2?[3-6][0-9]{2})?[-]?[0-9]{4})?[-]?[0-9]{4})?[-]?[0-9]{4})|(27?[0-1][0-9])?[-]?[0-9]{4})?[-]?[0-9]{4})?[-]?[0-9]{4})|((2720)?[-]?[0-9]{4})?[-]?[0-9]{4})?[-]?[0-9]{4}))$/` ;
 3. **DINER'S** = `/^3?((?:0[0-5]|68[0-9])[0-9])?[-]?[0-9]{4})?[-]?[0-9]{4})?[-]?[0-9]{2})$/`;
- To implement DOM methods in this application we use Element and Document object methods
- Create a DOM Element using - `var para = document.createElement("p");` &
- Dom TextNode using - `var node = document.createTextNode("Invalid card number");`
- Append operation - `para.appendChild(node);`
- Insert operation when an invalid card number is entered - `element.insertBefore(para, element.childNodes[0]);`
- Delete operation when the error is corrected by entering a valid card number - `parent.removeChild(parent.childNodes[0]);`

CODE

2a) Form Validation Using Regular Expression

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>credit-card number validation</title>
<link rel='stylesheet' href='form-style.css' type='text/css'>
</head>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body onload='document.form1.text1.focus()'>
<div class="mail">
<h2>Input Credit Card No.(VISA)</h2>
<!-- <form action="/action_page.php"> !-->
<ul>
<li><h4>CARD HOLDER NAME</h4>
<input type='text' id='text3' name='text3'></li>
</ul>
<ul>
<li>
<h4>CARD NUMBER</h4>



<input type='text' id='text1' name='text1' placeholder="0000000000000000" ></li>
</ul>
<h2 id='dom'>CVV</h2>
<ul>
<li><input type='text' id='text2' name='text2' placeholder="XXX" ></li>
</ul>
<h2>Expiration Date</h2>
<ul>
<select id="expiryMonth">
<option selected> Month </option>
<option>01</option>
<option>02</option>
<option>03</option>
<option>04</option>
<option>05</option>
<option>06</option>
<option>07</option>
<option>08</option>
<option>09</option>
<option>10</option>
<option>11</option>
<option>12</option>
</select>
<select id="expiryYear">
<option selected>Year</option>
```

```

                <option>2018</option>
                <option>2019</option>
                <option>2020</option>
                <option>2021</option>
                <option>2022</option>
                <option>2023</option>
                <option>2024</option>
                <option>2025</option>
                <option>2026</option>
                <option>2027</option>
                <option>2028</option>
                <option>2029</option>
                <option>2030</option>
            </select>
        </ul>
    </ul>
    <p>last modified @ <span id="modify"> </span></p>
    <li class="submit"><input type="submit" name="submit" value="Submit" onclick="return
myfunction()"/></li>
</div>
<script>
function myfunction()
{
    document.getElementById('modify').innerHTML=document.lastModified;
    var form = document.getElementById('form1');
    var cc= document.getElementById('text1');
    var cvv1= document.getElementById('text2');
    var name1= document.getElementById('text3');
    var expiryMonth = document.getElementById('expiryMonth');
    var expiryYear = document.getElementById('expiryYear');
    var cardno1 = /^4?([0-9]{3})?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4})?$/ ;
    var cardno2 = /^(5?([1-5][0-9]{2})?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(2?(22[1-9])?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(22?([3-9][0-9])?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(2?([3-6][0-9]{2})?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(27?([0-1][0-9])?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|((2720)?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4})))$/ ;

    var cardno3 = /^3?((?:0[0-5]|[68][0-9])[0-9])?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{2})$/;
    var letters = /^[A-Za-z ]+$/;
    if(name1.value.match(letters));
    else
    { alert("Enter name with alphabets alone ");
    }
    if(cc.value=="" || cc.value==null)
    {
        alert("Please enter card number");
    }
    if(cvv1.value=="" || cvv1.value==null)
    {
        alert("Please enter CVV");
    }
    if(name1.value=="" || name1.value==null)

```

```

    {
        alert("please enter valid Card holder name");
    }
    if(cc.value.match(cardno1))
    {
        alert("valid visa card number");
    }
    else if(cc.value.match(cardno2))
    {
        alert("valid master card number");
    }
    else if(cc.value.match(cardno3))
    {
        alert("valid diner's club card number");
    }
    else
    {
        alert("Invalid card number");
    }

    var month = expiryMonth.value;
    var year = expiryYear.value;
    var d = new Date();
    if(year<d.getFullYear())
    {
        alert("Expired card");
    }
    else if(month>d.getMonth())
    {
        alert("non-expired card");
    }
    else
    {
        alert("Expired card");
    }

    return false;
}
</script>
</body>
</html>

```

OUTPUT

credit-card number validation x +

File | C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ordering%20system... Not syncing

This page says
valid master card number

OK

Ben

CARD NUMBER

VISA MasterCard Diners Club

5114-4963-5398-4312

CVV

552

Expiration Date

08 2027

last modified @

Submit

credit-card number validation x +

File | C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ordering%20system... Not syncing

This page says
non-expired card

OK

Ben

CARD NUMBER

VISA MasterCard Diners Club

5114-4963-5398-4312

CVV

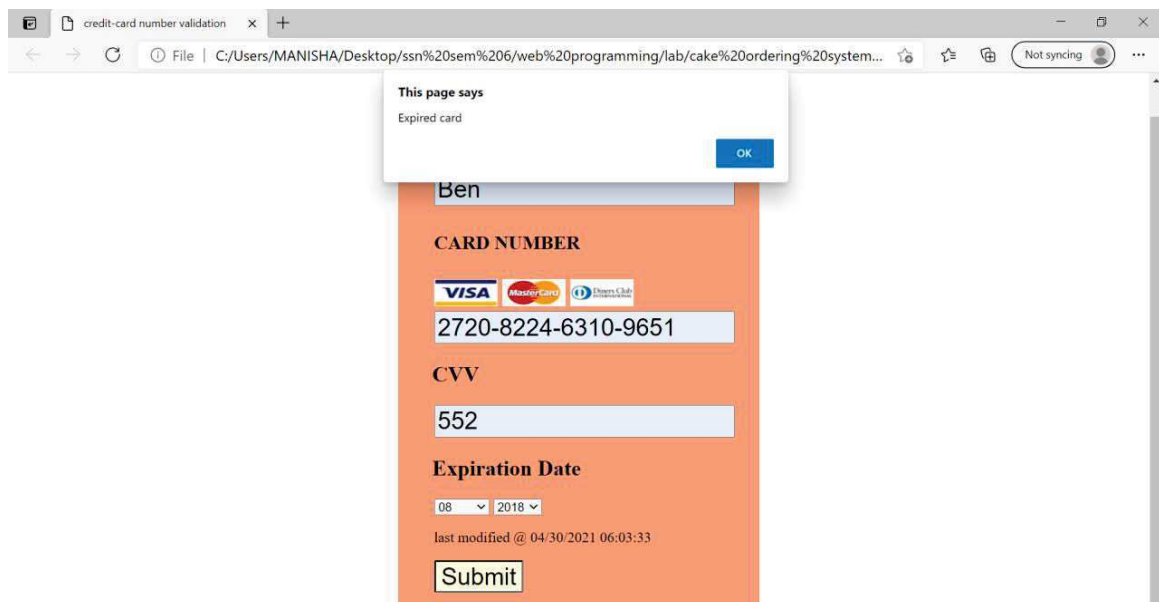
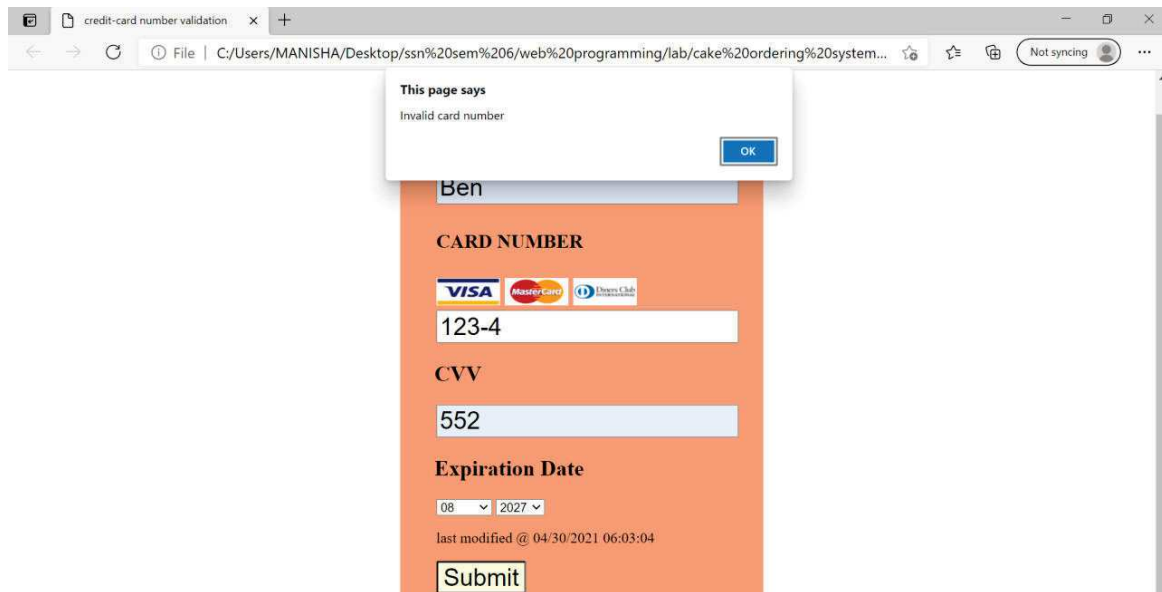
552

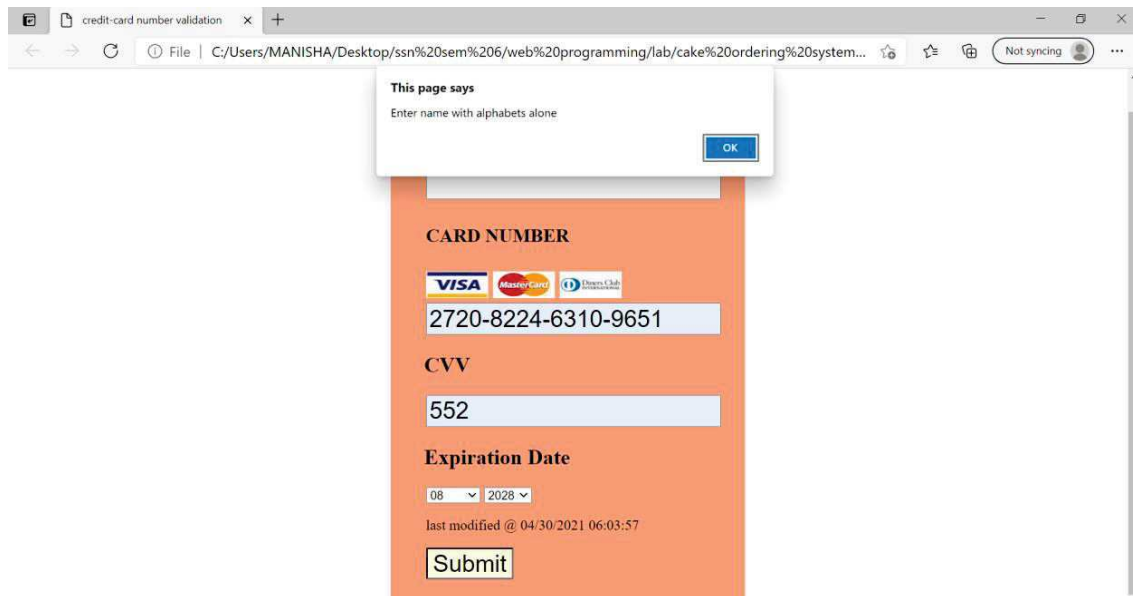
Expiration Date

08 2027

last modified @ 04/30/2021 06:02:41

Submit





2b) HTML DOM Manipulation

Card.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>credit-card number validation</title>
<link rel="stylesheet" href="form-style.css" type="text/css">
</head>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body onload='document.form1.text1.focus()>
<div class="mail">
<h2>Input Credit Card No.(VISA)</h2>

<!--<form name="form1" action="#">--!>
<ul>
<li><h4>CARD HOLDER NAME</h4>
<input type='text' id='text3' name='text3'></li>
</ul>
<ul>
<li>
<h4>CARD NUMBER</h4>



<input type='text' id='text1' name='text1' placeholder="0000000000000000" ></li>
</ul>
<h2 id='dom'>CVV</h2>
<ul>
<li><input type='text' id='text2' name='text2' placeholder="XXX" ></li>
</ul>
```



```

<h2>Expiration Date</h2>
<ul>
<select id="expiryMonth">
    <option selected> Month </option>
        <option>01</option>
        <option>02</option>
        <option>03</option>
        <option>04</option>
        <option>05</option>
        <option>06</option>
        <option>07</option>
        <option>08</option>
        <option>09</option>
        <option>10</option>
        <option>11</option>
        <option>12</option>
    </select>
<select id="expiryYear">
    <option selected>Year</option>
        <option>2018</option>
        <option>2019</option>
        <option>2020</option>
        <option>2021</option>
        <option>2022</option>
        <option>2023</option>
        <option>2024</option>
        <option>2025</option>
        <option>2026</option>
        <option>2027</option>
        <option>2028</option>
        <option>2029</option>
        <option>2030</option>
    </select>
</ul>
<ul>
<p>last modified @ <span id="modify"> </span></p>
<li class="submit"><input type="submit" name="submit" value="Submit" onclick="return
myfunction()"/></li>
</div>
<script>
function myfunction()
{
    document.getElementById('modify').innerHTML=document.lastModified;
    var form = document.getElementById('form1');
    var cc= document.getElementById('text1');
    var cvv1= document.getElementById('text2');
    var name1= document.getElementById('text3');
    var expiryMonth = document.getElementById('expiryMonth');
    var expiryYear = document.getElementById('expiryYear');
    var cardno1 = /^4?([0-9]{3})?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4})?$/ ;

```

```

var cardno2 = /^(5?([1-5][0-9]{2})?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(2?(22[1-9])?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(22?([3-9][0-9])?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(2?([3-6][0-9]{2})?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|(27?([0-1][0-9])?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4}))|((2720)?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{4})))$/;

var cardno3 = /^3?(?:0[0-5]| [68][0-9])[0-9]?[-]?([0-9]{4})?[-]?([0-9]{4})?[-]?([0-9]{2})$/;
var letters = /^[A-Za-z ]+$/;
if(name1.value.match(letters));
else
{ alert("Enter name with alphabets alone ");
}
if(cc.value=="" || cc.value==null)
{
    alert("Please enter card number");
}
if(cvv1.value=="" || cvv1.value==null)
{
    alert("Please enter CVV");
}
if(name1.value=="" || name1.value==null)
{
    alert("please enter valid Card holder name");
}
if(cc.value.match(cardno1))
{
    var parent = document.getElementById("dom");
    parent.removeChild(parent.childNodes[0]);
    alert("valid visa card number");
}
else if(cc.value.match(cardno2))
{
    var parent = document.getElementById("dom");
    parent.removeChild(parent.childNodes[0]);
    alert("valid master card number");
}
else if(cc.value.match(cardno3))
{
    var parent = document.getElementById("dom");
    parent.removeChild(parent.childNodes[0]);
    alert("valid diner's club card number");
}
else
{
    var para = document.createElement("p");
    var node = document.createTextNode("Invalid card number");
    para.appendChild(node);
    var element = document.getElementById("dom");
    element.insertBefore(para, element.childNodes[0]);
}

```

```

    var month = expiryMonth.value;
    var year = expiryYear.value;
    var d = new Date();
    if(year<d.getFullYear())
    {
        alert("Expired card");
    }
    else if(month>d.getMonth())
    {
        alert("non-expired card");
    }
    else
    {
        alert("Expired card");
    }

    return false;
}
</script>
</body>
</html>

```

OUTPUT

The screenshot shows a web browser window with a single tab titled 'credit-card number validation'. The address bar shows the file path: 'C:/Users/MANISHA/Desktop/ssn%20sem%206/web%20programming/lab/cake%20ordering%20system...'. The browser content displays a form with an orange background. The form has the following elements:

- Input Credit Card No.(VISA)**: A heading for the form.
- CARD HOLDER NAME**: A label above a text input field containing 'Ella'.
- CARD NUMBER**: A label above a text input field containing '5114-1'. Above this field are logos for VISA, MasterCard, and Union Club.
- CVV**: A label above a text input field containing '552'.
- Expiration Date**: A label above a date selector showing '08' for the month and '2018' for the year.
- last modified @**: A small text label.
- Submit**: A button at the bottom of the form.

credit-card number validation

CARD HOLDER NAME

Ella

CARD NUMBER

VISA MasterCard Diners Club

5114-1

Invalid card number

CVV

552

Expiration Date

08 2018

last modified @ 03/29/2021 21:48:55

Submit

credit-card number validation

This page says
valid master card number

OK

CARD NUMBER

VISA MasterCard Diners Club

5500-0000-0000-0000

Invalid card number

CVV

552

Expiration Date

08 2024

last modified @ 03/29/2021 21:48:55

Submit

credit-card number validation

This page says
valid diner's club card number

OK

Ella

CARD NUMBER

VISA MasterCard Diners Club

3000-0000-0000-40

CVV

552

Expiration Date

10 2026

last modified @

Submit

Form-styles.css – (Common CSS File used for all the above codes)

```
li {list-style-type: none;
font-size: 16pt;
}
.mail {
margin: auto;
padding-top: 10px;
padding-bottom: 10px;
width: 400px;
background : #FFA07A;
border: 1px solid
silver;
}
.mail h2 {
margin-left: 38px;
}
input {
font-size: 20pt;
}
input:focus, textarea:focus{
background-color:
lightyellow;
}
input submit {
font-size: 12pt;
}
.rq {
color:
#FF0000;
font-size: 10pt;
}
```

RESULT-

The above codes were successfully executed to validate a form and implement HTML DOM .