

# 2016 NEW CHANGED 70-480 Exam Questions RELEASED Today!

**[Exam Code]** 70-480

**Exam Name** Programming in HTML5 with JavaScript and CSS3

**Certification Provider** Microsoft

【Corresponding Certifications】 MCSD, MCSD: SharePoint

Applications, MCSD: Web Applications, MCSD: Windows Store Apps, Microsoft Specialist:

**Visual Studio** 

# 2016 NEW 70-480 Study Guides:

- 1.Implement and manipulate document structures and objects
- 2.Implement program flow
- 3.Access and secure data
- 4.Use CSS3 in applications

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# **QUESTION 61**

You implement an application by using HTML5 and JavaScript. You create a webpage that contains the following HTML:



```
<! DOCTYPE html>
<html>
<head>
 <link href="site.css" rel="stylesheet" type="text/css" />
 <script type="text/javascript" src="jquery.js"></script>
</head>
<body>
 <div id="container">
   <l
     First List Item
        Child List Item
      Second List Item
     Third List Item
     Fourth List Item
   Some interesting information that we need to display.
   More information that is important to this page.
 </div>
</body>
</html>
```

The application must place a border on only the first UL element that is contained in the DIV element.

You need to update the webpage.

What should you do?



C A Add the following SCRIPT element after the DIV element:

```
<script>
  $("div").each(function () {
    $("ul").each(function (index, domEle) {
        $(domEle).css("border", "lpx solid black");
    });
});
</script>
```

C B. Add the following SCRIPT element after the DIV element:

```
<script>
  $("div*container > ul").css("border", "lpx solid black");
</script>
```

C. Add the following SCRIPT element after the DIV element:

```
<script>
  $("ul:first-of-type").css("border", "lpx solid black");
</script>
```

C D. Add the following style to the site.css file:

```
.container > u1 {
    border: 1px solid black;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

#### **QUESTION 62**

You troubleshoot a webpage that contains the following HTML element:

<canvas id= "clickCanvas" width-"300"> height= "300">Your browser does not support the HTML5 canvas.

The following JavaScript code is included in a script tag in the HEAD section of the webpage: (Line numbers are included for reference only.)

You need to invoke the clickReporter() JavaScript function when a user clicks the mouse on the canvas HTML element.

What should you do?



```
01 var canvas;
02 var context;
03 window.onload = function initialize() {
04    canvas = document.getElementById('clickCanvas');
05
    context = canvas.getContext('2d');
06 drawBox();
07
08 }
09 function clickReporter(e) {
10
    alert('clicked');
11 }
12 function drawBox() {
   context.fillStyle = 'black';
13
14 context.strokeRect(20, 20, canvas.width - 20, canvas.height - 20);
15 }
```

A. Add the following attribute to the canvas HTML element:

```
clicked= "clickReporter()"
```

- B. Replace the code segment at line 06 with the following code segment:
  - drawBox.Click += clickReporter;
- C. Insert the following code segment at line 07:
  - canvas.onclick = clickReporter;

D. Insert the following code segment at line 07: canvas, click = clickReporter;

Answer: B

#### **QUESTION 63**

An HTML page contains no embedded JavaScript or CSS code.

The body of the page contains only the following line of code.

```
test
```

A CSS style sheet must be applied dynamically.

The style must visibly change the appearance of the paragraph on the page.

You need to apply a style the paragraph.

Which line of code should you use?

```
A. document.getElementById("test").style.border = "0";
B. document.getElementById("test").style.position = "static";
C. document.getElementById ("test").style.padding = "15px";
D. document.getElementById("test").style.top = "5px";
```

# Answer: A Explanation:

A: The border shorthand property sets all the border properties in one declaration.

The properties that can be set, are (in order): border-width, border-style, and border-color. It does not matter if one of the values above are missing, e.g. border:solid #ff0000; is allowed.

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#### **QUESTION 64**

Drag and Drop Question

You create the following JavaScript code:



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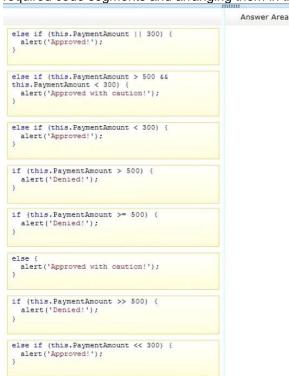
```
var myApplication = myApplication || {};
myApplication.LoanCalculator = function (displayControl, principle, term, rate) {
    this.Principle = principle;
    this.Rate = rate / 1200;
    this.PaymentAmount = 0;
    this.Payment = document.getElementById(displayControl);
};
myApplication.LoanCalculator.prototype = {
    CalculatePayment: function () {
        this.PaymentAmount = (this.Principle * this.Rate / (1 - (Math.pow(1/(1 + this.Rate), this.Term)))).toFixed(2);
        this.showPayment.innerHTML = '$' + this.PaymentAmount;
},
ShowCanWeAfford: function () {
    }
};
```

#### You must complete the ShowCanWeAfford() function:

- Display the message Denied! If the PaymentAmount variable is greater than 500.
- Display the message Approved! If the PaymentAmount variable is less than 300.
- Display the message Approved with caution! If the PaymentAmount variable is less than 500 and greater than 300.

You need to add statements to the ShowCanWeAfford() JavaScript function to meet the requirements.

Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)



Answer:



```
Answer Area
else if (this.PaymentAmount || 300) {
  alert('Approved!');
                                                       if (this.PaymentAmount > 500) {
                                                          alert('Denied!');
else if (this.PaymentAmount > 500 &&
this.PaymentAmount < 300) (
  alert ('Approved with caution!');
                                                       else if (this.PaymentAmount < 300) {
                                                         alert('Approved!');
else if (this.PaymentAmount < 300) {
 alert('Approved!');
                                                        else (
                                                          alert('Approved with caution!');
if (this.PaymentAmount > 500) {
 alert('Denied!');
if (this.PaymentAmount >= 500) {
 alert('Denied!');
else (
 alert('Approved with caution!');
if (this.PaymentAmount >> 500) {
 alert('Denied!');
else if (this.PaymentAmount << 300) {
  alert('Approved!');</pre>
```

#### **QUESTION 65**

Drag and Drop Question

You have a webpage that includes the following markup:

```
<!DOCTYPE html>
<html>
  <head>
    <script>
   </script>
  </head>
  <body onload="readXMLFile()">
    <div id="to"></div>
    <div id="from"></div>
    <div id="message"></div>
  </body>
</html>
```

An XML file named message.xml resides on a web server. The structure of the file is as follows:



You are developing a code-based solution to parse the contents of the XML file and display the information on the page.

The solution must work on both modern and older browsers.

You need to display the information from the XML file onto the page.

How should you create the JavaScript code? (Develop the solution by selecting the required code segments and arranging them in the correct order. You may not need all of the code segments.)

```
Answer Area
document.getElementById("to").innerHTML =
xmlDoc.getElementsByTagName("to")
[0].childNodes[0].nodeValue;
document.getElementById("from").innerHTML =
xmlDoc.getElementsByTagName("from")
[0].childNodes[0].nodeValue;
document.getElementById("message").innerHTML
xmlDoc.getElementsByTagName("body")
[0].childNodes[0].nodeValue;}
xmlhttp = new ActiveXObject
("Microsoft.XMLHTTP");}
else {
xmlhttp = new XMLHttpRequest();}
xmlhttp.open("GET", "message.xml", false);
if (window.XMLHttpRequest) {
xmlDoc = xmlhttp.responseXML;
function readXMLFile() {
xmlhttp.send();
```

Answer:

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# **QUESTION 66**

You are implementing an application by using HTML5 and JavaScript.

A web page contains the following HTML table.

The application must:

- Identify all rows in the table body that have a class attribute of selected
- Exclude the last selected row in the table

You need to implement the web page according to the requirements.

Which CSS selector should you use?

- A. tr:not(tr:last-child).selected < #dataTable
- B. #dataTable > tr.selected:not(tr:last-child)



- C. #dataTable tbody tr.selected:not(tr:last-child)
- D. #dataTable tr.selected:not(tr:last-child)

#### Answer: C

#### **QUESTION 67**

**Hotspot Question** 

You review a web form that contains the following markup and code:

```
<! DOCTYPE html>
<html>
  <head>
    <script type="text/javascript">
      function check1(currentTextBox) {
        if (currentTextBox.value === null || currentTextBox.value === '')
          currentTextBox.style.background = '#fffacd';
        else
          currentTextBox.style.background = '#ffffff';
      function check2() {
        var obj = document.getElementsByTagName('input');
        for (var i = 0; i < (obj.length - 1); i++) {
          obj[i].style.background = '#fffacd';
      1
    </script>
  </head>
  <body>
    <input type="text" id="text1" onfocus="check1(this)" onblur="check1(this)">
    <input type="text" id="text2" onfocus="check1(this)" onblur="check1(this)">
    <input type="button" value="next" onclick="check2()">
  </body>
</html>
```

You need to ascertain how the webpage responds when it loads and how it reacts to user actions

For each statement in the table, select Yes if the code segment above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of behavior	
c	C	Both text boxes are displayed with a yellow background when the page loads.	
c	c	The background color of both text boxes changes to yellow each time the text boxes receive the focus.	
c c		If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.	

#### Answer:

Yes	No	Description of behavior		
C	C	Both text boxes are displayed with a yellow background when the page loads.		
С	c	The background color of both text boxes changes to yellow each time the text boxes receive the focus.		
C	c	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.		



#### **QUESTION 68**

**Hotspot Question** 

You test a webpage that contains the following JavaScript code:

```
<script type="text/javascript">
  onerror = unhandled;
  function unhandled(msg, url, line) {
    alert('There has been an unhandled exception.');
  }
  function add() {
    alert($("\display).val() + $("\display).val());
  }
  function divide() {
    if (isNaN($("\display).val()) || isNaN($("\display).val())) {
      throw('One or more values are non-numeric');
    }
    alert($("\display).val() / $("\display).val());
  }
</script>
```

The webpage also contains the following markup:

```
Integer 1: <input type="text" id="int1" /><br />
Integer 2: <input type="text" id="int2" /><br />
<input type="button" name="add" value="Add" onclick="add();" />
<input type="button" name="divide" value="Divide" onclick="divide();" />
```

You need to ascertain how the webpage responds when the user enters characters and then clicks the add and divide buttons.

For each statement in the table, select Yes if the action causes the webpage to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of Behavior
c	C	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
c	c	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
с с		If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

#### Answer:

Yes	No	Description of Behavior
C	C	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
c	C	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
C	c	If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

# **QUESTION 69**

You develop an HTML5 web application.

The web application contains a form that allows users to enter only their month of birth.



The value that the users enter must be numbers between 1 and 12, inclusive. You need to implement the form element for the month of birth. Which element should you use?

```
A. <input type="time" options="month" />
B. <input types="submit" value="month" />
C. <input type="range" min="1" max="12" />
D. <input type="month" itemscope="numeric" />
```

# Answer: C **Explanation:**

# Example:

```
</head>
<body>
<input type="range" name="rangeInput" min="0" max="100"</pre>
onchange="updateTextInput(this.value);">
<input type="text" id="textInput" value="">
</body>
</html>
```

#### **QUESTION 70**

You are developing an HTML5 web application for an architectural company that displays architectural blueprints.

The application must:

- Display the blueprints at different zoom levels without loss of detail
- Print the blueprints without loss of detail
- Work from only one source file per blueprint

You need to ensure that blueprints display according to the requirements.

Which HTML5 element should you use?

- A. CANVAS
- B. SAMP
- C. SVG
- D. AREA

Answer: C

#### **QUESTION 71**

You develop an HTML5 application that allows users to upload files from their local computers. The user interface must remain responsive during the upload.

You need to implement the file upload functionality for the application.

Which two actions should you perform? (Each correct answer presents a complete solution. Choose two.)

- A. Use an HTML form with a file type INPUT element that targets a hidden IFRAME element.
- B. Use a file type INPUT element, and then use the Web Storage API to upload the file.
- C. Use a FormData object and upload the file by using XMLHttpRequest.
- D. Register the file protocol by using protocol handler registration API and then upload the file by using XMLHttpRequest.
- E. Use the FileSystem API to load the file, and then use the jQuery post method to upload the file to the server.

Answer: BD



#### **Explanation:**

```
B: Example (notice the web storage api upload.aspx):
```

```
<!DOCTYPE html>
<html>
<head>
<title>Upload Files using XMLHttpRequest - Minimal</title>
</head>
<body>
<form id="form1" enctype="multipart/form-data" method="post"</pre>
action="Upload.aspx">
<div class="row">
<label for="fileToUpload">Select a File to Upload</label><br />
<input type="file" name="fileToUpload" id="fileToUpload"</pre>
onchange="fileSelected();"/>
</div>
<div id="fileName"></div>
<div id="fileSize"></div>
<div id="fileType"></div>
<div class="row">
<input type="button" onclick="uploadFile()" value="Upload" />
</div>
<div id="progressNumber"></div>
</form>
</body>
</html>
```

- Because we're using XMLHttpRequest, the uploading is happening in the background. The page the user is on remains intact. Which is a nice feature to have if your business process can work with it.
- The XMLHttpRequest object has gotten a facelift in the Html5 specifications.
   Specifically the XMLHttpRequest Level 2 specification (currently the latest version) that has included the following new features:

Handling of byte streams such as File, Blob and FormData objects for uploading and downloading

Progress events during uploading and downloading

Cross-origin requests

Allow making anonymous request - that is not send HTTP Referer

The ability to set a Timeout for the Request

## **QUESTION 72**

You are developing a web application that can function when users are not connected to the Internet.

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You need to check the Internet connectivity status of a user's browser.

Which method should you use?



```
function checkConnection()
        if (navigator.isOnline) {
CB
      function checkConnection()
        if (browser.isOnline) {
        else
        {
        }
      function checkConnection()
        if (browser.online) {
        else
        1
      function checkConnection()
        if (navigator.online) {
        }
        else
        1
        }
      1
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

# Answer: D Explanation:

navigator.onLine is a property that maintains a true/false value (true for online, false for offline). This property is updated whenever the user switches into "Offline Mode" by selecting the corresponding menu item

#### **QUESTION 73**

You are creating a page that contains detailed employee information for a company portal. The page uses a jQuery library.

The page contains a hidden button named btnEdit that is defined by the following code.



<button id="btnEdit" style="display: none;n>Edit

The button is not displayed by default.

The button must be displayed only if the user is logged on.

You need to add code to the document.ready() function to meet the requirements for the button. Which line of code should you use?

```
A. $ (`#btnEdit').appear ();
B. $ (`#btnEdit').visible = true;
C. $ (`#btnEdit').show();
D. $ (`#btnEdit').Visible();
```

# Answer: C Explanation:

With no parameters, the .show() method is the simplest way to display an element:

```
$( ".target" ).show();
```

#### **QUESTION 74**

**Hotspot Question** 

You troubleshoot a webpage that includes the following code segment:

```
var customer = function () {
  var name = "Contoso";
  return {
    getName: function () {
      return name;
    },
    setName: function (newName) {
      name = newName;
    }
  };
}();
alert(customer.name);
```

You need to evaluate the value of the variable named customer.name.

For each statement in the table, select Yes if the code segment above causes the variable to evaluate as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of customer.name variable
C	C	An error will be thrown
C	C	Contoso
c	C	undefined
c		null
c	· C	false

Answer:



No	Description of customer.name variable
C	An error will be thrown
C	Contoso
C	undefined
C	null
C	false
	C C

# **QUESTION 75**

**Hotspot Question** 

You develop an HTML5 webpage that contains the following markup and code:

```
<form>
    <label for='city'>City:</label>
    <select id='city'>
        <option>Please Choose</option>
        <option>London</option>
        <option>Paris</option>
        <option>Paris</option>
        <input type='button' id='submit' value='Submit'
        onclick="madeSelection(document.getElementById('city'), 'Please Select A City')" />
</form>
```

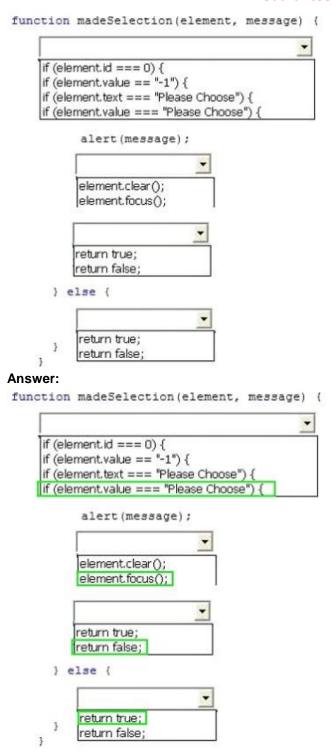
# You have the following requirements:

- Display a message if users select the first OPTION element, and then submit the form.
- Do not display an alert message if users select any other OPTION element, and then submit the form.

You need to implement the madeSelection() function.

How should you complete the relevant code? (To answer, select the appropriate code segment from each drop-down list in the answer area.)





#### **QUESTION 76**

You are developing a blog web page that is being optimized for accessibility. The page includes the following HTML.

The heading tags represent a blog post title, a blog post subtitle, and the author's name. You need to ensure that the three headings are treated as a unit but retain their individual formatting.

Which tags should you use to wrap the H1, H2, and H3 elements?



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```
<hbody>
<h1>Blog Post Title</h1>
<h2>Subtitle</h2>
<h3>Authors Byline</h3>
</body>

A. <group> </group>
B. <header> </header>
C. <hgroup> </hgroup>
D. <headings> </headings>
```

#### Answer: C

#### **QUESTION 77**

**Hotspot Question** 

You develop a webpage that consumes a web service.

The web service provides currency exchange rates.

Visitors enter the currency type on the webpage and press the Submit button.

The web service returns the current exchange rate.

You need to ensure that the webpage always displays the most current information.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
<script type="text/javascript">
  var currencyRate;
  function getExchangeRate() {
      ajax
      json
     cache:
            false
       type: 'GET',
       url: "CurrencyConverter.asmx/GetExchangeRate",
      data: { 'currencyType': getCurrencyType() },
      dataType: 'json',
      success: function (result) {
        currencyRate = result;
    });
  function getCurrencyType() {
    return "USD";
</script>
```

Answer:



```
<script type="text/javascript">
  var currencyRate;
  function getExchangeRate() {
              + ((
      ajax
      json
     cache:
            true
            false
       type: 'GET',
      url: "CurrencyConverter.asmx/GetExchangeRate",
      data: { 'currencyType': getCurrencyType() },
      dataType: 'json',
       success: function (result) {
         currencyRate = result;
       }
     1);
  function getCurrencyType() {
    return "USD";
</script>
```

#### **QUESTION 78**

**Hotspot Question** 

You develop a webpage.

The layout of the webpage must resemble the following image:



You need to ensure that the page renders properly.

How should you complete the relevant CSS styles? (To answer, select the appropriate option from each drop-down list in the answer area.)



```
<! DOCTYPE html>
  <head>
     <style>
                                       ; color: red;)
       #span1 {
                z-index: 1
                float: left
                position: relative
                position: absolute
                                       -; top: 200px;
       #span2 {
                 z-index: 2
                float: right
                position: relative
                position: absolute
        left: -100px; height: 130px; width: 130px;
        color: green;}
     </style>
   </head>
   <body>
     Start of main contents.
       <span id=span1> Start of span1 contents.
       <span id=span2> Span2 contents.</span>
       End of span1 contents.</span>
      End of main contents.
     </body>
</html>
Answer:
<! DOCTYPE html>
   <head>
     <style>
                                       ; color: red;)
       #span1 {
                z-index: 1
                float: left
                position: relative
                position: absolute

→ ; top: 200px;

       #span2 {
                 z-index: 2
                 float: right
                 position: relative
                 position: absolute
        left: -100px; height: 130px; width: 130px;
        color: green;}
     </style>
   </head>
   <body>
     Start of main contents.
       <span id=span1> Start of span1 contents.
       <span id=span2> Span2 contents.</span>
       End of span1 contents.</span>
       End of main contents.
     </body>
</html>
```

# **QUESTION 79**

**Hotspot Question** 

A company has an XML file named products.xml on a web server.

The file contains a list of the products that the company sells.

You need to display the contents of the products.xml file in a DIV element named Output.

How should you complete the relevant code? (To answer, select the appropriate option from each



```
drop-down list in the answer area.)
<html>
  <head>
    <script lang="JavaScript">
     function DataHandler()
         var webReq = new XMLHttpRequest; {
         if (webReq.
                                         false
                     abort
                                         true
                     open
                     status
                                         3
                     readyState
            if (webReq.status ==
                                  100
                                  200
                                  400
                                  500
              document.getElementById("Output").innerHTML =
               (webReq.responseText); } } }
          var webReq = getXMLHttpRequest();
            if (webReg != null) {
              webReq.open
              ("GET", "http://localhost/products.xml", true);
              webReq.onreadystatechange = DataHandler;
              webReq.send();}
     </script>
   </head>
   <body>
     <div id="Output"> </div>
   </body>
 </html>
Answer:
```



```
<html>
  <head>
    <script lang="JavaScript">
     function DataHandler()
        var webReq = new XMLHttpRequest; {
        if (webReg.
                                        false
                    abort
                                        true
                    open
                    status
                                        3
                    readyState
           if (webReq.status ==
                                 100
                                 200
                                 400
                                 500
             document.getElementById("Output").innerHTML =
               (webReq.responseText); } } }
         var webReq = getXMLHttpRequest();
           if (webReg != null) {
             webReq.open
             ("GET", "http://localhost/products.xml", true);
             webReq.onreadystatechange = DataHandler;
             webReq.send();}
     </script>
   </head>
  <body>
    <div id="Output"> </div>
   </body>
</html>
```

# **QUESTION 80**

You develop a webpage that allows a user to download a 3PEG image and convert it to a PNG file

You need to implement the code to download the contents of the JPEG image with no additional decoding.

Which JavaScript function should you use?

- A. readAsBinaryString()
- B. readAsArrayBuffer()
- C. readAsDataURL()
- D. readAsText()

Answer: B