**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<link rel="stylesheet" href="style.css">

<title>Employee Allocation</title>

</head>

<body>

<div class="container">

<label>User</label>

<select id="users">

<option>Select</option>

<option>System Administrator</option>

<option>Location Manager</option>

<option>Supervisor</option>

<option>Employee</option>

</select>

<p>Subordinate roles:</p>

<p2 id="subordinates"></p2>

</div>

<script src="script.js"></script>

</body>

</html>

**JAVASCRIPT**

var objRole1 = {

  Id: 1,

  Name: 'System Administrator',

  Parent: 0

};

var objRole2 = {

  Id: 2,

  Name: 'Location Manager',

  Parent: 1

};

var objRole3 = {

  Id: 3,

  Name: 'Supervisor',

  Parent: 2

};

var objRole4 = {

  Id: 4,

  Name: 'Employee',

  Parent: 3

};

//Array with objects

const roles = [objRole1, objRole2, objRole3, objRole4];

//Button Event

var user = document.getElementById("users");

user.addEventListener("change", function() {

  var result = user.options[user.selectedIndex].value;

//If statement to separate results for roles with no subordinates

  if (result == "Select") {

    document.getElementById("subordinates").innerHTML = "";

  } else if (result === "Employee") {

    document.getElementById("subordinates").innerHTML = "There is no subordinate for this role";

  } else {

  //Find the parentID from Element

    var parent = roles.find(*obj* => obj.Name == result);

    var parentId = parent.Id;

  //Display subordinates

    var subordinates =[];

    for(i=0 ; i < roles.length ; i++) {

      while (roles[i].Parent === parentId) {

        subordinates.push(roles[i].Name);

        var subordinatesAsString = subordinates.join(', ');

        parentId = roles[i].Id;

        document.getElementById("subordinates").innerHTML = subordinatesAsString;

      }

    }

  };

});

**CSS**

/\* Global \*/

html{

height: 100%;

width: 100%;

}

body{

width: 100%;

height: 100%;

background-color: grey;

display: flex;

flex-direction: row;

align-items: center;

justify-content: center;

margin: 0px;

}

.container {

width: 400px;

height: 170px;

display: flex;

padding: 20px;

flex-direction: column;

justify-content: flex-start;

align-items: center;

background-color: lightgrey;

border: none;

border-radius: 5px;

box-shadow: 2px 2px rgb(32, 30, 30);

}

.container label {

width: 350px;

margin-top: 10px;

}

.container select {

width: 355px;

height: 35px;

margin: 5px;

}

.container p {

width: 350px;

}

.container p2 {

width: 355px;

height: 60px;

margin: 5px;

text-align: center;

line-height:35px;

background-color: rgb(235, 240, 167);

border-radius: 5px;

}