```javascript
window.onload=current_date_function;
var parsedrecord ;
var xhr = new XMLHttpRequest();
function current_date_function()
{

    var current_date = new Date();
    var formatte = current_date.getDate() + "/" + (current_date.getMonth() + 1) + "/" + c
        +"     "+ current_date.getHours() + ":" + current_date.get
    
    document.getElementById("current_Date").innerHTML = formatte;
}



function adddata() {
        document.getElementById("clientname").addEventListener("keyup", function(){SearchLna
        xhr.onreadystatechange = function() {
            if (xhr.readyState == 4 && xhr.status == 200) {
                parsedrecord = JSON.parse(xhr.responseText);
                
            }
        };
        xhr.open("GET","rentalclients.json", true);
        xhr.send();
}

var table;
var obj ;
var list =[];
function SearchLname(searchByLname){
        document.getElementById("searchvalue").innerHTML = "Search by last name<br>";
        var searchName;
        //var exist= "false";
        var i=0;
        var z=0;
        table="<label>Select the last Name </label>";
        // var j=0;
        for(i=0; i<parsedrecord.length; i++)
        {
            obj = parsedrecord[i];
            searchName=obj.last_name;
            
            if (searchName && searchName.startsWith(searchByLname.toUpperCase()))
            {
                list.push(obj);
                // table+="<select  id =Users"+z+" multiple name=Users"+z+" onclick=setForm
                // table+="<option value="+list[z].first_name+" " +list[z].first_name+">" +
                // z+=1;
            }
            

        }

        // table+="<select  id =Users"+z+" multiple name=Users"+z+" onclick=setFormToEdit("
    for(z=0; z<list.length; z++){

            table+="<option  value="+z+">" + list[z].first_name+" " +list[z].last_name+
    }
}


    /* if (exist=="true"){*/
        document.getElementById("searchvalue").innerHTML=table;

}
/*}else{
document.querySelector('input[name = "gender"]:checked'}*/

// if (document.getElementById('input[id = "Select"]:checked)){
    // setFormToEdit();


function setFormToEdit(ind) {

    document.getElementById("rentVehicle").disabled=false;
    document.getElementById("options").disabled=false;
    document.getElementById("quantity").disabled=false;
    document.getElementById("fvbutton").disabled=false;
    document.getElementById("option1").disabled=false;
    document.getElementById("option2").disabled=false;
    document.getElementById("option3").disabled=false;
    document.getElementById("firstname").disabled=false;
    document.getElementById("lastname").disabled=false;
    document.getElementById("address").disabled=false;
    document.getElementById("email").disabled=false;
    document.getElementById("prov").disabled=false;
    document.getElementById("phone").disabled=false;
    getClient(ind);
}

    function getClient(ind){
        var y = list[ind];


        document.getElementById("lastname").value =  y.last_name;
        document.getElementById("firstname").value =  y.first_name;
        document.getElementById("phone").value =  y.phone;
        document.getElementById("address").value =  y.address;

        document.getElementById("email").value =  y.email;

        document.getElementById("prov").value =  y.state_prov;


    }
//  var select = document.getElementById('language');
//  var value = select.options[select.selectedIndex].value;
    function calculation(){
        var total =0;
        var FinalOutPut;
        //  var cal;
        var type =  document.getElementById('rentVehicle').value;
        var days = document.getElementById("quantity").value;
        var option2=parseInt(document.getElementById('option2').value) ;
        var option1= parseInt(document.getElementById('option1').value);
        var option3 = parseInt(document.getElementById('option3').value);
        FinalOutPut ="<table id=final >";
        FinalOutPut += "<td>"+document.getElementById("firstname").value + " "+document.
        FinalOutPut += "<td>"+document.getElementById("phone").value+"</td></tr>";
        FinalOutPut +="<td>"+document.getElementById("address").value+"</td></tr>";
        FinalOutPut += "<td>"+document.getElementById("email").value+"</td></tr>";
        FinalOutPut += "<td>"+document.getElementById("prov").value+"</td></tr>";
        FinalOutPut +="<td>"+document.getElementById("quantity").value+" day</td></tr>"
        FinalOutPut += "<td>"+document.getElementById("rentVehicle").options[document.ge

        total += days*type;

        if (document.getElementById('option2').checked){
            total+= option2;


        FinalOutPut +="<tr><td> Extra GPS $10</td></tr>";
        }
        if(document.getElementById('option1').checked) {

            var valueOption = days*option1;
            total += valueOption;
            FinalOutPut +="<tr><td> Extra  Roof Rack or Bicycle Rack $10 per day</td></tr>
        }if(document.getElementById('option3').checked){
            var valueOption = days*option3;
            total += valueOption;
            FinalOutPut +="<tr><td> Free child seat For free </td></tr>";
        }

        FinalOutPut +="<tr><td> Your total cost is $"+total+"</td></tr></table>";
```

CONFIGURE

Metrics

There are 10 functions in this file.

Function with the largest signature take 1 arguments, while the median is 0.

Largest function has 29 statements in it, while the median is 5.5.

The most complex function has a cyclomatic complexity value of 9 while the median is 1.

Two warnings

9 Misleading line break before '+'; readers may interpret this as an expression boundary.

142 'valueOption' is already defined.

Five unused variables

16 adddata
76 setFormToEdit
111 calculation
165 pictures
180 setSearchVisible

```
149
150        // var options =  document.getElementById('options').value;
151        // document.getElementById('fruitAlmonds').checked
152        // if (options==10){
153        //     var valueChoice = days*type;
154        //     total= valueChoice +options;
155        // }else{
156        //     var valueChoice = days*type;
157        //     var valueOption = days*options;
158        //     total = valueChoice +valueOption;
159        // }
160
161
162        document.getElementById("result").innerHTML=FinalOutPut;
163
164    }
165    function pictures(){
166        var choosenPic = document.getElementById("rentVehicle").options[document.getEl
167        if (choosenPic && choosenPic.startsWith("compact") ){
168         document.getElementById("carPic").style.backgroundImage= "url(pic/compact.jpg
169        }
170        if (choosenPic && choosenPic.startsWith("Mid-size") ){
171            document.getElementById("carPic").style.backgroundImage= "url(pic/mid.jpg)"
172        }
173        if (choosenPic && choosenPic.startsWith("Luxury") ){
174            document.getElementById("carPic").style.backgroundImage= "url(pic/loxury.jp
175        }
176        if (choosenPic && choosenPic.startsWith("Van") ){
177            document.getElementById("carPic").style.backgroundImage= "url(pic/Truck.jpg
178        }
179    }
180    function setSearchVisible(){
181        document.getElementById("searchvalue").disabled=false;
182    }
183
```