

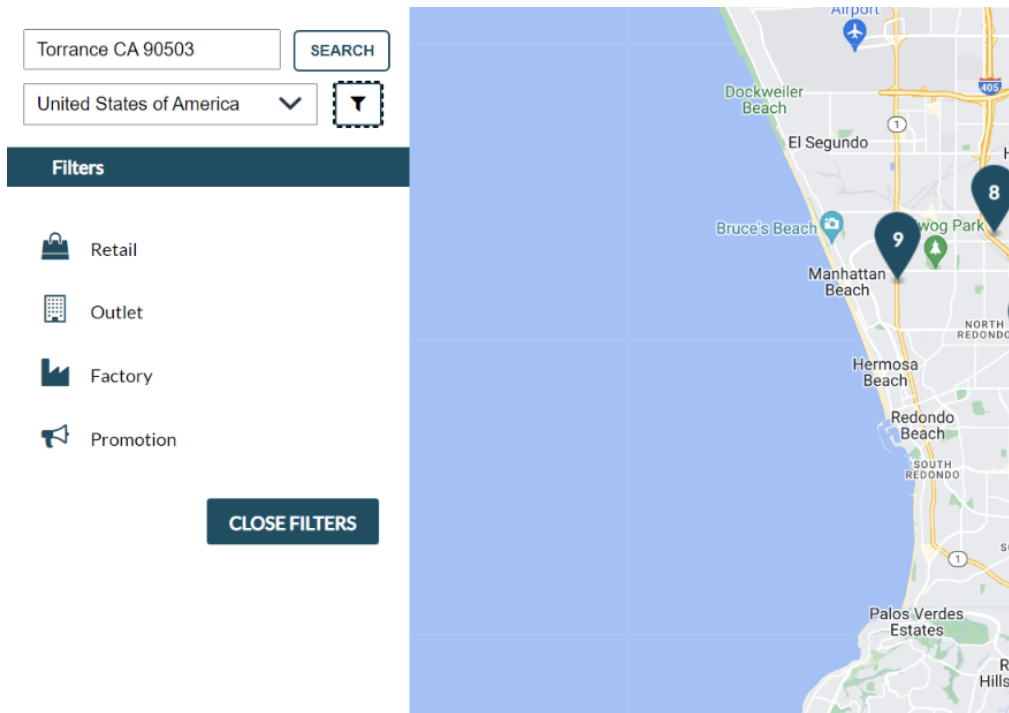
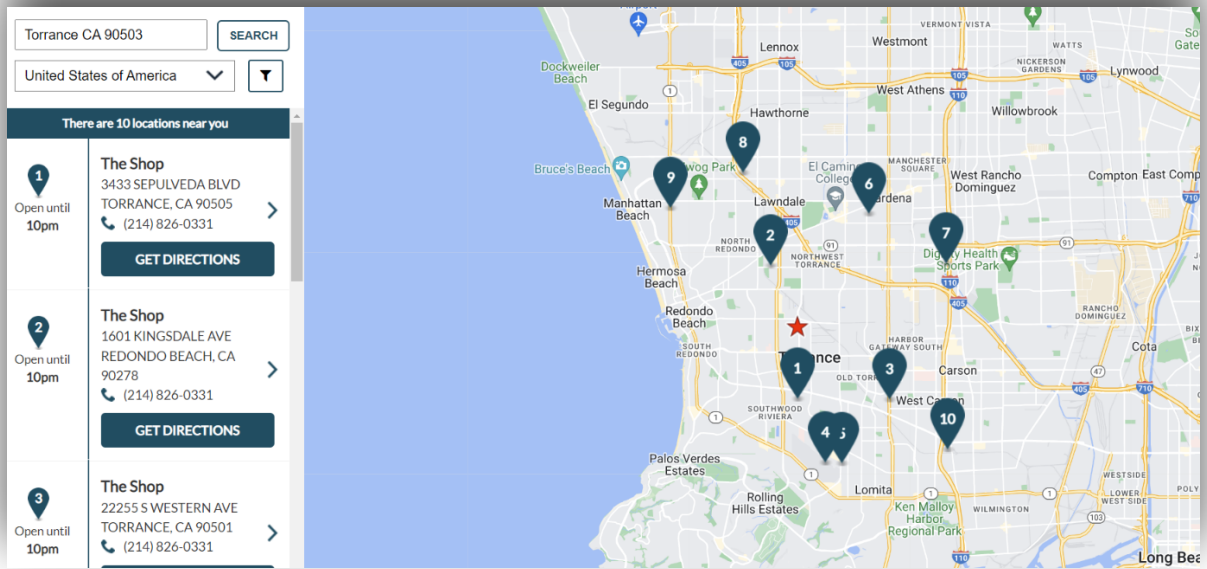
Web Implementation Architect Project Assessment

Introduction to Web Implementation Architect Assessment

Based on our customer's requirements, SOCi develops Locators and Local Pages based on the given design. This role requires excellent HTML, JS, Web Development skills to develop not only a working webpage, which matches design, but also follows unique JS rules based on the customer's needs. You will be required to work with the SOCi TAM to develop and execute on project requirements taking into account timelines and quality assurance to meet all given projects requirements.

The following two assessments will help us understand your level of proficiency and quality of the code for HTML / CSS and JS.

- **Design to HTML conversion:** Based on the design pasted below, please create HTML page which will match the mockup as close as possible:
 - a. For the map, use a static image of any MAP. Use Google maps to screen grab any geographical area. Ignore the icons on the map, they do not need to be part of the completed design
 - b. The list with addresses on the left should include 10 locations, same address can be used, the list should have scrolling option
 - c. The search above the list does not need any functionality, however it needs to match the design
 - d. When someone clicks on the filter icon, we would like to see filter presented on the mock up
 - e. For any images seen on the design, pls use zipped document
 - f. Do not use any tools that generate HTML, the HTML/CSS has to be hand-coded by you
 - g. Time limit: 45 min
 - h. The design does not need to be perfect, we want to understand how far it can be taken within 45 min.



MOBILE VIEW:

SEARCH

▼

List View

Map View

There are 10 locations near you

1

Open until 10pm

The Shop

3433 SEPULVEDA BLVD
TORRANCE, CA 90505

(214) 826-0331

GET DIRECTIONS

2

Open until 10pm

The Shop

1601 KINGS DALE AVE
REDONDO BEACH, CA 90278

(214) 826-0331

GET DIRECTIONS

3

Open until 10pm

The Shop

22255 S WESTERN AVE
TORRANCE, CA 90501

(214) 826-0331

GET DIRECTIONS

2. JavaScript assessment: Please answer the following questions

- In the following code snippet can you please predict the output and / or explain the error?

```
<!DOCTYPE html>
<html>
<body>
<h2> <> Sample: TEST MY JS</> </h2>

<script>
var studentName = "Margaret S "; // String 'Margaret SE' stored in studentName
var studentName; // variable is decalredd again
document.getElementById("studentName").innerHTML =
"Redeclaring the variable will not lose the value!.<br>"
+"Here the value in studentName is "+ studentName;

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

ANSWER:

This will only display the content of h2 element, Using javascript but haven't implemented it inside the body, there's is no element id present inside the body, if you want to display the declaration in the javascript you have to write an html element with element id of studentName.

- **In the following code snippet can you please predict the output and / or explain the error?**

```
<!DOCTYPE html>
<html>
<body>
<h2> < Sample: TEST MY JS</> </h2>
<p style='text-decoration:underline'>Example Const Variable </p>
<p id="display"></p>
<script>
const first_num;
first_num =1000;

document.getElementById("display").innerHTML = "First Number:" + first_num;
</script>
</body>
</html>
```

ANSWER:

This will display the content of h2 and “Example Const Variable”, the execution in the javascript will be terminated since it assigned a value of first_num after the declaration of the variable. Using constant variable it cannot be reassigned a new value.

- **What browsers are you using for debugging and how ?**

Possible Answers:

Chrome where I can use the inspect element wherein you can see the developer mode in the browser, here you can use the console for debugging javascript, network for api integration, designing temporary style, and etc, you could also install a extension if need something for the development

- What's the difference between a variable that is: null, undefined or undeclared?
How would you go about checking for any of these states?

ANSWER:

null is a declared variable that is no value, undefined is a declared variable but doesn't have an assigned value, undeclared is a variable that is not yet created.

Question: For this code block:

1. Describe the basic functionality of this function?
2. Why is the preventDefault() function necessary here?

```
[?] $("#filter_button_up").on('keydown', function(e) {  
  if (e.keyCode == 9 || e.which == 9){  
    e.preventDefault();  
    $("#newField").focus();  
  }  
});  
[?]
```

Answer:

1. preventDefault means cancelling the event created

Question: What is the purpose of this setTimeout function:

```
[?]<input name="addressline" id="inputaddress" placeholder="Enter street address, city, state or  
zip code" />
```

```
<select id="country" name="country" class="search-box">  
  <option value="CA">CA</option>  
  <option value="US">US</option>  
  <option value="PR">Puerto Rico</option>  
</select>
```

```

<script>
setTimeout(function(){
    var searchCountry = document.getElementById('country')
    for (var i = searchCountry.length - 1; i >= 0; i--) {
        if (countryOptions[i].value === 'US') {
            countryOptions[i].textContent = 'USA'
        }
    }
    $('#inputaddress').focus();
}, 800);

</script>

```

?

Answer:

It will wait for 800 milliseconds before executing the task inside the setTimeout

Question: How would you make the following form ADA compliant?

```

? <form id="contact">
    <input type="text" name="name" placeholder="Enter name">
    <select name="state">
        <option>CA</option>
        <option>IL</option>
        <option>TX</option>
    </select>
    <a href="javascript:void(0);">Submit</a>
</form>

```

?

Answers:

1. Add validation if the input name is incorrect. Not using acronym much better if its exact word

Question: what html code will be generated by the following block of code?

```

? $(function(){
    const featuresContainer = document.createElement("li");
    featuresContainer.classList.add('ProductCore-featItem');
    ...

    const leftContainer = document.createElement("span");

```

```
...  
  
const rightContainer = document.createElement("span");  
...  
  
featuresContainer.appendChild(leftContainer);  
  
featuresContainer.appendChild(rightContainer);  
...  
  
})
```



Answer: it will generate a list element with class name of productCore-featItem and creating a span element and append a span in the left and right side of the list element