

# JS supplemental Assignment

## Modify an existing Navigating menu to JS dropdown Menu

CIM 141 Creating a Web Page  
Instructor: Florence Lee

There are many good JavaScript codes posted on the internet. You can copy the codes and modify them to suit your needs. In tutorial 3, we learned to create a navigation menu using Nav tags. This assignment is going to show you how to modify an existing navigation menu to make a Dropdown menu using the JavaScript codes that we found on the internet. [http://javascript-array.com/scripts/simple\\_drop\\_down\\_menu/](http://javascript-array.com/scripts/simple_drop_down_menu/)

### Step by Step Instructions:

#### A. Download Data file:

1. Create a folder in your hard drive or Flash drive, preferably in the folder where you have all the tutorial assignments. Name the folder **JS\_Sup\_Assignment**. Download the *js\_sup\_Assignment data files.zip*; extract the zipped file to the JS\_Sup\_Assignment folder you just created.

**Note:** *js\_sup\_Assignment data files.zip* is posted on BB

#### B. Review the website note and the posted codes:

1. Go to [http://javascript-array.com/scripts/simple\\_drop\\_down\\_menu/](http://javascript-array.com/scripts/simple_drop_down_menu/), review the notes and the codes about the simple dropdown menu. Mouse over the menu to see the dropdown menu. For your reference, see website screen capture below



2. Scroll down to see the HTML, CSS and JavaScript codes.

## HTML Code

HTML code is very simple and without tables. It used unordered list for menu items and hidden layers near own parent items.

Parent items and hidden layers have unique identifiers. Also these have event handlers `onmouseover` and `onmouseout`:

```
<ul id="sddm">
  <li><a href="#"
    onmouseover="mopen('m1')"
    onmouseout="mclose()">Home</a>
    <div id="m1"
      onmouseover="mcancelclosetime()"
      onmouseout="mclose()">
      <a href="#">HTML/CSS</a>
      <a href="#">DHTML Menu</a>
      <a href="#">JavaScript</a>
    </div>
  </li>
  <li><a href="#"
    onmouseover="mopen('m2')"
    onmouseout="mclose()">Download</a>
    <div id="m2"
      onmouseover="mcancelclosetime()"
      onmouseout="mclose()">
      <a href="#">ASP Server-side</a>
      <a href="#">Pull down navigation</a>
      <a href="#">AJAX Drop Submenu</a>
      <a href="#">DIV Cascading</a>
    </div>
  </li>
  <li><a href="#">Order</a></li>
  <li><a href="#">Help</a></li>
  <li><a href="#">Contact</a></li>
</ul>
<div style="clear:both"></div>
```

## CSS Code

<li> tag have `float: left`; declaration. submmenu layer have `visibility: hidden`; and `position: absolute`; . Anchor tag set to `display: block`;

Everything else is usual decoration:

```
#sddm
{
  margin: 0;
  padding: 0;
  z-index: 30;
}

#sddm li
{
  margin: 0;
  padding: 0;
  list-style: none;
  float: left;
  font: bold 11px arial;
}

#sddm li a
{
  display: block;
  margin: 0 1px 0 0;
  padding: 4px 10px;
  width: 60px;
  background: #5970B2;
  color: #FFF;
  text-align: center;
  text-decoration: none;
}

#sddm li a: hover
{
  background: #49A3FF;
}

#sddm div
{
  position: absolute;
  visibility: hidden;
  margin: 0;
  padding: 0;
  background: #EAE8D8;
  border: 1px solid #5970B2;
}

#sddm div a
{
  position: relative;
  display: block;
  margin: 0;
  padding: 5px 10px;
  width: auto;
  white-space: nowrap;
  text-align: left;
  text-decoration: none;
  background: #EAE8D8;
  color: #2875DE;
  font: 11px arial;
}

#sddm div a: hover
{
  background: #49A3FF;
  color: #FFF;
}
```

## JavaScript Code

Insert this code between your <head></head> tags. Look to the code for the comments:

```
// Copyright 2006-2007 javascript-array.com

var timeout      = 500;
var closetimer   = 0;
var ddmenuitem  = 0;

// open hidden layer
function mopen(id)
{
  // cancel close timer
  mcancelclosetime();

  // close old layer
  if(ddmenuitem) ddmenuitem.style.visibility = 'hidden';

  // get new layer and show it
  ddmenuitem = document.getElementById(id);
  ddmenuitem.style.visibility = 'visible';
}

// close showed layer
function mclose()
{
  if(ddmenuitem) ddmenuitem.style.visibility = 'hidden';
}

// go close timer
function mclosetime()
{
  closetimer = window.setTimeout(mclose, timeout);
}

// cancel close timer
function mcancelclosetime()
{
  if(closetimer)
  {
    window.clearTimeout(closetimer);
    closetimer = null;
  }
}

// close layer when click-out
document.onclick = mclose;
```

**Note:** While you are working on this assignment, somehow you cannot connect to the internet. I have copy the CSS, JavaScript and HTML codes and save them as `original_css_style.txt`, `original_Javascript.txt` and `original_html.txt`. These files are included in the data zip file. You can copy the codes from these files instead of coping from the website..

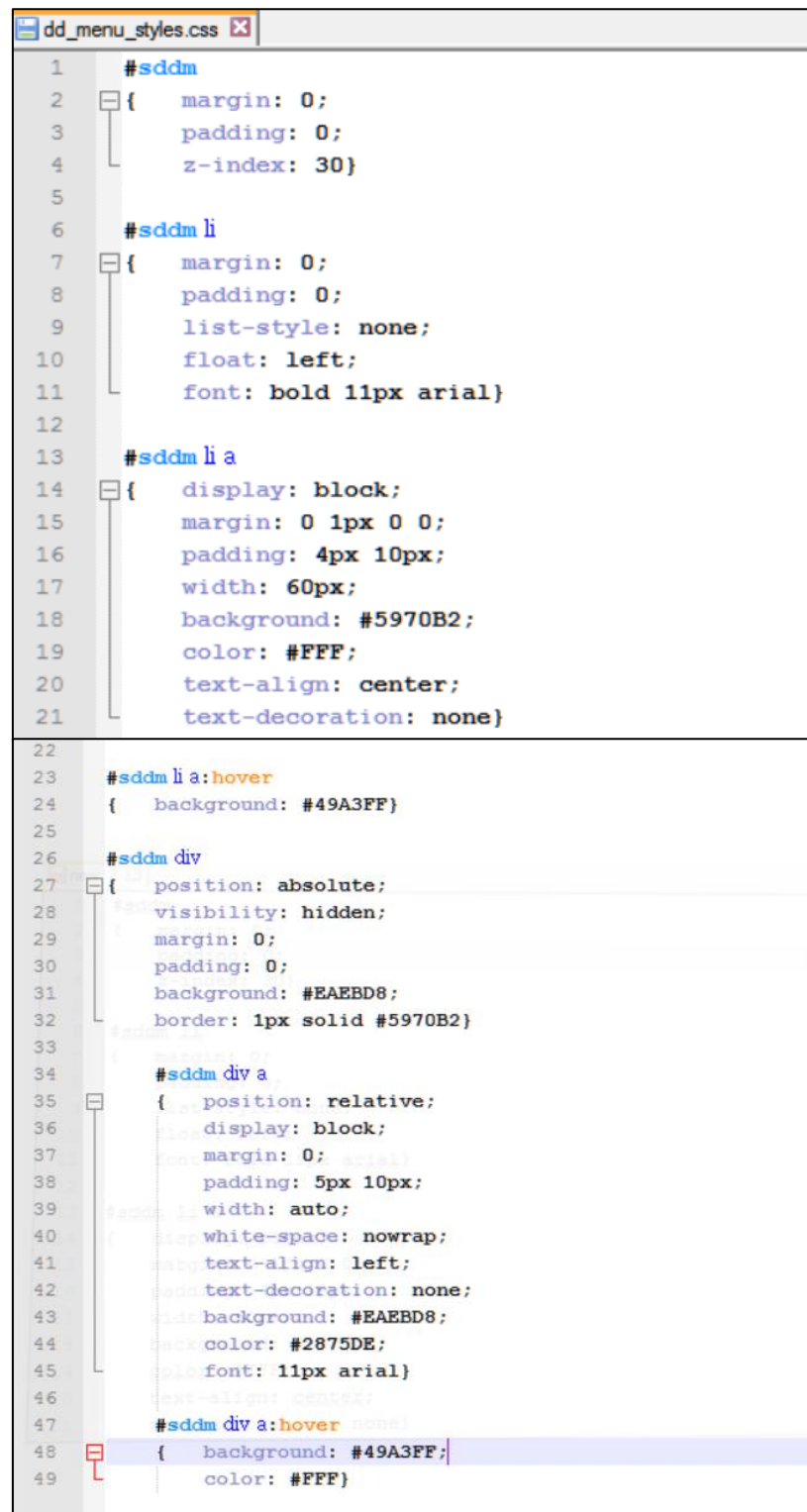
The website suggests pasting the CSS and JavaScript codes to the HTML page. However, since we have many html pages, we are going to create external CSS and JavaScript files instead, and link them to the HTML pages.

### C. Created the external CSS and JavaScript files:

1. Run the text editor program you have been using and create a new blank file. Copy the CSS codes from the [http://javascript-array.com/scripts/simple\\_drop\\_down\\_menu/](http://javascript-array.com/scripts/simple_drop_down_menu/) website and paste the codes to the blank file, and save the file as **ddmenu\_styles.css**.

See **Screen Capture 1** below for reference.

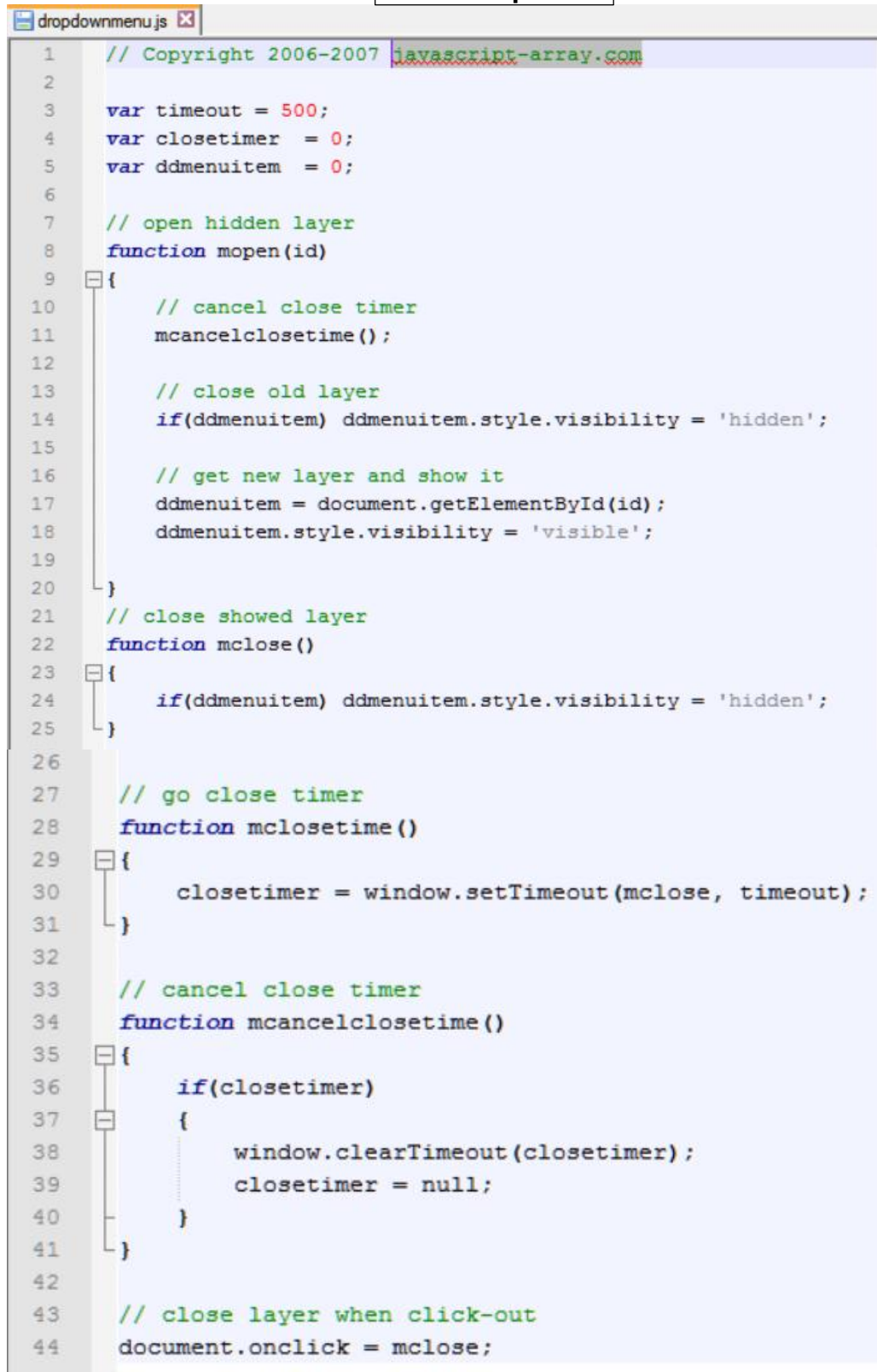
**Screen Capture 1.**

A screenshot of a text editor window titled 'dd\_menu\_styles.css'. The editor contains CSS code for a dropdown menu. The code is organized into several sections: a base style for #sddm, styles for #sddm li and #sddm li a, a hover style for #sddm li a, a style for #sddm div, and a style for #sddm div a. The code is numbered from 1 to 49. The editor has a light gray background and a dark gray border. The code is color-coded with blue for selectors and property names, and various colors for values. The line numbers are on the left side of the editor.

```
1  #sddm
2  {
3      margin: 0;
4      padding: 0;
5      z-index: 30;
6
7  #sddm li
8  {
9      margin: 0;
10     padding: 0;
11     list-style: none;
12     float: left;
13     font: bold 11px arial;
14
15 #sddm li a
16 {
17     display: block;
18     margin: 0 1px 0 0;
19     padding: 4px 10px;
20     width: 60px;
21     background: #5970B2;
22     color: #FFF;
23     text-align: center;
24     text-decoration: none;
25
26 #sddm li a: hover
27 {
28     background: #49A3FF;
29
30 #sddm div
31 {
32     position: absolute;
33     visibility: hidden;
34     margin: 0;
35     padding: 0;
36     background: #EAEBD8;
37     border: 1px solid #5970B2;
38
39 #sddm div a
40 {
41     position: relative;
42     display: block;
43     margin: 0;
44     padding: 5px 10px;
45     width: auto;
46     white-space: nowrap;
47     text-align: left;
48     text-decoration: none;
49     background: #EAEBD8;
50     color: #2875DE;
51     font: 11px arial;
52     text-align: center;
53
54 #sddm div a: hover
55 {
56     background: #49A3FF;
57     color: #FFF;
```

2. Create another new blank file with your text editor. Copy the JavaScript codes from the [http://javascript-array.com/scripts/simple\\_drop\\_down\\_menu/](http://javascript-array.com/scripts/simple_drop_down_menu/) website and paste the codes to the blank file, and save the file as **dropdownmenu.js**.  
See **Screen Capture 2** below for reference  
Note: Please include the copy right of javascript-array.com to acknowledge the author.

**Screen Capture 2.**

A screenshot of a text editor window titled 'dropdownmenu.js'. The code is written in JavaScript and includes comments in green. The code defines variables for timeout, closetimer, and ddmenuitem. It includes functions for opening and closing the dropdown menu, setting and canceling a close timer, and handling the click-out event. The code is as follows:

```
1 // Copyright 2006-2007 javascript-array.com
2
3 var timeout = 500;
4 var closetimer = 0;
5 var ddmenuitem = 0;
6
7 // open hidden layer
8 function mopen(id)
9 {
10     // cancel close timer
11     mcancelclosetime();
12
13     // close old layer
14     if(ddmenuitem) ddmenuitem.style.visibility = 'hidden';
15
16     // get new layer and show it
17     ddmenuitem = document.getElementById(id);
18     ddmenuitem.style.visibility = 'visible';
19 }
20
21 // close showed layer
22 function mclose()
23 {
24     if(ddmenuitem) ddmenuitem.style.visibility = 'hidden';
25 }
26
27 // go close timer
28 function mclosetime()
29 {
30     closetimer = window.setTimeout(mclose, timeout);
31 }
32
33 // cancel close timer
34 function mcancelclosetime()
35 {
36     if(closetimer)
37     {
38         window.clearTimeout(closetimer);
39         closetimer = null;
40     }
41 }
42
43 // close layer when click-out
44 document.onclick = mclose;
```

#### D. Modify the home.htm file:

Link the external CSS and JavaScript files to the home.htm file

1. Open the **home.htm** file from your **JS\_Sup\_Assignment** folder, and save it as **js\_home.htm**.
2. Insert two blank lines after the title tag, line 5. Add an external **dropdownmenu.js** link on line 6 and the **ddmenu\_styles.css** link on line 7. Save the file.

See **Screen Capture 3** below for reference.

**Screen Capture 3.**

```
home.htm
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="UTF-8" />
5      <title>Florence-Sunny Acres</title>
6      <script src="dropdownmenu.js"></script>
7      <link href="ddmenu_styles.css" rel="stylesheet" type="text/css" />
8      <link href="sa_layout.css" rel="stylesheet" type="text/css" />
9      <link href="sa_styles.css" rel="stylesheet" type="text/css" />
10
11     <style type="text/css">
12         section > p:first-of-type:first-line {
13             text-transform: uppercase;
14         }
15
16         section > p:first-of-type:first-letter {
```

3. Delete the **nav** tag codes (line: 31-39). Save the file. See **Screen Capture 4** below for reference.

**Screen Capture 4.**

```
25  <h1>
26      
27  </h1>
28
29  </header>
30
31  <nav>
32      <ul>
33          <li><a href="home.htm">Home</a></li>
34          <li><a href="gornmaze.htm">Autumn Fun</a></li>
35          <li><a href="haunted.htm">Scary Good</a></li>
36          <li><a href="petting.htm">Meet the Animals</a></li>
37          <li><a href="produce.htm">For your Tastebuds</a></li>
38      </ul>
39  </nav>
40
41  <section>
42      <header>
43          <h1>Welcome</h1>
```

**Screen Capture after deleted the Nav tag.**

```
21  <head>
22
23  <body>
24      <header>
25          <h1>
26              
27          </h1>
28      </header>
29
30
31
32
33  <section>
34      <header>
35          <h1>Welcome</h1>
36      </header>
37
38      
```

4. I have created a Farm Info page (**farminfo.htm**), which has the information of the farm hours, Admission fee and Directions. This farminfo.htm file is included in the data file. So we need to delete the codes for farm **Hours** and **Directions** on this page.

Delete line 56 to 71 (the Hour and Directions). **Save the file.** See **Screen Capture 5** for reference.

### Screen Capture 5.

```
52      can bottle feed the baby goats, lambs, and calves while they learn about
53      nature and the farming life. Please call ahead for large school groups.
54      </p>
55
56      <h2>Hours</h2>
57      <ul style="list-style-type: square; list-style-image: none;">
58        <li>Farm Shop: 9 am - 5 pm Mon - Fri; 9 am - 3 pm Sat</li>
59        <li>The Corn Maze: 11 am - 9 pm Sat; 11 am - 5 pm Sun</li>
60        <li>The Haunted Maze: 5 pm - 9 pm Fri & Sat</li>
61        <li>Petting Barn: 9 am - 4 pm Mon - Fri; 11 am - 3 pm Sat & Sun</li>
62      </ul>
63
64      <h2>Directions</h2>
65      <ul>
66        <li>From Council Bluffs, proceed east on I-80</li>
67        <li>Take Exit 38 North to the Drake Frontage Road</li>
68        <li>Turn right on Highway G</li>
69        <li>Proceed east for 2.5 miles</li>
70        <li>Sunny Acres is on your left; watch for the green sign</li>
71      </ul>
72    </section>
73    <footer>
74      <address>
75        Sunny Acres &#9728;&#9728;
76        Tammy & Brent Nielsen &#9728;&#9728;
77        1977 Highway G &#9728;&#9728;
78        Council Bluffs, IA &#9728;&#9728; 51503
79      </address>
80    </footer>
81  </body>
82  </html>
```

### Screen Capture after deleted the Hours and Directions.

```
40      There's always something happening at Sunny Acres.
41      With the coming of fall, we're gearing up for our big
42      AutumnFest and Farm Show. If you haven't visited our famous
43      <a href="maze.htm">Corn Maze</a>,
44      be sure to do so before it gets torn down on November 5. This year
45      maze is bigger and better than ever.
46    </p>
47
48    <p>Farms can be educational and Sunny Acres is no exception. Schools &
49      home-schooling parents, spend an afternoon with us at our
50      <a href="petting.htm">Petting Barn</a>.
51      We have over 100 friendly farm animals in a clean environment. Kids
52      can bottle feed the baby goats, lambs, and calves while they learn
53      nature and the farming life. Please call ahead for large school gr
54    </p>
55
56  </section>
57  <footer>
58    <address>
59      Sunny Acres &#9728;&#9728;
60      Tammy & Brent Nielsen &#9728;&#9728;
61      1977 Highway G &#9728;&#9728;
62      Council Bluffs, IA &#9728;&#9728; 51503
63    </address>
64  </footer>
65  </body>
66  </html>
```

5. Preview the js\_home.htm using difference browsers.



## E. Modify the rest of the pages:

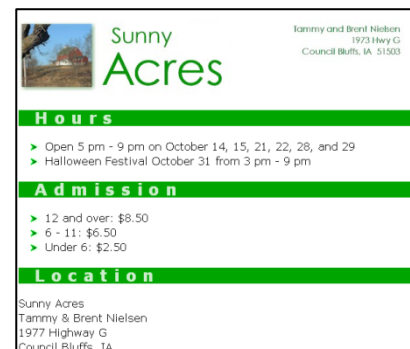
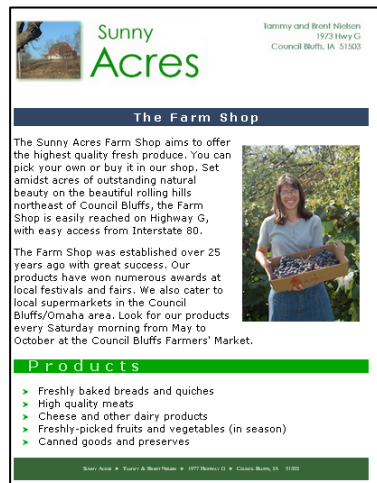
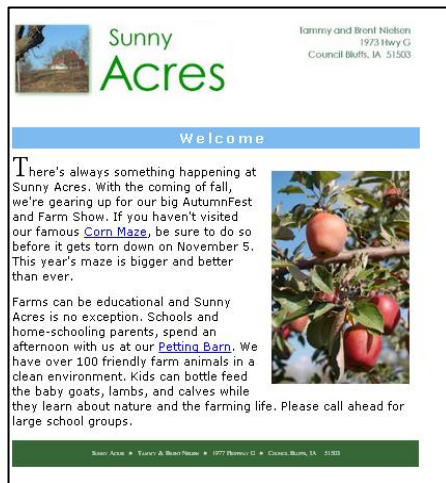
Repeat step 1 to 5 to modify the other pages (cornmaze.htm, haunted.htm, petting.htm, produce.htm and farminfo.htm). And save the files as [js\\_cornmaze.htm](#), [js\\_haunted.htm](#), [js\\_petting.htm](#), [js\\_produce.htm](#) and [js\\_farminfo.htm](#) respectively.

Note: On Step 4 on [cornmaze.htm](#), [haunted.htm](#), [petting.htm](#), delete only Hours section.

On Step 4 on [produce.htm](#), delete only the Hour and Admission section.

For farminfo.htm only, repeat Step 2 (adding the external CSs and JavaScript links).

Preview the all the files using difference browsers. The display should look like the screen captures below.



F. Now we are going to copy the JS dropdown menu from the [http://javascript-array.com/scripts/simple\\_drop\\_down\\_menu/](http://javascript-array.com/scripts/simple_drop_down_menu/) web site to the js\_home.htm file.

1. On line 30 type in the comment: `<!--JS drop down Menu stars here -->`. Copy the HTML codes from the website and paste the codes on line 31.
2. On line 60 type the comment: `<!--JS drop down Menu ends-->` **Save the file.**  
See **Screen Capture 6** below for reference.

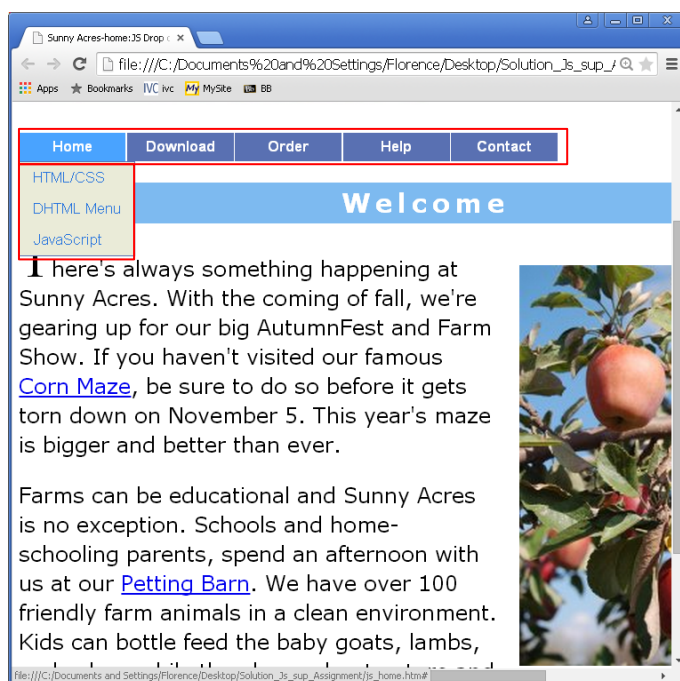
**Screen Capture 6.**



```
30 <!--JS drop down Menu stars here -->
31 <ul id="sddm">
32 <li><a href="#"
33     onmouseover="ogggg('m1')"
34     onmouseout="gggloossttgg()">Home</a>
35 <div id="m1"
36     onmouseover="ggggggggloossttgg()"
37     onmouseout="gggloossttgg()">
38 <a href="#">HTML/CSS</a>
39 <a href="#">DHTML Menu</a>
40 <a href="#">JavaScript</a>
41 </div>
42 </li>
43 <li><a href="#"
44     onmouseover="ogggg('m2')"
45     onmouseout="gggloossttgg()">Download</a>
46 <div id="m2"
47     onmouseover="ggggggggloossttgg()"
48     onmouseout="gggloossttgg()">
49 <a href="#">ASP Server-side</a>
50 <a href="#">Pull down navigation</a>
51 <a href="#">AJAX Drop Submenu</a>
52 <a href="#">DIV Cascading </a>
53 </div>
54 </li>
55 <li><a href="#">Order</a></li>
56 <li><a href="#">Help</a></li>
57 <li><a href="#">Contact</a></li>
58 </ul>
59 <div style="clear:both"></div>
60 <!--JS drop down Menu ends-->
```

3. Preview the page you just modified in different browsers. The page should look like **Screen Capture 7** below.

**Screen Capture 7.**

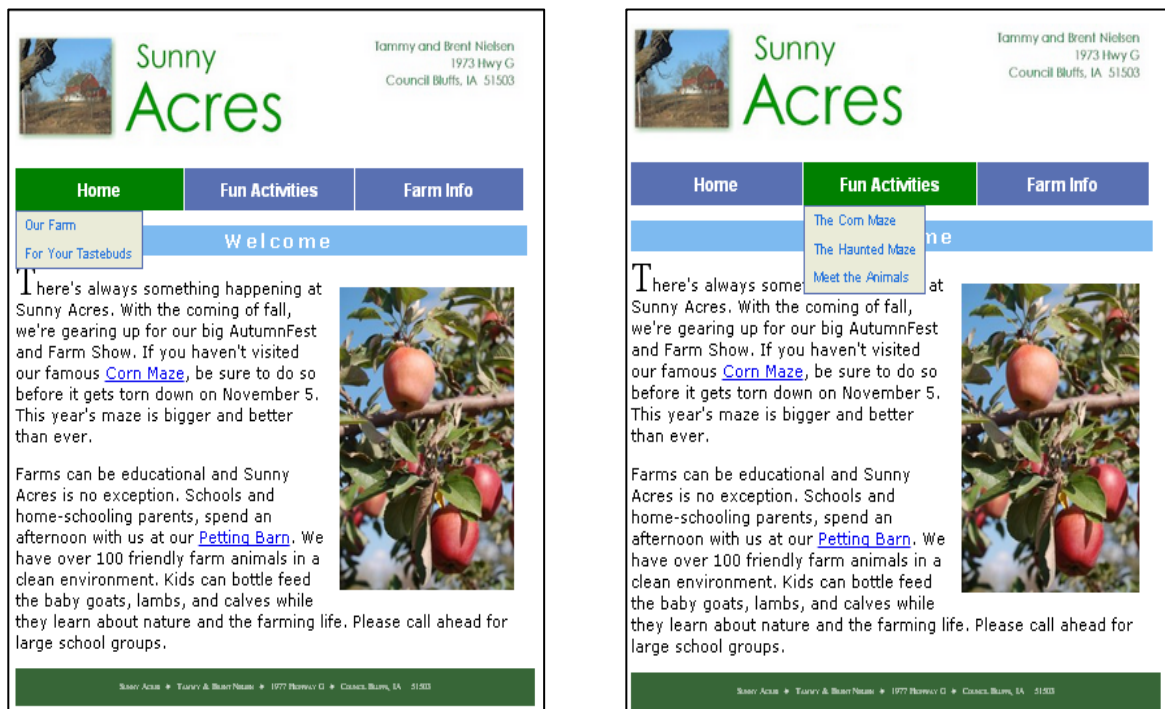




## G. Modify the js\_home.htm drop down menu and add links on the menu:

We would like the JS drop down menu looks like **Screen Capture 8** below:

**Screen Capture 8.**



So, let's modify the of the JS drop down menu:

Open **js\_home.htm** in the text editor. Do the following changes:

1. Change line 38 from `<a href="#">HTML/CSS</a>` to: `<a href="JS_home.htm">Our Farm</a>`
2. Change line 39 from `<a href="#">DHTML Menu</a>` to: `<a href="Js_produce.htm">For Your Tastebuds</a>`
3. Delete line 40, `<a href="#">JavaScript</a>`
4. Change line 45 from `onmouseout="mclosetime()">Download</a>` to: `onmouseout="mclosetime()">Fun Activities</a>`
5. Change line 49 from `<a href="#">ASP Server-side</a>` to `<a href="js_cornmaze.htm">The Corn Maze</a>`
6. Change line 50 from `<a href="#">Pulldown navigation</a>` to `<a href="js_haunted.htm">The Haunted Maze</a>`
7. Change line 51 from `<a href="#">AJAX Drop Submenu</a>` to `<a href="Js_petting.htm">Meet the Animals</a>`
8. Delete line 52, `<a href="#">DIV Cascading </a>`
9. Change line 55 from `<a href="#">Order</a>` to `<a href="js_farminfo.htm">Farm Info</a>`

10. Delete codes on line 55-57.

```
52
53
54
55 <li><a href="#">Order</a></li>
56 <li><a href="#">Help</a></li>
57 <li><a href="#">Contact</a></li>
58
59 <div style="clear:both"></div>
60 <!--JS drop down Menu ends-->
```

11. On line 55, enter the following codes:

```
<li> <a href="JS_farminfo.htm"
      onmouseover="mopen('m3')"
      onmouseout="mcloseetime()">Farm Info</a>
</li>
```

See **Screen Capture 9** for reference.

**Screen Capture 9**

```
30 <!--JS drop down Menu stars here -->
31 <ul id="sddm">
32 <li><a href="#"
33   onmouseover="mopen('m1')"
34   onmouseout="mcloseetime()">Home</a>
35 <div id="m1"
36   onmouseover="mcancelcloseetime()"
37   onmouseout="mcloseetime()">
38   <a href="JS_home.htm">Our Farm</a> <!-- Change line 38 from <a
39   href="#">HTML/CSS</a> to: <a href="JS_home.htm">Our Farm</a> -->
40   <a href="Js_produce.htm">For Your Tastebuds</a> <!-- Change line 39 from
41   href="#">DHTML Menu</a> to <a href="Js_produce.htm">For Your Tastebuds</a>
42   <!-- c. Delete line 40, <a href="#">JavaScript</a> -->
43   </div>
44 </li>
45 <li><a href="#"
46   onmouseover="mopen('m2')"
47   onmouseout="mcloseetime()">Fun Activities</a> <!-- Change line 45 from
48   onmouseout="mcloseetime()">Download</a> to onmouseout="mcloseetime()">Fun
49   Things to Do</a> -->
50 <div id="m2"
51   onmouseover="mcancelcloseetime()"
52   onmouseout="mcloseetime()">
53   <a href="js_cornmaze.htm">The Corn Maze</a> <!-- Change line 49 from
54   href="#">ASP Server-side</a> to <a href="js_cornmaze.htm">The Corn
55   Maze</a> -->
56   <a href="js_haunted.htm">The Haunted Maze</a> <!-- Change line 50 from
57   href="#">Fullldown navigation</a> to <a href="Js_haunted.htm">The
58   Haunted Maze</a> -->
59   <a href="Js_petting.htm">Meet the Animals</a> <!-- Change line 51 from <a
60   href="#">AJAX Drop Submenu</a> to <a href="Js_petting.htm">meet the
61   Animals</a> -->
62   <!-- Delete line 52, <a href="#">DIV Cascading </a> -->
63   </div>
64 </li> <!-- Delete line 55 -57. replace them with the following codes -->
65 <li> <a href="JS_farminfo.htm"
66   onmouseover="mopen('m3')"
67   onmouseout="mcloseetime()">Farm Info</a>
68 </li>
69 </ul>
70 <div style="clear:both"></div>
71 <!--JS drop down Menu ends-->
```

12. Save the file and preview it on different browsers. The browser display should look like **Screen Capture 8** above.

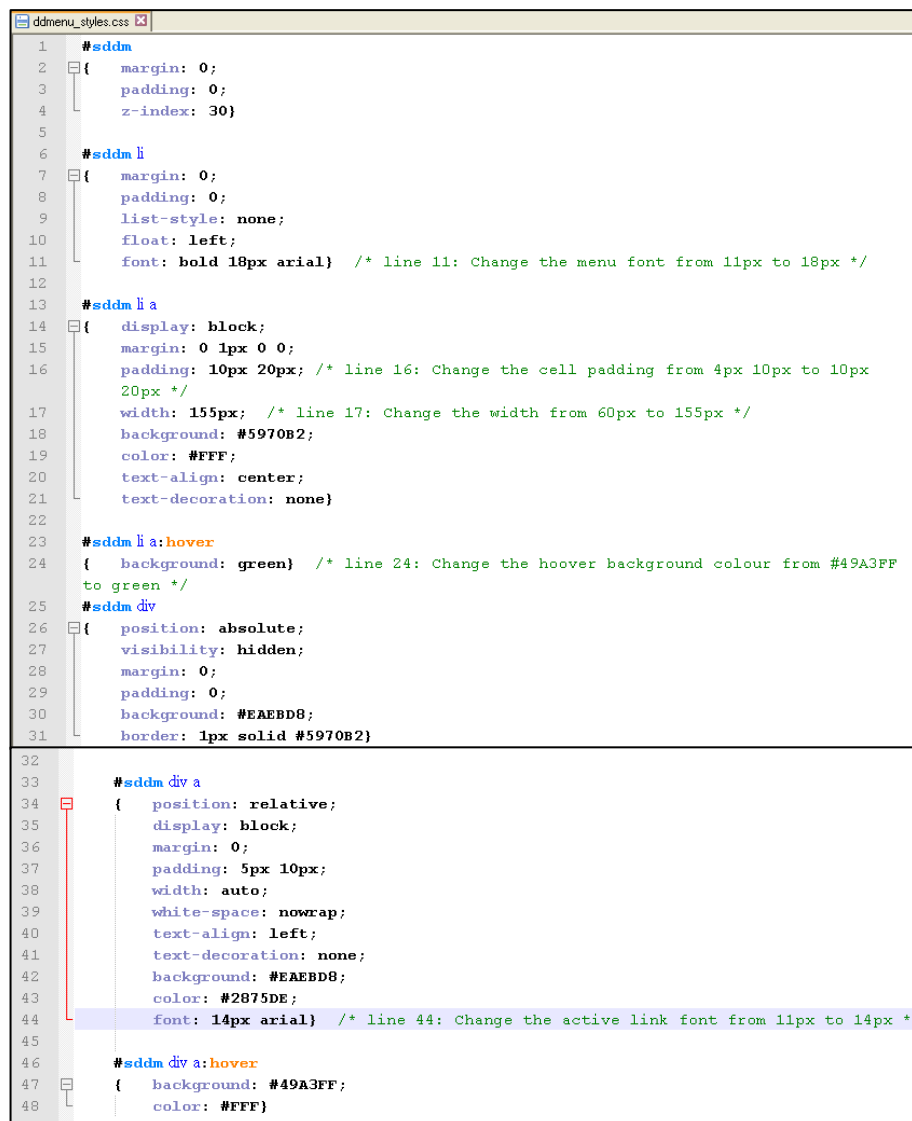
- H. Copy lines 30-61 from js\_home.htm to the other pages (js\_cornmaze.htm, js\_haunted.htm, js\_petting.htm, js\_produce.htm and js\_farminfo.htm). Paste the codes after the </header> tag.
- I. Preview the pages, the dropdown menu should display as the js\_home.htm dropdown menu on Screen capture 8 above.
- J. Finally we need to modify the JS drop down menu CSS Style to suit our pages.

Open the **ddmenu\_style.css** using the text editor, do the following changes:

1. Line 11: Change the menu font from 11px to 18px.
2. Line 16: Change the cell padding from 4px 10px to 10px 20px,
3. Line 17: Change the width of the cell from 60px to 155px
4. Line 24: change the hover background color from #49A3FF to green
5. Line 45: change the font size from font: 11px Arial to font: 14px Arial

See **Screen Capture 11** for reference

**Screen Capture 11.**



```
1  #sddm
2  {
3      margin: 0;
4      padding: 0;
5      z-index: 30;
6
7  #sddm li
8  {
9      margin: 0;
10     padding: 0;
11     list-style: none;
12     float: left;
13     font: bold 18px arial) /* line 11: Change the menu font from 11px to 18px */
14
15 #sddm li a
16 {
17     display: block;
18     margin: 0 1px 0 0;
19     padding: 10px 20px; /* line 16: Change the cell padding from 4px 10px to 10px
20     20px */
21     width: 155px; /* line 17: Change the width from 60px to 155px */
22     background: #5970B2;
23     color: #FFF;
24     text-align: center;
25     text-decoration: none;
26
27 #sddm li a: hover
28 {
29     background: green} /* line 24: Change the hover background colour from #49A3FF
30     to green */
31
32 #sddm div
33 {
34     position: absolute;
35     visibility: hidden;
36     margin: 0;
37     padding: 0;
38     background: #EAEBD8;
39     border: 1px solid #5970B2;
40
41 #sddm div a
42 {
43     position: relative;
44     display: block;
45     margin: 0;
46     padding: 5px 10px;
47     width: auto;
48     white-space: nowrap;
49     text-align: left;
50     text-decoration: none;
51     background: #EAEBD8;
52     color: #2875DE;
53     font: 14px arial} /* line 44: Change the active link font from 11px to 14px */
54
55 #sddm div a: hover
56 {
57     background: #49A3FF;
58     color: #FFF;
59 }
```

K. You are done modifying. Review all the html pages in different browsers, they should display as screen capture below.



Sunny Acres

Tammy and Brent Nielson  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your TasteBuds

Welcome

There's always something happening at Sunny Acres. With the coming of fall, we're gearing up for our big AutumnFest and Farm Show. If you haven't visited our famous [Corn Maze](#), be sure to do so before it gets torn down on November 5. This year's maze is bigger and better than ever.

Farms can be educational and Sunny Acres is no exception. Schools and home-schooling parents, spend an afternoon with us at our [Petting Barn](#). We have over 100 friendly farm animals in a clean environment. Kids can bottle feed the baby goats, lambs, and calves while they learn about nature and the farming life. Please call ahead for large school groups.



Sunny Acres • Tammy & Brent Nielson • 1977 Highway G • Council Bluffs, IA 51503



Sunny Acres

Tammy and Brent Nielson  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your TasteBuds

The Corn Maze

There's always something happening at Sunny Acres. With the coming of fall, we're gearing up for our big AutumnFest and Farm Show. If you haven't visited our famous [Corn Maze](#), be sure to do so before it gets torn down on November 5. This year's maze is bigger and better than ever.

Farms can be educational and Sunny Acres is no exception. Schools and home-schooling parents, spend an afternoon with us at our [Petting Barn](#). We have over 100 friendly farm animals in a clean environment. Kids can bottle feed the baby goats, lambs, and calves while they learn about nature and the farming life. Please call ahead for large school groups.



Sunny Acres • Tammy & Brent Nielson • 1977 Highway G • Council Bluffs, IA 51503



Sunny Acres

Tammy and Brent Nielson  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your TasteBuds

The Petting Barn


The Sunny Acres Petting Barn, conveniently located northeast of Council Bluffs, is a perfect setting for people of all ages to learn about farming and farm animals. At our farm you can enjoy over 100 friendly farm animals in a clean, relaxed, hands-on environment. The kids can bottle feed the baby goats, lambs, and calves in the Nursery and Bottle Baby pens. Come join us for a fun-filled day.

Teachers: our Petting Barn is an educational experience. Stroll around our 15 acres of open pasture and see animals in their natural habitat. Special events can be arranged for school field trips and classroom activities. Pony rides are available Saturdays and Sundays from April through October (weather permitting). Maximum rider weight limit of 75 pounds, please.

Bring a picnic lunch and stay the day, or just enjoy a peaceful hour. Perfect for school or church groups, day-care centers, family outings, company picnics, and especially birthday parties. Please come and enjoy our wonderful country atmosphere and relax! We invite you to come out and visit us often. There are always new and exciting events happening at Sunny Acres ... and that's just the way we like it!



Sunny Acres • Tammy & Brent Nielson • 1977 Highway G • Council Bluffs, IA 51503



Sunny Acres

Tammy and Brent Nielson  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm


For Your TasteBuds

The Petting Barn

The Sunny Acres Petting Barn, conveniently located northeast of Council Bluffs, is a perfect setting for people of all ages to learn about farming and farm animals. At our farm you can enjoy over 100 friendly farm animals in a clean, relaxed, hands-on environment. The kids can bottle feed the baby goats, lambs, and calves in the Nursery and Bottle Baby pens. Come join us for a fun-filled day.

Teachers: our Petting Barn is an educational experience. Stroll around our 15 acres of open pasture and see animals in their natural habitat. Special events can be arranged for school field trips and classroom activities. Pony rides are available Saturdays and Sundays from April through October (weather permitting). Maximum rider weight limit of 75 pounds, please.

Bring a picnic lunch and stay the day, or just enjoy a peaceful hour. Perfect for school or church groups, day-care centers, family outings, company picnics, and especially birthday parties. Please come and enjoy our wonderful country atmosphere and relax! We invite you to come out and visit us often. There are always new and exciting events happening at Sunny Acres ... and that's just the way we like it!



Sunny Acres • Tammy & Brent Nielson • 1977 Highway G • Council Bluffs, IA 51503



Sunny Acres

Tammy and Brent Nielson  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your TasteBuds

The Haunted Maze

Back for another year, every night the Sunny Acres Corn Maze becomes the Sunny Acres Haunted Maze. This season's maze begins with an encounter with an evil organist (played by the Council Bluffs Choir's own Glenn Frye). Explore the maze and find the zombie graveyard, the pumpkin tower, and a haunted house made of corn--not to mention the spiders, ghosts, witches, and other assorted villainy that inhabit the maze.

The Haunted Maze is open the last three weekends of October with a special event on Halloween. Come early in the day to explore the larger Corn Maze, stay for a homemade meal of brats, burgers, soda, and chips, and then participate in the Halloween Festival. Special stations will be set up in the Haunted Maze for trick-or-treaters. A smaller maze is also available that is "scare-friendly" for younger children.



Sunny Acres • Tammy & Brent Nielson • 1977 Highway G • Council Bluffs, IA 51503



Sunny Acres

Tammy and Brent Nielson  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your TasteBuds

The Haunted Maze

Back for another year, every night the Sunny Acres Corn Maze becomes the Sunny Acres Haunted Maze. This season's maze begins with an encounter with an evil organist (played by the Council Bluffs Choir's own Glenn Frye). Explore the maze and find the zombie graveyard, the pumpkin tower, and a haunted house made of corn--not to mention the spiders, ghosts, witches, and other assorted villainy that inhabit the maze.

The Haunted Maze is open the last three weekends of October with a special event on Halloween. Come early in the day to explore the larger Corn Maze, stay for a homemade meal of brats, burgers, soda, and chips, and then participate in the Halloween Festival. Special stations will be set up in the Haunted Maze for trick-or-treaters. A smaller maze is also available that is "scare-friendly" for younger children.



Sunny Acres • Tammy & Brent Nielson • 1977 Highway G • Council Bluffs, IA 51503



Sunny  
Acres

Tammy and Brent Nielsen  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your Tasterbuds

The Corn Maze

Welcome to the Sunny Acres Corn Maze. We first heard about mazes from agricultural exchange students who came from England in 1985. In Europe, mazes are very popular in castle gardens. After hearing about the mazes in Europe, we thought it would be a great idea to build one of our own right outside of Council Bluffs.


Since 1997, thousands of people have enjoyed our Corn Mazes. We hope that your family gets as much enjoyment out of this year's Corn Maze as we did building it! Our family would like to invite your family to come out and visit us at this year's Corn Maze and AutumnFest.

Our new 15-acre maze (with over 4 miles of trails to explore) is filled with twists and turns that are good fun for adults and kids alike! See how adventurous you are as you wind through the maze while taking an interactive quiz. Answer the questions correctly and receive additional clues to solve the maze. For families with young children, our maze is filled with jokes, riddles, and quests. Try to be the first in your group to punch out your quest card by visiting the secret spots. This maze is the perfect size and height for little ones. Resting places and educational displays are scattered throughout.

There is no water available in the maze. Make sure you bring water bottles with you! No one under the age of 12 will be allowed in the maze without an adult at any time.



Sunny Acres • Tammy & Brent Nielsen • 1977 Highway G • Council Bluffs, IA 51503



Sunny  
Acres

Tammy and Brent Nielsen  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your Tasterbuds

The Corn Maze

The Haunted Maze


Maze

Welcome to the Sunny Acres Corn Maze. We first heard about mazes from agricultural exchange students who came from England in 1985. In Europe, mazes are very popular in castle gardens. After hearing about the mazes in Europe, we thought it would be a great idea to build one of our own right outside of Council Bluffs.

Since 1997, thousands of people have enjoyed our Corn Mazes. We hope that your family gets as much enjoyment out of this year's Corn Maze as we did building it! Our family would like to invite your family to come out and visit us at this year's Corn Maze and AutumnFest.

Our new 15-acre maze (with over 4 miles of trails to explore) is filled with twists and turns that are good fun for adults and kids alike! See how adventurous you are as you wind through the maze while taking an interactive quiz. Answer the questions correctly and receive additional clues to solve the maze. For families with young children, our maze is filled with jokes, riddles, and quests. Try to be the first in your group to punch out your quest card by visiting the secret spots. This maze is the perfect size and height for little ones. Resting places and educational displays are scattered throughout.

There is no water available in the maze. Make sure you bring water bottles with you! No one under the age of 12 will be allowed in the maze without an adult at any time.



Sunny Acres • Tammy & Brent Nielsen • 1977 Highway G • Council Bluffs, IA 51503



Sunny  
Acres

Tammy and Brent Nielsen  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your Tasterbuds

The Farm Shop

The Sunny Acres Farm Shop aims to offer the highest quality fresh produce. You can pick your own or buy it in our shop. Set amidst acres of outstanding natural beauty on the beautiful rolling hills northeast of Council Bluffs, the Farm Shop is easily reached on Highway G, with easy access from Interstate 80.


The Farm Shop was established over 25 years ago with great success. Our products have won numerous awards at local festivals and fairs. We also cater to local supermarkets in the Council Bluffs/Omaha area. Look for our products every Saturday morning from May to October at the Council Bluffs Farmers' Market.



**Products**

- Freshly baked breads and quiches
- High quality meats
- Cheese and other dairy products
- Freshly-picked fruits and vegetables (in season)
- Canned goods and preserves

Sunny Acres • Tammy & Brent Nielsen • 1977 Highway G • Council Bluffs, IA 51503



Sunny  
Acres

Tammy and Brent Nielsen  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your Tasterbuds


The Corn Maze

The Haunted Maze

Shop

The Sunny Acres Farm Shop aims to offer the highest quality fresh produce. You can pick your own or buy it in our shop. Set amidst acres of outstanding natural beauty on the beautiful rolling hills northeast of Council Bluffs, the Farm Shop is easily reached on Highway G, with easy access from Interstate 80.


The Farm Shop was established over 25 years ago with great success. Our products have won numerous awards at local festivals and fairs. We also cater to local supermarkets in the Council Bluffs/Omaha area. Look for our products every Saturday morning from May to October at the Council Bluffs Farmers' Market.



**Products**

- Freshly baked breads and quiches
- High quality meats
- Cheese and other dairy products
- Freshly-picked fruits and vegetables (in season)
- Canned goods and preserves

Sunny Acres • Tammy & Brent Nielsen • 1977 Highway G • Council Bluffs, IA 51503



Sunny  
Acres

Tammy and Brent Nielsen  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your Tasterbuds

➤ Open 5 pm - 9 pm on October 14, 15, 21, 22, 28, and 29


➤ Halloween Festival October 31 from 3 pm - 9 pm

**Admission**

- 12 and over: \$8.50
- 6 - 11: \$6.50
- Under 6: \$2.50

**Location**

Sunny Acres  
Tammy & Brent Nielsen  
1977 Highway G  
Council Bluffs, IA



Sunny  
Acres

Tammy and Brent Nielsen  
1973 Hwy G  
Council Bluffs, IA 51503

Home

Fun Activities

Farm Info

Our Farm

For Your Tasterbuds

The Corn Maze

The Haunted Maze

Meet the Animals

➤ Open 5 pm - 9 pm on October 14, 15, 21, 22, 28, and 29

➤ Halloween Festival October 31 from 3 pm - 9 pm

**Admission**

- 12 and over: \$8.50
- 6 - 11: \$6.50
- Under 6: \$2.50

**Location**

Sunny Acres  
Tammy & Brent Nielsen  
1977 Highway G  
Council Bluffs, IA

Note: The author would like to link his site: <http://javascript-array.com> if we adapt his simple JavaScript menu codes. So, please give credit to the author by inserting a link to <http://javascript-array.com> on the bottom of one of your page