

```

<!DOCTYPE html>
<html>
  <head>
    <link type="text/css" rel="stylesheet" href="epicstest.css" />
  </head>
  <body>
    <input type="button" id="newFlower" value="Click to create new flower"
onclick="findForm()" />

    <form action="/userInfo" method="post" id="userInput">
      <div>
        <label for="name">Name:</label>
        <input type="text" id="name" name="user_name">
      </div>
      <div>
        <label for="mail">E-mail:</label>
        <input type="email" id="mail" name="user_mail">
      </div>
      <div>
        <label for="age">Age:</label>
        <input type="date" id="dob" name="user_date_of_birth">
      </div>
      <div>
        <label for="msg">Message:</label>
        <textarea id="msg" name="user_message"></textarea>
      </div>
      <div class="button">
        <button onclick="flower()" type="submit">Click to create a new
flower</button>
      </div>
    </form>

    <div id="canvas"></div>

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

    <p id="test"></p>

    <script>
      function findForm() {
        var x =
document.forms.namedItem("userInput").innerHTML;
        document.getElementById("demo").innerHTML = x;
      }
    </script>

```

```

function getRandomPosition(element) {
    var x = element.clientHeight;
    var y = element.clientWidth;
    var randomX = Math.floor(Math.random()*x);
    var randomY = Math.floor(Math.random()*y);
    return [randomX,randomY];
}
function flower() {

    var img = document.createElement('img');
    img.setAttribute("style", "position:absolute;");
    img.setAttribute("src", "BasicFlower.png");
    img.setAttribute("class", "flowerDisplay");

    var textBox = document.createElement('div');
    textBox.setAttribute("class", "innerBox");
    textBox.innerHTML = "Hello";

    document.getElementById("canvas").appendChild(img);

    document.getElementById("canvas").appendChild(textBox);

    var xy =
getRandomPosition(document.getElementById("canvas"));
    img.style.top = xy[0] + 'px';
    img.style.left = xy[1] + 'px';

    textBox.style.top = xy[0] + 'px';
    textBox.style.left = xy[1] + 'px';

    var y = document.getElementById("test").innerHTML;
    document.getElementById("demo").innerHTML = y;
}
</script>

</body>
</html>

```

CSS:

```
html, body {  
    background-color: #4ACB48;  
    height: 100%;  
    margin: 0;  
    padding: 0;  
    position: relative;  
    overflow: hidden;  
}
```

```
#userInput {  
    display: none;  
    z-index: 999;  
}
```

```
#canvas {  
    height: 80%;  
    width: 80%;  
    position: relative;  
    float: right;  
    /*border-style: groove;  
    border-width: 5px;*/  
    margin-top: 20px;  
    margin-right: 10px;  
}
```

```
#newFlower {  
    width: auto;  
    margin-left: 20px;  
    margin-top: 10px;  
    border-width: 2px;  
    border-color: #48CBC1;  
    cursor: pointer;  
}
```

```
#newFlower:hover {  
    background-color: #48CBC9;  
}
```

```
#demo {
```

```
        z-index: 999;
        width: 20%;
        height: 30%;
    }

    form {
        width: 20%;
        height: 30%;
    }

    label {
        margin-left: 10px;
        border-style: solid;
        border-width: 2px;
    }

    #dob {
        display: inline-block;
    }

    #flowerImage {
        display: none;
    }

    .flowerDisplay {
        height: 7%;
        width: 2.5%;
        padding: 0px;
        border-spacing: 0px;
    }

    .innerBox {
        display: none;
        position: absolute;
        height: 100px;
        width: 100px;
    }

    .flowerDisplay:hover {
        height: 12%;
        width: 5%;
        cursor: pointer;
        z-index: 0;
    }
```

```
}  
  
.flowerDisplay:hover + .innerBox {  
    display: block;  
    border-style: groove;  
    border-width: 2px;  
    height: 100px;  
    width: 200px;  
    z-index: 999;  
    background-color: #B6B6B4;  
    cursor: default;  
}
```

Halloween Prototype:

```
<!DOCTYPE html>  
<html>
```

```

<head>
    <link type="text/css" rel="stylesheet" href="epicstest.css" />
</head>
<body>
    <input type="button" id="newFlower" value="Click to create new flower"
onclick="findForm()" />

    <form action="/userInfo" method="post" id="userInput">
        <div class="num1">
            <label for="name">Name:</label>
            <input type="text" id="name" name="user_name">
        </div>
        <div class="num2">
            <label for="mail">E-mail:</label>
            <input type="email" id="mail" name="user_mail">
        </div>
        <div class="num3">
            <label for="age">Age:</label>
            <input type="date" id="dob" name="user_date_of_birth">
        </div>
        <div class="num4">
            <label for="msg">Message:</label>
            <textarea id="msg" name="user_message"></textarea>
        </div>
        <div class="button">
            <button onclick="flower()" type="submit">Click to create a new
flower</button>
        </div>
    </form>

    <div id="canvas"></div>

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

    <p id="test"></p>

    <script>
        function findForm() {
            var x =
document.forms.namedItem("userInput").innerHTML;
            document.getElementById("demo").innerHTML = x;
        }

        function getRandomPosition(element) {

```

```

        var x = element.clientHeight;
        var y = element.clientWidth;
        var randomX = Math.floor(Math.random()*x);
        var randomY = Math.floor(Math.random()*y);
        return [randomX,randomY];
    }
    function flower() {

        var img = document.createElement('img');
        img.setAttribute("style", "position:absolute;");
        img.setAttribute("src", "BasicFlower.png");
        img.setAttribute("class", "flowerDisplay");

        var textBox = document.createElement('div');
        textBox.setAttribute("class", "innerBox");
        textBox.innerHTML = "Message goes here";

        document.getElementById("canvas").appendChild(img);

        document.getElementById("canvas").appendChild(textBox);

        var xy =
getRandomPosition(document.getElementById("canvas"));
        img.style.top = xy[0] + 'px';
        img.style.left = xy[1] + 'px';

        textBox.style.top = xy[0] + 'px';
        textBox.style.left = xy[1] + 'px';

        var y = document.getElementById("test").innerHTML;
        document.getElementById("demo").innerHTML = y;
    }
</script>

</body>
</html>

```

CSS:

```

html, body {
    /*background-color: #4ACB48;*/
    height: 100%;

```

```
        margin: 0;
        padding: 0;
        position: relative;
        overflow: hidden;
    }

    #userInput {
        display: none;
        z-index: 999;
    }

    #canvas {
        height: 80%;
        width: 80%;
        position: relative;
        float: right;
        /*border-style: groove;
        border-width: 5px;*/
        margin-top: 20px;
        margin-right: 10px;
    }

    #newFlower {
        width: auto;
        margin-left: 20px;
        margin-top: 10px;
        border-width: 2px;
        border-color: #48CBC1;
        cursor: pointer;
    }

    #newFlower:hover {
        background-color: #48CBC9;
    }

    #demo {
        z-index: 999;
        width: 18%;
        height: 30%;
        margin-top: 2%;
        margin-right: 0px;
        margin-bottom: 0px;
    }
```



```
.button {  
    margin-left: 2px;  
}
```

```
.num1 {  
    margin: 3%;  
}
```

```
.num2 {  
    margin: 3%;  
}
```

```
.num3 {  
    margin: 3%;  
}
```

```
.num4 {  
    margin: 3%;  
}
```

```
label {  
  
}
```

```
#name {  
    float: right;  
    margin: 0px;  
}
```

```
#mail {  
    float: right;  
    display: inline-block;  
}
```

```
#dob {  
    float: right;  
}
```

```
#msg {  
    float: right;  
}
```

```
#flowerImage {
```

```

        display: none;
    }

    .flowerDisplay {
        height: 7%;
        width: 2.5%;
        padding: 0px;
        border-spacing: 0px;
        margin-bottom: 7%;
        margin-right: 7%;
    }

    .innerBox {
        display: none;
        position: absolute;
        height: 100px;
        width: 100px;
    }

    .flowerDisplay:hover {
        height: 12%;
        width: 5%;
        cursor: pointer;
        z-index: 0;
    }

    .flowerDisplay:hover + .innerBox {
        display: block;
        border-style: groove;
        border-width: 2px;
        height: 100px;
        width: 200px;
        z-index: 999;
        background-color: #B6B6B4;
        cursor: default;
    }

```

Original Modal Code

Code that includes modal for the form

```

</head>
<body>
<button onclick="document.getElementById('myModal').style.display='block'" id="myBtn" >Open Modal</button>

<!-- The Modal -->
<div id="myModal" class="modal">

```

```

<!-- Modal content -->
<div class="modal-content">
  <span class="close">&times;</span>
  <form action="/userInfo" method="post" id="userInput">
    <div>
      <label for="name">Name:</label>
      <input type="text" id="name" name="user_name">
    </div>
    <div>
      <label for="mail">E-mail:</label>
      <input type="email" id="mail" name="user_mail">
    </div>
    <div>
      <label for="age">Age:</label>
      <input type="date" id="dob" name="user_date_of_birth">
    </div>
    <div>
      <label for="msg">Message:</label>
      <textarea id="msg" name="user_message"></textarea>
    </div>
    <div class="button">
      <button onclick="flower()" type="button">Click to create a new flower</button>
    </div>
  </form>
</div>

```

```

</div>

```

```

<div id="canvas"></div>

```

```

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

```

```

<p id="test"></p>

```

```

<script>

```

```

function findForm() {
  var x = document.forms.namedItem("userInput").innerHTML;
  document.getElementById("demo").innerHTML = x;
}

```

```

function getRandomPosition(element) {
  var x = element.clientHeight;
  var y = element.clientWidth;
  var randomX = Math.floor(Math.random()*x);
  var randomY = Math.floor(Math.random()*y);
  return [randomX,randomY];
}

```

```

function close() {

```

```

  flower();

```

```

}

function flower() {

    //makes modal close when button is clicked
    var modal = document.getElementById("myModal");
    modal.style.display = "none";

    var img = document.createElement('img');
    img.setAttribute("style", "position:absolute;");
    img.setAttribute("src", "BasicFlower.png");
    img.setAttribute("class", "flowerDisplay");

    var textBox = document.createElement('div');
    textBox.setAttribute("class", "innerBox");
    textBox.innerHTML = "Hello";

    document.getElementById("canvas").appendChild(img);
    document.getElementById("canvas").appendChild(textBox);

    var xy = getRandomPosition(document.getElementById("canvas"));
    img.style.top = xy[0] + 'px';
    img.style.left = xy[1] + 'px';

    textBox.style.top = xy[0] + 'px';
    textBox.style.left = xy[1] + 'px';

    var y = document.getElementById("test").innerHTML;
    document.getElementById("demo").innerHTML = y;
}

// Get the modal
var modal = document.getElementById("myModal");

// Get the button that opens the modal
var btn = document.getElementById("myBtn");

// Get the <span> element that closes the modal
var span = document.getElementsByClassName("close")[0];

// When the user clicks the button, open the modal
btn.onclick = function() {
    modal.style.display = "block";
}

// When the user clicks on <span> (x), close the modal
span.onclick = function() {
    modal.style.display = "none";
}

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
    if (event.target == modal) {

```

```

        modal.style.display = "none";
    }
}
</script>

</body>
</html>

```

CSS for this code

```

html, body {
    /*background-color: #4ACB48;*/
    height: 100%;
    margin: 0;
    padding: 0;
    position: relative;
    overflow: hidden;
}

```

```

#flowerImage {
    display: none;
}

```

```

.flowerDisplay {
    height: 7%;
    width: 2.5%;
    padding: 0px;
    border-spacing: 0px;
}

```

```

.innerBox {
    display: none;
    position: absolute;
    height: 100px;
    width: 100px;
}

```

```

.flowerDisplay:hover {
    height: 12%;
    width: 5%;
    cursor: pointer;
    z-index: 0;
}

```

```

.flowerDisplay:hover + .innerBox {
    display: block;
    border-style: groove;
    border-width: 2px;
    height: 100px;
    width: 200px;
}

```

```
z-index: 999;
background-color: #B6B6B4;
cursor: default;
}

#canvas {
height: 80%;
width: 80%;
position: relative;
float: right;
/*border-style: groove;
border-width: 5px;*/
margin-top: 20px;
margin-right: 10px;
}

#newFlower {
width: auto;
margin-left: 20px;
margin-top: 10px;
border-width: 2px;
border-color: #48CBC1;
cursor: pointer;
}

#newFlower:hover {
background-color: #48CBC9;
}

#demo {
z-index: 999;
width: 20%;
height: 30%;
}

body {font-family: Arial, Helvetica, sans-serif;}

/* The Modal (background) */
.modal {
display: none; /* Hidden by default */
position: absolute; /* Stay in place */
z-index: 1; /* Sit on top */
padding-top: 100px; /* Location of the box */
left: 0;
top: 0;
width: 100%; /* Full width */
height: 100%; /* Full height */
overflow: auto; /* Enable scroll if needed */
background-color: rgb(0,0,0); /* Fallback color */
background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
}

/* Modal Content */
.modal-content {
background-color: #fefefe;
```

```
margin: auto;
padding: 20px;
border: 1px solid #888;
width: 25%;
height: 20%;
}
```

```
/* The Close Button */
.close {
color: #aaaaaa;
float: right;
font-size: 28px;
font-weight: bold;
}
```

```
.close:hover,
.close:focus {
color: #000;
text-decoration: none;
cursor: pointer;
}
```

Sprint 3 Code:

HTML:

```
<!DOCTYPE html>
<html>
```

```
  <head>
```

```
    <link type="text/css" rel="stylesheet" href="epicstest.css" />
```

```
  </head>
```

```
  <body>
```

```
    <div id="heading">
```

```
      <h1 id="evaHeading">Eva's Garden</h1>
```

```
    </div>
```

```
    <div id="leftSide">
```

```
      <button
```

```
onclick="document.getElementById('myModal').style.display='block'" id="myBtn" >Create New
Flower</button><!--flower()-->
```

```
    <div id="leftContainer">
```

```
      
```

```
      
```

```
      
```

```
    </div>
```

```
  </div>
```

```
    <div id="rightContainer">
```

```
      
```

```
        
        
    </div>
```

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

```
<p id="test"></p>
```

```
<div id="canvas"></div>
```

```
<!-- The Modal -->
```

```
<div id="myModal" class="modal">
```

```
    <!-- Modal content -->
```

```
    <div class="modal-content">
```

```
        <span class="close">&times;</span>
```

```
        <form action="/userInfo" method="post" id="userInfo">
```

```
            <div>
```

```
                <label for="name">Name:</label>
```

```
                <input type="text" id="name" name="user_name">
```

```
            </div>
```

```
            <div>
```

```
                <label for="mail">E-mail:</label>
```

```
                <input type="email" id="mail" name="user_mail">
```

```
            </div>
```

```
            <div>
```

```
                <label for="age">Age:</label>
```

```
                <input type="date" id="dob" name="user_date_of_
```

```
birth">
```

```
            </div>
```

```
            <div>
```

```
                <label for="msg">Message:</label>
```

```
                <textarea id="msg" name="user_message"></textarea>
```

```
            </div>
```

```
            <div class="button">
```

```
                <button onclick="flower()" type="button">Click to create a
new flower</button>
```

```
            </div>
```

```
        </form>
```

```
    </div>
```

```
</div>
```

```
<script>
```



```

function findForm() {
    var x =
document.forms.namedItem("userInput").innerHTML;
    document.getElementById("demo").innerHTML = x;
}

function getRandomPosition(element) {
    var x = element.clientHeight;
    var y = element.clientWidth;
    var randomX = Math.floor(Math.random()*x);
    var randomY = Math.floor(Math.random()*y);
    return [randomX,randomY];
}
function flower() {

    var modal = document.getElementById("myModal");
    modal.style.display = "none";

    var img = document.createElement('img');
    img.setAttribute("style", "position:absolute;");
    img.setAttribute("src", "wfyiflower1.png");
    img.setAttribute("class", "flowerDisplay");

    var textBox = document.createElement('div');
    textBox.setAttribute("class", "innerBox");
    textBox.innerHTML = "Message goes here";

    document.getElementById("canvas").appendChild(img);

    document.getElementById("canvas").appendChild(textBox);

    var xy =
getRandomPosition(document.getElementById("canvas"));
    img.style.top = xy[0] + 'px';
    img.style.left = xy[1] + 'px';

    textBox.style.top = xy[0] + 'px';
    textBox.style.left = xy[1] + 'px';

    var y = document.getElementById("test").innerHTML;
    document.getElementById("demo").innerHTML = y;
}

// Get the modal

```

```

        var modal = document.getElementById("myModal");

        // Get the <span> element that closes the modal
        var span = document.getElementsByClassName("close")[0];

        // When the user clicks on <span> (x), close the modal
        span.onclick = function() {
            modal.style.display = "none";
        }

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

</body>
</html>

```

CSS:

```

html, body {
    /*background-color: #4ACB48;*/
    height: 100%;
    margin: 0;
    padding: 0;
    position: relative;
    overflow: hidden;
}

#heading {
    position: absolute;
    float: left;
    left: 50%;
    transform: translateX(-50%);
}

#evaHeading {
    font-family: cursive;
    font-size: 60px;
}

```

```

}

#canvas {
    height: 50%;
    width: 72%;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    position: absolute;
    /*border-style: groove;
    border-width: 5px;*/
}

#newFlower:hover {
    background-color: #48CBC9;
}

#demo {
    width: 0;
    height: 0;
    float: left;
}

#flowerImage {
    display: none;
}

.flowerDisplay {
    height: 7%;
    width: 2.5%;
    padding: 0px;
    border-spacing: 0px;
    margin-bottom: 7%;
    margin-right: 7%;
}

.innerBox {
    display: none;
    position: absolute;
    height: 100px;
    width: 100px;
}

/* .flowerDisplay:hover {

```

```

        height: 12%;
        width: 5%;
        cursor: pointer;
        z-index: 0;
    }*/

    .flowerDisplay:hover + .innerBox {
        display: block;
        border-style: groove;
        border-width: 2px;
        height: 100px;
        width: 200px;
        z-index: 999;
        background-color: #B6B6B4;
        cursor: default;
    }

    #newFlower, #myBtn {
        width: 47%;
        margin-left: 20px;
        margin-top: 10px;
        border-width: 2px;
        border-color: #48CBC1;
        cursor: pointer;
        float: left;
    }

    #leftContainer {
        float: left;
        height: 100%;
        width: 45%;
        margin-top: 10%;
        margin-left: 5%;
    }

    #rightContainer {
        float: right;
        height: 100%;
        width: 10%;
        margin-top: 4.5%;
        margin-right: 2%;
    }

    #leftSide {

```

```

        height: 100%;
        width: 25%;
        float: left;
        display: block;
    }

    #leafL{
        height: 26%;
        width: 78%;
        margin-top: 8%;
    }

    #leafR{
        height: 27%;
        width: 83%;
        margin-top: 8%;
        float: right;
    }

    /* The Modal (background) */
    .modal {
        display: none; /* Hidden by default */
        position: absolute; /* Stay in place */
        z-index: 1; /* Sit on top */
        padding-top: 100px; /* Location of the box */
        left: 0;
        top: 0;
        width: 100%; /* Full width */
        height: 100%; /* Full height */
        overflow: auto; /* Enable scroll if needed */
        background-color: rgb(0,0,0); /* Fallback color */
        background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
    }

    /* Modal Content */
    .modal-content {
        background-color: #fefefe;
        margin: auto;
        padding: 20px;
        border: 1px solid #888;
        width: 25%;
        height: 20%;
    }

```

```

/* The Close Button */
.close {
  color: #aaaaaa;
  float: right;
  font-size: 28px;
  font-weight: bold;
}

.close:hover,
.close:focus {
  color: #000;
  text-decoration: none;
  cursor: pointer;
}

body {font-family: Arial, Helvetica, sans-serif;}

```

Dylan's Form Code:

HTML:

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width">
    <title>WFYI</title>
    <link href="style.css" rel="stylesheet" type="text/css" />
  </head>
  <body>
    <form action="http://127.0.0.1:5000/" method="post" id="userInput">
      <div>
        <label for="name">Name:</label>
        <input type="text" name="name" required>
      </div>
      <div>
        <label for="mail">E-mail:</label>
        <input type="email" name="mail">
      </div>
      <div>
        <label for="dob">Age:</label>
        <input type="date" name="dob" required>
      </div>
    </form>
  </body>
</html>

```

```

        <div>
            <label for="msg">Message:</label>
            <textarea name="msg"></textarea>
        </div>
    <div>
        <select name = "color">
            <option>Blue</option>
            <option>Red</option>
            <option>Yellow</option>
        </select>
        <select name = "flowerType">
            <option>Lilly</option>
            <option>Daisy</option>
            <option>Posey</option>
        </select>
    </div>
    <div class="button">
        <button onclick="window.location.href = 'https://www.wfyi.com/';" type="submit">Click to
create a new flower</button>
    </div>
</form>
</body>
</html>

```

CSS:

```

html, body {
    background-color: #E2E3E3;
    height: 100%;
    margin: 0;
    padding: 0;
    position: relative;
}
form {
    /* Center the form on the page */
    margin: 0 auto;
    width: 400px;
    /* Form outline */
    padding: 1em;
    border: 1px solid #CCC;
    border-radius: 1em;
}

```

```

form div + div {

```

```

    margin-top: 1em;
}

label {
    /* Uniform size & alignment */
    display: inline-block;
    width: 90px;
    text-align: right;
}

input,
textarea {
    /* To make sure that all text fields have the same font settings
       By default, textareas have a monospace font */
    font: 1em sans-serif;

    /* Uniform text field size */
    width: 300px;
    box-sizing: border-box;

    /* Match form field borders */
    border: 1px solid #999;
}

input:focus,
textarea:focus {
    /* Additional highlight for focused elements */
    border-color: #000;
}

textarea {
    /* Align multiline text fields with their labels */
    vertical-align: top;

    /* Provide space to type some text */
    height: 5em;
}

.button {
    /* Align buttons with the text fields */
    padding-left: 90px; /* same size as the label elements */
}

button {

```



```
/* This extra margin represent roughly the same space as the space
   between the labels and their text fields */
margin-left: .5em;
}

.canvas {
    height: 90%;
    width: 90%;
    background-color: #4ACB48;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
}

#newFlower {
    width: auto;
    margin-left: 20px;
    margin-top: 10px;
    border-width: 2px;
    border-color: #48CBC1;
    cursor: pointer;
}

#newFlower:hover {
    background-color: #48CBC9;
}
```

Andrew's CSS 12/9/2019

```
html, body {  
    /*background-color: #4ACB48;*/  
    height: 100%;  
    margin: 0;  
    padding: 0;  
    position: relative;  
    overflow: hidden;  
}
```

```
#heading {  
    position: absolute;  
    float: left;  
    left: 50%;  
    transform: translateX(-50%);  
}
```

```
#evaHeading {  
    font-family: cursive;  
    font-size: 60px;  
}
```

```
#canvas {  
    height: 50%;  
    width: 72%;  
    top: 50%;  
    left: 50%;  
    transform: translate(-50%,-50%);  
    position: absolute;  
    /*border-style: groove;  
    border-width: 5px;*/  
}
```

```
#newFlower:hover {  
    background-color: #48CBC9;  
}
```

```
#demo {  
    width: 0;  
    height: 0;
```

```
        float: left;
    }
```

```
#flowerImage {
    display: none;
}
```

```
.flowerDisplay {
    height: 9%;
    width: 4%;
    padding: 0px;
    border-spacing: 0px;
    margin-bottom: 7%;
    margin-right: 7%;
}
```

```
.innerBox {
    display: none;
    position: absolute;
    height: 100px;
    width: 100px;
}
```

```
.flowerDisplay:hover + .innerBox {
    display: block;
    border-style: groove;
    border-width: 2px;
    height: 100px;
    width: 200px;
    z-index: 999;
    background-color: #B6B6B4;
    cursor: default;
}
```

```
#newFlower, #myBtn {
    width: 47%;
    margin-left: 20px;
    margin-top: 10px;
    border-width: 2px;
    border-color: #48CBC1;
    cursor: pointer;
    float: left;
```

```
}
```

```
#leftContainer {  
    float: left;  
    height: 100%;  
    width: 45%;  
    margin-top: 10%;  
    margin-left: 5%;  
}
```

```
#rightContainer {  
    float: right;  
    height: 100%;  
    width: 10%;  
    margin-top: 4.5%;  
    margin-right: 2%;  
}
```

```
#leftSide {  
    height: 100%;  
    width: 25%;  
    float: left;  
    display: block;  
}
```

```
#leafL{  
    height: 26%;  
    width: 78%;  
    margin-top: 8%;  
}
```

```
#leafR{  
    height: 27%;  
    width: 83%;  
    margin-top: 8%;  
    float: right;  
}
```

```
#bottom {  
    position: relative;  
    left: 50%;  
    top: 100%;  
    transform: translate(-50%,-100%);  
    height: 30%;  
}
```

```

        width: auto;
    }

#bottomPic, #bottomPic2 {
    height: 60%;
    width: 60%;
    position: relative;
    left:
    top: 80%;
    transform: translateY(-100%);
}

/* The Modal (background) */
.modal {
    display: none; /* Hidden by default */
    position: absolute; /* Stay in place */
    z-index: 1; /* Sit on top */
    padding-top: 100px; /* Location of the box */
    left: 0;
    top: 0;
    width: 100%; /* Full width */
    height: 100%; /* Full height */
    overflow: auto; /* Enable scroll if needed */
    background-color: rgb(0,0,0); /* Fallback color */
    background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
}

/* The Close Button */
.close {
    color: #aaaaaa;
    float: right;
    font-size: 28px;
    font-weight: bold;
}

.close:hover,
.close:focus {
    color: #000;
    text-decoration: none;
    cursor: pointer;
}

```

```
body {font-family: Arial, Helvetica, sans-serif;}
```

```
form {  
  /* Center the form on the page */  
  margin: 0 auto;  
  width: 400px;  
  /* Form outline */  
  padding: 1em;  
  border: 1px solid #CCC;  
  border-radius: 1em;  
  background-color: #fefefe;  
}
```

```
form div + div {  
  margin-top: 1em;  
}
```

```
label {  
  /* Uniform size & alignment */  
  display: inline-block;  
  width: 90px;  
  text-align: right;  
}
```

```
input,  
textarea {  
  /* To make sure that all text fields have the same font settings  
    By default, textareas have a monospace font */  
  font: 1em sans-serif;  
  
  /* Uniform text field size */  
  width: 300px;  
  box-sizing: border-box;  
  
  /* Match form field borders */  
  border: 1px solid #999;  
}
```

```
input:focus,  
textarea:focus {  
  /* Additional highlight for focused elements */  
  border-color: #000;  
}
```

```

textarea {
  /* Align multiline text fields with their labels */
  vertical-align: top;

  /* Provide space to type some text */
  height: 5em;
}

.button {
  /* Align buttons with the text fields */
  padding-left: 90px; /* same size as the label elements */
}

button {
  /* This extra margin represent roughly the same space as the space
     between the labels and their text fields */
  margin-left: .5em;
}

```

End of Semester HTML and CSS code

HTML:

```

<!DOCTYPE html>
<html>
  <head>
    <link type="text/css" rel="stylesheet" href="stylesheet.css" />
  </head>

  <header></header>

  <body>

    <!--Short statement about the page and Eva's quote image-->
    <div id="top">
      
    </div>

    <!--garden div where flowers are generated-->
    <div id="garden">

      <!--generate a flower button-->

```

```
        
```

```
    <!--Left side of the garden with leaves-->
```

```
    <div id="leftContainer">
```

```
        
```

```
        
```

```
        
```

```
        
```

```
    </div>
```

```
    <!--Right side of the garden with leaves-->
```

```
    <div id="rightContainer">
```

```
        
```

```
        
```

```
        
```

```
        
```

```
    </div>
```

```
    <!--The canvas where flowers are generated-->
```

```
    <div id="canvas"></div>
```

```
    <!--container with eva's quote picture in it-->
```

```
    <div id="centerContainer">
```

```
        
```

```
    </div>
```

```
    <!--Bottom container with big blue flower image in it-->
```

```
    <div id="bottomContainer">
```

```
        
```

```
    </div>
```

```
    <!-- The Modal -->
```

```
    <div id="myModal" class="modal">
```

```
        <!-- Modal content -->
```

```
        <div class="modal-content">
```

```
            <form action="/userInfo" method="post" id="userInput">
```

```
                <div>
```

```
                    <label for="name">Name:</label>
```

```
                    <input type="text" id="name"
```

```
name="user_name">
```

```
                </div>
```

```
                <div>
```

```
                    <label for="mail">E-mail:</label>
```



```

        <input type="email" id="mail" name="user_mail">
    </div>
    <div>
        <label for="age">Age:</label>
        <input type="date" id="dob"
name="user_date_of_birth">
    </div>
    <div>
        <label for="msg">Message:</label>
        <textarea id="msg"
name="user_message"></textarea>
    </div>
    <div class="button">
        <button onclick="flower()" type="button">Click to
create a new flower</button>
    </div>
</form>
</div>
</div>
</div>
<script>
    //javascript functions

    //generates the coordinates for the flowers in a random circle
    function getRandomPosition() {

        //assign a random radius
        var c = (3200 * Math.random()) + 3200;//assign the cos a
random value between 6400 and 3200
        var s = (1600 * Math.random()) + 1600;//assign the sin a
random value between 1600 and 3200

        //assigns a random place around the circumference
        var a = Math.random()* 6.28318530718;//pick a random
place anywhere inside of a circle (2pi = 6.28318530718)

        var x = c * Math.cos(a);//3200 min 6400 max
        var y = s * Math.sin(a);//1600 min 3200 max
        return [x,y];//return the random values
    }

    //generates the flower itself
    function flower() {

```

```

    var modal = document.getElementById("myModal");
    modal.style.display = "none";//get rid of the modal on
screen

    var img = document.createElement('img');//create and
image
    img.setAttribute("style", "position:absolute;");//give the
image a position of absolute
    img.setAttribute("src", "images/wfyiflower1.png");//assign
the image to a certain path pointing to the file
    img.setAttribute("class", "flowerDisplay");//give the flower a
class to further style it

    var textBox = document.createElement('div');//create a div
    textBox.setAttribute("class", "innerBox");//give it the class
innerBox
    textBox.innerHTML = "Message goes here";//write in the
box

    document.getElementById("canvas").appendChild(img);//add the flower as a child of the
canvas

    document.getElementById("canvas").appendChild(textBox);//add the textbox as a child
of the canvas

    var xy = getRandomPosition();//run the random function
from above
    img.style.top = xy[0] + '%';//assign the outputs of the
function to the flower's location
    img.style.left = xy[1] + '%';

    textBox.style.top = xy[0] + '%';//assign the same outputs of
the function to the textbox's location
    textBox.style.left = xy[1] + '%';
}

// Get the modal
var modal = document.getElementById("myModal");

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
    if (event.target == modal) {

```

```
        modal.style.display = "none";
    }
}

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

CSS:

```
html, body {
    height: 100%;
    margin: 0;
    padding: 0;
    font-family: Arial, Helvetica, sans-serif;
    overflow: auto;
}
```

```
/*
*****
WEBSITE HEADER
*****
*/
```

```
header {
    height: 17%;
}
```

```
#websiteHeading {
    height: 100%;
    width: 100%;
    position: relative;
}
```

```
/******/
```

```
/*
*****
WEBSITE'S MISSION STATEMENT
*****
*/
```

```
#top {
    position: relative;
```

```

        height: 75%;
    }

    #evaHeading {
        height: 100%;
        width: auto;
        position: absolute;
        left: 50%;
        top: 50%;
        transform: translate(-50%, -50%);
    }

```

```

/*****/

```

```

/*
*****

THE GARDEN
*****
*/

```

```

#garden {
    position: relative;
    height: 100%;
    width: 100%;
}

```

```

/*Create flower button*/
#buttonPicture {
    margin-top: 5%;
    cursor: pointer;
    height: 10%;
    width: auto;
}
/*****/

```

```

/*canvas to generate flowers on*/
#canvas {
    height: 1%;
    width: 1%;
    position: absolute;
    top: 75%;
    left: 50%;
    transform: translate(-50%, -50%);
}

```

```
}  
/*****/  
  
/*Center container with the Eva quote*/  
#centerContainer {  
    position: absolute;  
    top: 75%;  
    left: 50%;  
    transform: translate(-50%,-50%);  
    z-index: 1;  
    height: 40%;  
}
```

```
#centerPiece {  
    height: 100%;  
    width: auto;  
}
```

```
/*****/
```

```
/*Left Side*/  
#leftContainer {  
    float: left;  
    height: auto;  
    width: 10%;  
    margin-left: 2%;  
    position: relative;  
}
```

```
#leafL{  
    height: 26%;  
    width: 78%;  
    margin-top: 8%;  
}
```

```
/*****/
```

```
/*Right Side*/  
#rightContainer {  
    float: right;  
    height: auto;  
    width: 10%;  
    margin-right: 2%;
```

```

        position: relative;

    }

    #leafR{
        height: 26%;
        width: 78%;
        margin-top: 8%;
        float: right;
    }
    /*****/

    /*Bottom container with blue flower arrangement image*/
    #bottomContainer {
        position: absolute;
        height: 35%;
        width: 100%;
        left: 50%;
        top: 170%;
        transform: translate(-50%, -100%);
    }

    #bottomPic {
        height: 100%;
        width: 100%;
        position: relative;
    }
    /*****/

    /*
    *****/

    Styling from Javascript set classes
    *****/

    */
    .flowerDisplay {
        height: 350%;
        width: auto%;
        padding: 0px;
        border-spacing: 0px;
        margin-bottom: 7%;
        margin-right: 7%;
    }

```

```

.innerBox {
    display: none;
    position: absolute;
    height: 100px;
    width: 100px;
    z-index: 999;
}

.flowerDisplay: hover + .innerBox {
    display: block;
    border-style: groove;
    border-width: 2px;
    height: 100px;
    width: 200px;
    z-index: 999;
    background-color: #B6B6B4;
    cursor: default;
}
/*****/

```

```

/*
*****

POPUP WINDOW FOR CREATING A FLOWER
*****
*/

```

```

/* The Modal (background) */
.modal {
    display: none; /* Hidden by default */
    position: absolute; /* Stay in place */
    z-index: 1; /* Sit on top */
    padding-top: 100px; /* Location of the box */
    left: 0;
    top: 0;
    width: 100%; /* Full width */
    height: 100%; /* Full height */
    overflow: auto; /* Enable scroll if needed */
    background-color: rgb(0,0,0); /* Fallback color */
    background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
}

```

```

/*actual form styling*/
form {
  /* Center the form on the page */
  margin: 0 auto;
  width: 400px;
  /* Form outline */
  padding: 1em;
  border: 1px solid #CCC;
  border-radius: 1em;
  background-color: #fefefe;
}

form div + div {
  margin-top: 1em;
}

label {
  /* Uniform size & alignment */
  display: inline-block;
  width: 90px;
  text-align: right;
}

input,
textarea {
  /* To make sure that all text fields have the same font settings
    By default, textareas have a monospace font */
  font: 1em sans-serif;

  /* Uniform text field size */
  width: 300px;
  box-sizing: border-box;

  /* Match form field borders */
  border: 1px solid #999;
}

input:focus,
textarea:focus {
  /* Additional highlight for focused elements */
  border-color: #000;
}

textarea {

```



```
/* Align multiline text fields with their labels */
vertical-align: top;

/* Provide space to type some text */
height: 5em;
}

.button {
/* Align buttons with the text fields */
padding-left: 90px; /* same size as the label elements */
}

button {
/* This extra margin represent roughly the same space as the space
   between the labels and their text fields */
margin-left: .5em;
}

/*****/
```