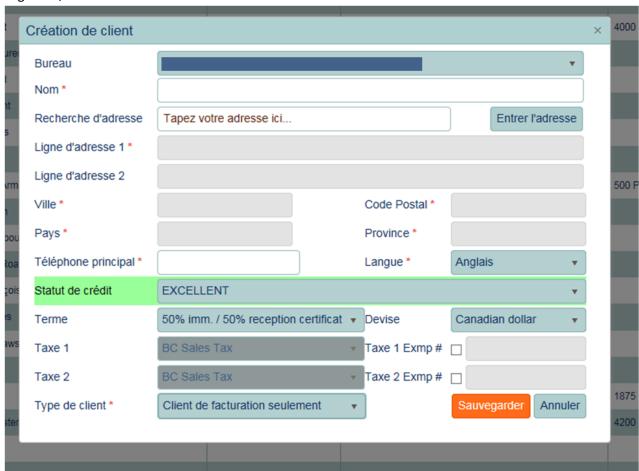
This is the part of most recent ERP web application for the client.

The request was to implement the creation of new customer and ability to maintenant existing one. To implement this requirement for front end development were used Telerik Kendo UI, Java Script, JQuery, AngularJS, HTML5 and CSS.



Pieces of the view cshtml which served this window:

```
<div class="form-group">
    <input id="CustomerName" name="CustomerName" class="K-input k-textbox" ng-class="{'has-error': submitted, 'no-error': CreateCustomerForm.CustomerName.$valid}"</pre>
         type="text" maxlength="60" ng-model="Customer.Name" style="width:520px; min-width:520px;" required />
  </div>
<span>{{Localization.CreditStatus}}</span>
<select kendo-drop-down-list</pre>
                k-data-text-field="'Description'"
                k-data-value-field="'Id'"
                k-data-source="CreditStatus"
                ng-model="Customer.CreditStatusId"
                ng-change="ChangeCreditStatusColor()"
                style="width: 100%;"
                id="CreditStatusId"></select>
```

CSS using for mandatory (.required) and validation field on Submit button click:

```
\neg.form-group {
        margin-bottom: 0px;
     .has-error {
        border: 1px solid #ff0000;
    .no-error {
     border: 1px solid #85b1b1;
   .required:after {
        font-weight: bold;
        color: #e32;
content: " *";
        display: inline;
     .unableAddress.k-input {
         border-color: lightgray;
         background-color: #e3e3e3;
        color: #595959;
         .unableAddress.k-input:hover {
             border-color: lightgray;
             background-color: #e3e3e3;
             color: #595959;
         }
   div .overlay {
        position: absolute;
         top: 0;
        left: 0;
        width: 100%;
        height: 100%;
         z-index: 10999;
     }
     div .outerclass {
        position: relative;
     }
```

The piece of controller.js which feed the dropdown menus:

```
$scope.ClientTypes = {
             transport: {
                  read: {
                      url: baseUrl + "api/Client/GetClientTypes",
             }
         };
         $scope.CreditStatuses = [];
         $scope.CreditStatus = {
             transport: {
                  read: {
                      url: baseUrl + "api/CreditStatus/GetAll",
             },
             schema: {
                  data: function (data) {
                      $scope.CreditStatuses = data;
                       return data;
                  }
         };
         $scope.ClientTax = {
             transport: {
                  read: {
                      url: baseUrl + "api/Client/GetTaxList",
         }
"Save"
     $scope.SaveClient = function () {
         if ($scope.IsDirty === true) {
              if ($scope.ClientIsValid()) {
                   $.ajax({
                       type: "POST",
                       url: baseUrl + "api/Client/Save",
                       dataType: "json",
                       data: $scope.Client,
                       async: false,
                       success: function (response) {
                            $.extend($scope.Client, response.data);
                            $scope.IsDirty = false;
                  });
              }
              else {
                   return $scope.Localization.LeaveWithoutSaving;
         }
     }
Initialization
      $scope.init = function (values, ressourceType) {
          $.extend($scope, values);
          localizationService.getForType(ressourceType).then(function (data) {
             $scope.Localization = data;

$scope.Customer.CurrencyId = "CAD";

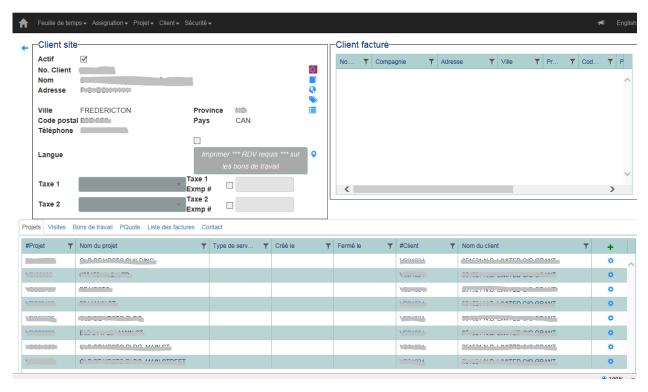
$("#CustomerPhoneNumber").kendoMaskedTextBox({

mask: "999 000-0000"
             });
             $('#CustomerOfficeId').kendoDropDownList();
$('#CustomerLanguageId').kendoDropDownList();
$('[data-toggle="tooltip"]').tooltip();
                 $('#CustomerAddrLine2').val(selectedAddess.Line2).trigger('change');
                  $('#CustomerCity').val(selectedAddess.City).trigger('change');
                  $('#CustomerProvince').val(selectedAddess.Province).trigger('change');
                  $('#CustomerPostalCode').val(selectedAddess.PostalCode).trigger('change');
                  $('#CustomerCountry').val(selectedAddess.CountryIso3).trigger('change');
                  $scope.IsAddressValidate = true;
             });
     };
```

Creation of new table on the fly to accommodate the results of searching the address serving by third party Web Api (Canada Post)

```
DisplayResults: function (response) {
    // Test for an error
    if (response.Items.length == 1 && typeof (response.Items[0].Error) != "undefined") {
        // Show the error message
        alert(response.Items[0].Description);
    }
    else {
        // Check if there were any items found
        if (response.Items.length == 0)
           alert("Sorry, there were no results");
            if (document.getElementById('tblAddressesContainer') != null) {
                var el = document.getElementById('tblAddressesContainer');
                el.parentNode.removeChild(el);
            var div = document.createElement("div");
            div.id = 'tblAddressesContainer';
            div.style.maxHeight = '250px';
            div.style.overflowY = "auto";
            div.style.overflowX = "hidden";
            div.style.marginBottom = "0px";
            div.className = 'table table-hover';
                                                                                             I
            var tbl = document.createElement("table");
            tbl.id = 'tblAddresses';
            tbl.className = 'table table-hover';
            tbl.style.backgroundColor = '#f2f2f2';
            tbl.style.border = '1px solid';
            tbl.style.borderColor = '#85b1b1';
            tbl.style.margin = '0px';
            var row = tbl.insertRow(-1);
            for (var i = 0; i < response.Items.length; i++) {
               row = tbl.insertRow(-1);
               var cell = row.insertCell(-1);
               cell.innerHTML = response.Items[i].Text + (response.Items[i].Description.lengt
               cell.id = response.Items[i].Id;
               cell.ch = response.Items[i].Next;
                cell.maxResults = parseInt(response.Items[i].Description);
                cell.onclick = function () {
                                                                                 (this); };
            $(div).append(tbl);
            var child = $( Address._options.SelectCountrySelector)[0];
            child.parentNode.insertBefore(div, child);
```

## Modifying existing customer



## cshtml view

```
@Html.Partial("ClientSiteUserControl", (object)clientSiteModel)
             </div>
          </fieldset>
    <div>...</div>
</div>
<div id="ClientSiteContainer">
    <div class="panel panel-default">
       role="presentation" class="active">
             <a id="project" ng-click="ChangeSelectedPane($event, 'Project')">{{Localization.TabProject}}</a>
          </div>
    <div kendo-grid="projectGrid" id="projectGrid" options="projectGridOptions" style="min-height:200px;"></div>
       </div>
    </div>
```

## Controller.js

```
$scope.projectGridOptions = {
      dataSource: {
           type: "odata",
           dataType: "json",
           serverFiltering: true,
           serverPaging: true,
           serverSorting: true,
           pageSize: 50,
           transport: {
                read: {
                     url: baseUrl + "api/Project/GetByClientId",
                     dataType: "json",
                parameterMap: function (options, operation) {
                     if (operation == "read") {
                           var paramMap = kendo.data.transports.odata.parameterMap(options);
                          delete paramMap.$format;
                          paramMap.clientId = $scope.ClientId;
                          return paramMap;
                     }
                }
           },
            schema: {
                data: function (data) {
                     return data.Items;
                },
columns: [
           field: "Id", type: "string", title: "{\{Localization.ColumnProjectId\}}", width: 60, template: '<a href="' + baseUrl + "Project/Index\\#/project/#=Id#" + '">#=Id#</a>' '>#=Id#</a>'
           field: "Description", type: "string", title: "{{Localization.ColumnProjectDescription}}", width: 150
       },
           field: "ServiceTypeId", type: "string", values: $scope.ServiceTypes(),
           title: "{{Localization.ColumnProjectServiceType}}", width: 70
           field: "CreatedOn", type: "date", template: '#= CreatedOn == null ? "" : kendo.toString(new Date(CreatedOn), "yyyy-FM-dd" ) #',
           title: "{{Localization.ColumnCreatedOn}}", width: 70
           field: "EndOn", type: "date", template: '#= EndOn == null ? "" : kendo.toString(new Date(EndOn), "yyyy-MM-dd" ) #',
           title: "{{Localization.ColumnProjectEndOn}}", width: 70
           field: "ClientId", type: "string", title: "{{Localization.ColumnProjectClientId}}", width: 70,
            template: '<a href="\\#client/#=ClientId#">#=ClientId#</a>
           field: "Client.Name", type: "string",
           title: "{{Localization.ColumnProjectClientName}}", width: 150
           field: "Controls",
           template: '<div style="text-align:center">' +
                            '<span class="kendo-custom-button" title="{{Localization.ViewProjectEquipmentSubType}}" style="color:dodgerblue" ng-click="OpenProject"
                               '<span class="glyphicon glyphicon-cog" aria-hidden="true"></span>' +
                           '</span>' +
                       '</div>',
           width: "40px",
           headerTemplate: '<div style="text-align:center">' +
                                '<span class="kendo-custom-button" title="{{Localization.AddNewProject}}" style="color:green" ng-click="CreateNewProject()">' +
                                    '<span class="glyphicon glyphicon-plus" aria-hidden="true">' +
                                   '</span>' +
                               '</span>' +
                           '</div>',
```