| Part | 1 | 2 | 3 | 4 | Total |
|------|---|---|---|---|-------|
| *Maximum Points* | **25** points | **25** points | **25** points | **25** points | **100** points |
| ***Your Score*** | | | | | |

### Textbook Reading Assignment

Thoroughly read Tutorial 7 in your <u>Carey HTML, CSS, and Dynamic HTML</u> textbook.

### Part 1          Glossary Terms

Define, in detail, each of these glossary terms from the realm of computer programming logic and design and computer topics, in general.  If applicable, use examples to support your definitions.  Consult your notes or course textbook(s) as references or the Internet by visiting Web sites such as:

**http://www.askjeeves.com**     or       **http://www.webopedia.com**

**(a)     Shockwave Flash player**

a software plug-ins used for viewing multi-media and video games in web pages.

**(b)     Bandwidth**

It describes the maximum data transfer rate of a network or Internet connection. It measures how much data can be sent over a specific connection in a given amount of time.

**(c)     File compression**

File compression is a data compression method in which the logical size of a file is reduced to save disk space for easier and faster transmission over a network or the Internet. It enables the creation of a version of one or more files with the same data at a size substantially smaller than the original file

**(d)     Mime type**

MIME stands for Multipurpose Internet Mail Extensions. It's a way of identifying files on the Internet according to their nature and format. For example, using the Content-type header value defined in a HTTP response, the browser can open the file with the proper extension/plugin.

**(e)  ActiveX Control**

An ActiveX control is a component program object that can be re-used by many application programs within a computer or among computers in a network. The technology for creating ActiveX controls is part of Microsoft's overall ActiveX set of technologies, chief of which is the Component Object Model (COM).

**(f)  RealAudio Player**

A multimedia player from RealNetworks that plays RealAudio and RealVideo transmissions. Included is the technology (see RealJukebox) for organizing music files and creating MP3 files from audio CDs

**(g)  Java applet**

Java applets were small applications written in the Java programming language, or another programming language that compiles to Java bytecode, and delivered to users in the form of Java bytecode.

## Part 2  Textbook Exercises – Coding for Multimedia Files

Using the suggested code from your text, create the code that will allow the reader to choose from the following multimedia objects:

Audio file
Video file
Flash file
YouTube video file

**CODE:**

<!DOCTYPE html>

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>HW07_part02</title>
  <style>
    body {
      background-color: #b0b0d177;
    }

    p {
      text-align: justify;

    }

    .container {
      margin: 0 auto;
      width: 40%;
    }

    data {
      clear: both;
      margin: 0 auto;
      padding: 2% 3% 5% 21%;
    }

    .box-container {
      width: 100%;
      padding: 2%;
      margin: 2%;
      flex-direction: row;
    }

    .box {
      width: 60%;
      margin: 0 auto;
```

```
      clear: both;
      padding: 2%;

    }

    .box>img {
      flex: 1;
      width: 30%;
      float: left;
    }
  </style>



</head>

<body>


  <header>
    <h1 style="background: cornflowerblue; padding: 2%; text-align: center;">Muscle Car Society</h1>

  </header>
  <nav>
    <ul>
     <li><a href="#home">Home</a></li>
     <li><a href="#news">News</a></li>
     <li><a href="#contact">Contact</a></li>
     <li><a href="#about">About</a></li>
    </ul>
   </nav>
  <div width="100%">
   <div class="container">
     <p>Muscle Car Society is a group for classic muscle car enthusiasts and collectors who are passionate about
       building and driving muscle cars.The Group was created focusing on restoration, the latest industry news, and
       additional coverage of high-performance cars.</p>
     <br><br>
```

```html
      <object data="ford-mustang.png">
      </object>
      <br><br>
      <audio controls>
        <source src="ferrari-sound-effect.mp3" type="audio/mpeg">
      </audio>
      <br>
      <object width="300" height="200">
        <param name="movie" value="file.swf">
        <embed src="file.swf" width="300" height="250">
        </embed>
      </object>
      <br><br>
      <video width="320" height="240" controls>
        <source src="movie.mp4" type="video/mp4">


      </video>
      <br><br>
      <iframe width="560" height="315" src="https://www.youtube.com/embed/LdWs4PMOViE" frameborder="0"
        allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>


      <br><br>
    </div>
  </div>

  <div class="box-container">
    <div class="box">
      <img src="chevy.jpg" alt="car1">
      <img src="mc.jpg" alt="car2">
      <img src="red.jpg" alt="car3">
    </div>
  </div>
</body>

</html>
```
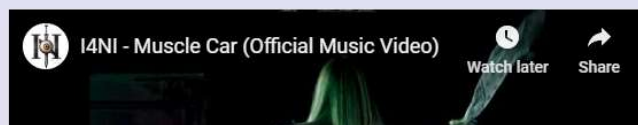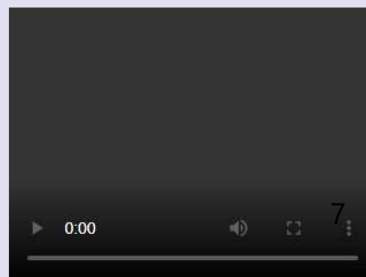
**Screenshot:**

# Muscle Car Society

Muscle Car Society is a group for classic muscle car enthusiasts and collectors who are passionate about building and driving muscle cars. The Group was created focusing on restoration, the latest industry news, and additional coverage of high-performance cars.



Adobe Flash Player is blocked

I4NI - Muscle Car (Official Music Video)

## Part 3       Make a Photo Album, Audio Jukebox, Video Jukebox Web Page

Choose two pictures showing the Arctic, two of your favorite audio music files, and two (short file please) favorite videos. Make a web page where the user can view your pictures, hear your music files and see your video files.

**Code:**

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>HW07_Part03</title>
    <style>
        body {
            background-image: url("arctic.jpg");
            font-family: fantasy;
            background-size: cover;
        }

        .footer {
            position: fixed;
            z-index: 999999;
            bottom: 1px;
            width: 100%;
            background: rgba(12, 12, 138, 0.336);
            box-shadow: 1px 1px black;
            padding: 1%;
        }

        .footer-con {
            flex-direction: row;
            width: 100%;
        }

        .item {
            color: white;
```

```css
    width: 20%;
    flex: 1;
    float: left;

}


.footer-con a {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
    font-size: 17px;
}

.footer-con a:hover {
    background: #f1f1f1;
    color: black;
}

.footer-con a.active {
    background-color: #4CAF50;
    color: white;
}


body {
    font-family: Verdana, sans-serif;
}

.mySlides {
    display: none;
}

img {
    vertical-align: middle;
}

/* Slideshow container */
```

```css
.slideshow-container {
    max-width: 1000px;
    position: relative;
    margin: auto;
}

/* Caption text */
.text {
    color: #f2f2f2;
    font-size: 15px;
    padding: 8px 12px;
    position: absolute;
    bottom: 8px;
    width: 100%;
    text-align: center;
}

/* Number text (1/3 etc) */
.numbertext {
    color: #f2f2f2;
    font-size: 12px;
    padding: 8px 12px;
    position: absolute;
    top: 0;
}

/* The dots/bullets/indicators */
.dot {
    height: 15px;
    width: 15px;
    margin: 0 2px;
    background-color: #bbb;
    border-radius: 50%;
    display: inline-block;
    transition: background-color 0.6s ease;
}

.active {
    background-color: #717171;
}
```

```css
/* Fading animation */
.fade {
    -webkit-animation-name: fade;
    -webkit-animation-duration: 1.5s;
    animation-name: fade;
    animation-duration: 1.5s;
}

@-webkit-keyframes fade {
    from {
        opacity: .4
    }

    to {
        opacity: 1
    }
}

@keyframes fade {
    from {
        opacity: .4
    }

    to {
        opacity: 1
    }
}

/* On smaller screens, decrease text size */
@media only screen and (max-width: 300px) {
    .text {
        font-size: 11px
    }
}

.audio {
    width: 40%;
    margin: 0 auto;

}
```

```
        h1 {
            padding-left: 10%;
        }

        p {
            padding: 5% 1% 1% 5%;
            text-align: justify;
        }
    </style>
</head>

<body>
    <h1>Ski Lodge Resort</h1>
    <br><br>
    <p style="padding:2%;background:rgba(43, 43, 155, 0.397);color:white;width:96%;justify-content: center;">We Offer
        the Finest Vacation Packages from room rentals and private igloos. Best Selection in Two of the World's Best
        Destination Vacation Resorts.

        Vail And Beaver Creek · Ski In Ski Out · Slopeside

        Amenities: Transportation, Ski & Snowboard Rental, Lift Tickets

        We Have the Largest selection of vacation rentals in the Vail Valley. Vail Village, .</p>


    <div style="height:10px;clear:both;width:100%;"> </div>

    <div style="display: block; padding-top:7%;" class="slideshow-container">

        <div class="mySlides fade">
            <div class="numbertext">1 / 4</div>
            <img src="ski.jpg" style="width:100%">
            <div class="text">Ski</div>
        </div>

        <div class="mySlides fade">
            <div class="numbertext">2 / 4</div>
            <img src="iglo.jpg" style="width:100%">
            <div class="text">Iglo</div>
        </div>
```

```
<div class="mySlides fade">
    <div class="numbertext">3 / 4</div>
    <img src="th.jpg" style="width:100%">
    <div class="text">Resort</div>
</div>
<div class="mySlides fade">
    <div class="numbertext">4 / 4</div>
    <img src="auro.jpg" style="width:100%">
    <div class="text">Aurora borealis</div>
</div>



</div>
<br>

<div style="text-align:center">
    <span class="dot"></span>
    <span class="dot"></span>
    <span class="dot"></span>
    <span class="dot"></span>
</div>

<script>
    var slideIndex = 0;
    showSlides();

    function showSlides() {
        var i;
        //elements are going into slides
        var slides = document.getElementsByClassName("mySlides");

        //these are the dots
        var dots = document.getElementsByClassName("dot");

        //logic
        //as many slides as there are make them hidden
        for (i = 0; i < 4; i++) {
            slides[i].style.display = "none";
        }
```

```
            slideIndex++;

            //
            if (slideIndex > 4) { slideIndex = 1 }

            for (i = 0; i < 3; i++) {
                dots[i].className = dots[i].className.replace(" active", "");
            }


            slides[slideIndex - 1].style.display = "block";

            dots[slideIndex - 1].className += " active";

            setTimeout(showSlides, 2000); // Change image every 2 seconds
        }
</script>
<div width="100%">
    <div class="audio">
        <audio controls>
            <source src="SM.mp3" type="audio/mpeg">
        </audio>
        <br><br>
        <iframe width="560" height="315" src="https://www.youtube.com/embed/wUA8NItC7VE" frameborder="0"
            allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture"
            allowfullscreen></iframe>
        <p>Experience the cold as the movie Frozen and discover enchanted places around.</p>
        <iframe width="560" height="315" src="https://www.youtube.com/embed/bwzLiQZDw2I" frameborder="0"
            allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture"
            allowfullscreen></iframe>
    </div>
</div>
<style>

</style>
<div class="footer">
    <div class="footer-con">
        <div class="item">
            <a href="#home">Home</a>
        </div>
        <div class="item">
```

```
                <a href="#about">About</a>
            </div>
            <div class="item">
                <a href="#Shop">Shop</a>
            </div>
            <div class="item">
                <a href="#Vacation Deals">Vacation Deals</a>
            </div>
            <div class="item">
                <a href="#Contact">Contact</a>
            </div>
        </div>
    </div>
</body>

</html>
```
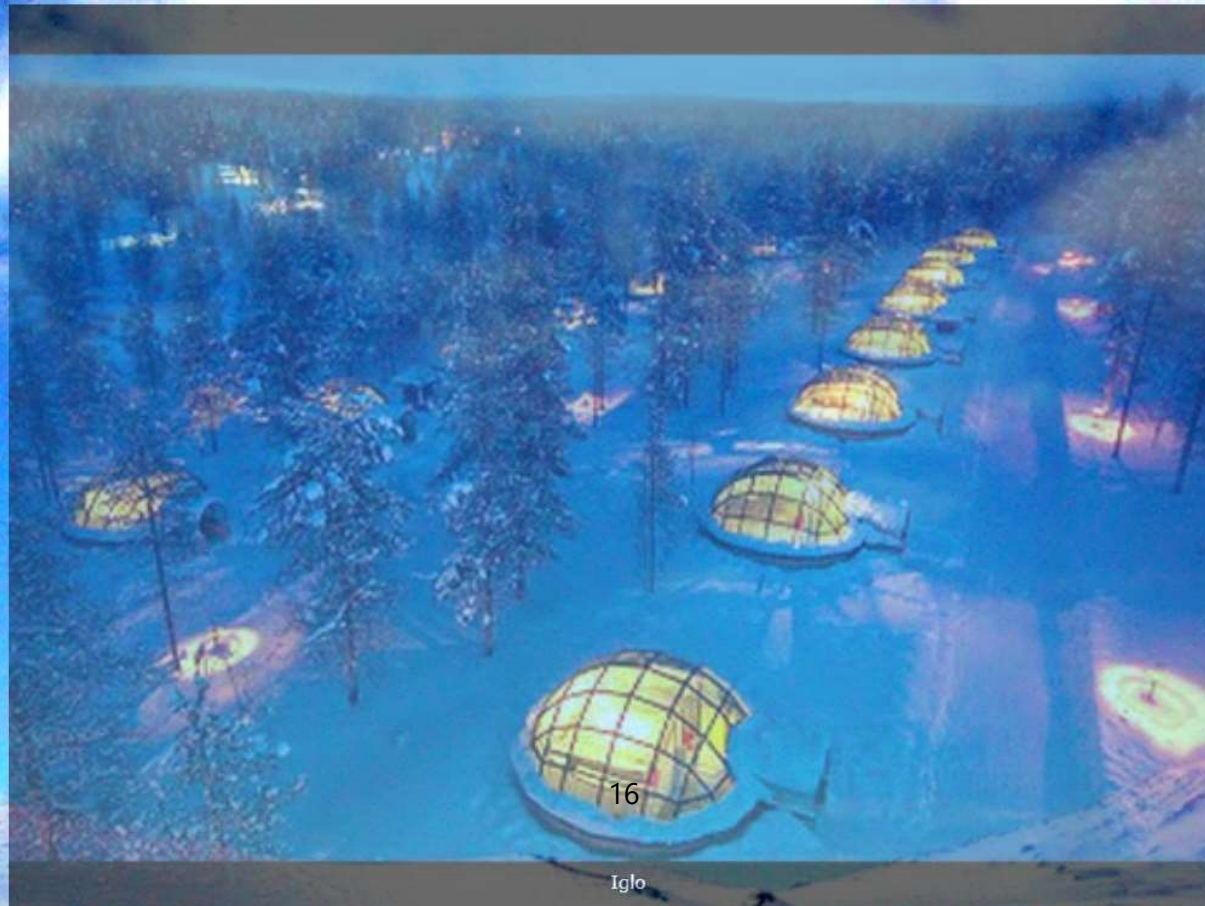
**Screenshot:**

# Ski Lodge Resort

We Offer the Finest Vacation Packages from room rentals and private igloos. Best Selection in Two of the World's Best Destination Vacation Resorts. Vail And Beaver Creek · Ski In Ski Out · Slopeside Amenities: Transportation, Ski & Snowboard Rental, Lift Tickets We Have the Largest selection of vacation rentals in the Vail Valley. Vail Village, .



Iglo

16

0:00 / 0:05

**Part 4**        **Optional - Case Study from Text**

Please perform Case Study number one in your text. Place the code and a snapshot of your output from the browser.