

SERVICE

1. (建議)Guard Clauses, 建議可以改成綠色的寫法

```
2 個參考 | P23 駐點廠商-吳尚鴻 | 1 項變更 | 1 個工作項目
238 public List<ChargeCodeApplicableAreaDataModel> ApplicableAreaGet(List<long> IDList, bool CCCCFlag = false)
239 {
240     List<ChargeCodeApplicableAreaDataModel> result = new List<ChargeCodeApplicableAreaDataModel>();
241
242     if (IDList.IsAny())
243     {
244         string sqlStr = @"-- ChargeCodeService(ChargedChargeCodeListQuery) - 201811121000
245         SELECT ID,
246                COUNTRY_AREA,
247                COUNTRY,
248                AIRPORT,
249                LAST_UPDATED_BY_USERID,
250                LAST_UPDATED_TIMESTAMP,
251                FK_CCCM_ID
252         FROM CHARGE_CODE_APPLICABLE_AREA
253         WHERE FK_CCCM_ID IN :IDs ";
254
255         result = MisRepository.Query<ChargeCodeApplicableAreaDataModel>(sqlStr,
256                                new [], rowCount: RowCount).ToList();
257     }
258
259     if(IDList.IsNullOrEmpty())
260     {
261         return result;
262     }
263
264     string sqlStr = @"-- ChargeCodeService(ChargedChargeCodeListQuery) - 201811121000
265     SELECT ID,
266            COUNTRY_AREA,
267            COUNTRY,
268            AIRPORT,
269            LAST_UPDATED_BY_USERID,
270            LAST_UPDATED_TIMESTAMP,
```

2. 紅色的 ApplicableDate 可以直接放在 Query 裡面, 不用另外 New 一個變數放

3. 橘色的 IF 其實是在判斷同一件事, 可以寫在一起就好減少複雜度

```
321 public List<CountryCityApplyDataModel> ChargeCodeQueryByCountryCity(ChargeCodeSearchModel searchModel)
322 {
323     DateTime ApplicableDate = new DateTime();
324     string sqlRelatedSetting = "";
325     List<long> IDList = new List<long>();
326     List<CountryCityApplyDataModel> CountryCityApplyList = new List<CountryCityApplyDataModel>();
327     if (searchModel != null)
328     {
329         if (!string.IsNullOrEmpty(searchModel.ApplicableDate))
330         {
331             ApplicableDate = DateTime.Parse(searchModel.ApplicableDate);
332             sqlRelatedSetting = " AND EFFECTIVE_DATE < :ApplicableDate ";
333         }
334
335         //讀出全部的CHARGE_CODE_COUNTRY_CITY_APPLY
336         string sqlStr = @"--ChargeCodeService - CoutryCityApplyMaintain 20190516114800
337         SELECT ID,
338                COUNTRY CountryCode,
339                CITY CityCode,
340                EFFECTIVE_DATE EffectiveDate,
341                EXPIRY_DATE ExpiryDate,
342                FK_CHCO_ID,
343                ALL_DESTINATION_IND All_Ind,
344                LAST_UPDATED_BY_USERID,
345                LAST_UPDATED_TIMESTAMP
346         FROM CHARGE_CODE_COUNTRY_CITY_APPLY
347         WHERE FK_CHCO_ID = :FK_CHCO_ID ";
348
349         if (!string.IsNullOrEmpty(sqlRelatedSetting)) sqlStr += sqlRelatedSetting;
350         CountryCityApplyList = MisRepository.Query<CountryCityApplyDataModel>(sqlStr,
351                                     new
352                                     {
353                     FK_CHCO_ID = searchModel.ChargeCodeID,
354                     ApplicableDate = ApplicableDate
355                 }).ToList();
356     }
357 }
```

4. 請整理好程式碼的排版
5. 請移除沒有意義的空行
6. 請移除不需要的程式碼

```

345         FROM CHARGE_CODE_COUNTRY_CITY_APPLY
346         WHERE FK_CHCO_ID = :FK_CHCO_ID ";
347
348
349         if (!string.IsNullOrEmpty(sqlRelatedSetting)) sqlStr += sqlRelatedSetting;
350         CountryCityApplyList = MisRepository.Query<CountryCityApplyDataModel>(sqlStr
351         , new
352         {
353             FK_CHCO_ID = searchModel.ChargeCodeID,
354             ApplicableDate = ApplicableDate
355         }).ToList();
356
357
358
359
360
361         if (CountryCityApplyList.IsAny())
362         {
363
364             //Convert.ToDateTime(completeTimeStamp.ToString("yyyy/MM/dd") + " 00:00:00");
365             //CountryCityApplyList = CountryCityApplyList.Where(x => x.EffectiveDate < applicableDate).ToList();
366
367
368             CountryCityApplyList.ForEach(x =>
369             {
370                 x.EffectiveDate = DateTime.Parse(x.EffectiveDate).ToString("yyyy/MM/dd");
371                 x.ExpiryDate = DateTime.Parse(x.ExpiryDate).ToString("yyyy/MM/dd");
372                 x.LAST_UPDATED_TIMESTAMP = DateTime.Parse(x.LAST_UPDATED_TIMESTAMP).ToString();
373             });
374

```

7. 這裡是想要對日期欄位做 Format

```

368         CountryCityApplyList.ForEach(x =>
369         {
370             x.EffectiveDate = DateTime.Parse(x.EffectiveDate).ToString("yyyy/MM/dd");
371             x.ExpiryDate = DateTime.Parse(x.ExpiryDate).ToString("yyyy/MM/dd");
372             x.LAST_UPDATED_TIMESTAMP = DateTime.Parse(x.LAST_UPDATED_TIMESTAMP).ToString();
373         });
374
375         CountryCityApplyList.Where(x => x.ExpiryDate.IndexOf("0001") >= 0).ToList().ForEach(x => x.ExpiryDate = "");
376

```

有兩個選擇可以簡化

1. 直接用 SQL 做 Format

```

SELECT ID,
        COUNTRY CountryCode,
        CITY CityCode,
        TO_CHAR(EFFECTIVE_DATE, 'YYYY/MM/DD') AS EffectiveDate,
        DECODE(EXPIRY_DATE, '0001/01/01 00:00:00', '', TO_CHAR(EXPIRY_DATE, 'YYYY/MM/DD')) AS ExpiryDate ,
        FK_CHCO_ID,
        ALL_DESTINATION_IND All_Ind,
        LAST_UPDATED_BY_USERID,
        TO_CHAR(LAST_UPDATED_TIMESTAMP, 'YYYY/MM/DD HH24:MI:SS')
FROM CHARGE_CODE_COUNTRY_CITY_APPLY;

```

2. 這裡寫了 Foreach 又寫了 Where，實際上會執行兩次迴圈，然後對 ExpiryDate 又做了兩次處理，以上問題可以簡化成這樣：

```

CountryCityApplyList.ForEach(x =>
{
    x.EffectiveDate = x.EffectiveDate.ToDateTime().ToString("yyyy/MM/dd");
    x.ExpiryDate = (x.ExpiryDate.ToDateTime() == DateTime.MinValue)
        ? ""
        : x.ExpiryDate.ToDateTime().ToString("yyyy/MM/dd");
    x.LAST_UPDATED_TIMESTAMP = x.LAST_UPDATED_TIMESTAMP.ToDateTime().ToString();
});

```

8. 請移除沒有意義的空行
9. 請移除不需要的程式碼

```

674          FROM    CHARGE_CODE_COUNTRY_CITY_APPLY
675          WHERE    FK_CHCO_ID = :FK_CHCO_ID";
676
677      orgCountryCityData = MisRepository.Query<ChargeCodeCountryCityDataModel>(sqlStr
678      , new { FK_CHCO_ID = dataModel.ID }).ToList();
679
680
681
682
683      bool updateFlag = true;
684      //string historyInsertFlog = "";
685
686      CHARGE_CODE_COUNTRY_CITY_HIS historyModel = new CHARGE_CODE_COUNTRY_CITY_HIS();
687
688
689
690      #region maintain 資料檢核
691
692
693      if (newCountryCityData.IsAny())
694      {

```

10. 要判斷 DateTime 是不是有值可以用 EXPIRY_DATE==DateTime.MinValue
11. (建議)Guard Clauses, `if(i!=j)` 可以改成 `if(i==j){ continue;}`
減少大括號的層級跟複雜度
12. 整理程式碼的排版

```

690      #region maintain 資料檢核
691
692
693      if (newCountryCityData.IsAny())
694      {
695
696          for (int i = 0; i < newCountryCityData.Count(); i++)
697          {
698              //檢查所有Effective不可大於Expiry Date
699              if (newCountryCityData[i].EFFECTIVE_DATE > newCountryCityData[i].EXPIRY_DATE &&
700                  newCountryCityData[i].EXPIRY_DATE.ToString().IndexOf("0001/1/1 ") < 0)
701              {
702                  duplicateMsgList.Add(string.Format("{0} {1} {2}", newCountryCityData[i].COUNTRY,
703                  newCountryCityData[i].CITY,
704                  msgResource.COMMON_STRAT_END_DATE_VALIDATE));
705                  duplicateFlag += 1;
706              }
707
708              for (int j = 0; j < newCountryCityData.Count(); j++)
709              {
710                  if (i != j)
711                  {
712                      //檢查相同Country/CityCountry
713                      if ((newCountryCityData[i].COUNTRY == newCountryCityData[j].COUNTRY && newCountryCityData[i].CITY == newCountryCityData[j].CITY)
714                          || newCountryCityData[i].CITY == newCountryCityData[j].CITY)
715                      {
716
717                          //判斷生效期間是否重疊
718                          DuplicateMSG = CommonFunc.DateIntervalDuplicateCheck(newCountryCityData[i].EFFECTIVE_DATE,
719                          newCountryCityData[i].EXPIRY_DATE,
720                          newCountryCityData[j].EFFECTIVE_DATE,
721                          newCountryCityData[j].EXPIRY_DATE);

```

13. Var 可以改成 `ModelComparer<ChargeCodeCountryCityDataModel>`

```

744      #endregion
745
746      var compares = ModelComparer.Create(orgCountryCityData, newCountryCityData, m => m.ID, m => m.FK_CHCO_ID);
747
748
749      using (TransactionScope ts = new TransactionScope())
750      {

```

14. 這裡用 if...else if..., 所以 Add/Update/Delete 一次只能做一個?

```
using (TransactionScope ts = new TransactionScope())
{
    #region Insert
    if (compares.Insert.Any())
    {
        foreach (ChargeCodeCountryCityDataModel item in compares.Insert)
        {
            // ...
        }
    }
    #endregion Insert
    #region Update
    else if (compares.Update.Any())
    {
        foreach (ChargeCodeCountryCityDataModel item in compares.Update)
        {
            // ...
        }
    }
    #endregion Update
    #region Delete
    else if (compares.Delete.IsAny())
    {
        foreach (ChargeCodeCountryCityDataModel item in compares.Delete)
        {
            // ...
        }
    }
    #endregion Delete
    if (updateFlag && historyUpdateFlag)
    {
        ts.Complete();
        result.MSG.RETURN_FLAG = true;
    }
    else
    {
        result.MSG.RETURN_FLAG = false;
    }
}
```

15. 組 DB Model 的程式碼因為有 Insert/Update/Delete 所以寫了三次, 應該抽出來變成一個 Function, 減少重複程式碼

```
CHARGE_CODE_COUNTRY_CITY_APPLY CountryCityList = new CHARGE_CODE_COUNTRY_CITY_APPLY();
CountryCityList.ID = ServiceHelper.Create<INCWDBHelpService>().GetSeqNo("CCCC_SEQ");
CountryCityList.CITY = item.CITY;
CountryCityList.COUNTRY = item.COUNTRY;
CountryCityList.EFFECTIVE_DATE = item.EFFECTIVE_DATE;
CountryCityList.EXPIRY_DATE = item.EXPIRY_DATE;
CountryCityList.ALL_DESTINATION_IND = item.ALL_DESTINATION_IND;
CountryCityList.FK_CHCO_ID = dataModel.ID;
CountryCityList.LAST_UPDATED_BY_USERID = User.LoginId;
CountryCityList.LAST_UPDATED_TIMESTAMP = DateTime.Now;
if (item.ALL_DESTINATION_IND != "Y")
{
    applicableAreaMaintainFlag = ApplicableAreaDataMaintain(item.ApplicableAreaData, CountryCityList.ID, 0, 0);
}
```

16. Create History 的地方除了 Action 跟 Description 其他欄位都差不多, 應該抽出來變成一個 Function, 減少重複程式碼

```
779 result.MSG.RETURN_FLAG = true;
780 historyModel.ID = ServiceHelper.Create<INCWDBHelpService>().GetSeqNo("CCH_SEQ");
781 historyModel.ACTION = "Add";
782 historyModel.CHARGE_CODE = dataModel.CHARGE_CODE;
783 historyModel.CITY = string.IsNullOrEmpty(item.CITY) ? " " : item.CITY;
784 historyModel.COUNTRY = item.COUNTRY;
785 historyModel.EFFECTIVE_DATE = item.EFFECTIVE_DATE;
786 historyModel.EXPIRY_DATE = item.EXPIRY_DATE;
787 historyModel.LAST_UPDATED_BY_USERID = CountryCityList.LAST_UPDATED_BY_USERID;
788 historyModel.LAST_UPDATED_TIMESTAMP = CountryCityList.LAST_UPDATED_TIMESTAMP;
789 historyModel.DESCRPTION = item.ALL_DESTINATION_IND == "Y" ? "ALL(Y)" : "";
790
791 historyUpdateFlag = historyModel.Insert();
```

17. 排版問題, var 問題

18. 請處理失敗的錯誤訊息, 不然傳到上層看不出來哪裡失敗

```
2 個參考 | Helen Hung 洪婷嫻 + | 2 項變更 | 1 個工作項目
906 private bool ApplicableAreaDataMaintain(List<MultipleChoiceAreaDataModel> ApplicableAreaData, long CCCCID, long CCSPID, long CCCMID)
907 {
908     bool resultFlag = true;
909     List<MultipleChoiceAreaDataModel> newApplicableAreaData = ApplicableAreaData;
910     List<MultipleChoiceAreaDataModel> orgApplicableAreaData = new List<MultipleChoiceAreaDataModel>();
911     讀出CHARGE_CODE_APPLICABLE_AREA
912
913     var compares = ModelComparer.Create(orgApplicableAreaData, newApplicableAreaData,
914                                         m => m.ID, m => m.FK_CCCC_ID, m => m.FK_CCCM_ID, m => m.FK_CCSP_ID);
915
916     bool updateFlag = false;
917     if (compares.Insert.Any())
918     {
919         foreach (MultipleChoiceAreaDataModel item in compares.Insert)
920         {
921             CHARGE_CODE_APPLICABLE_AREA ApplicableAreaList = new CHARGE_CODE_APPLICABLE_AREA();
922             ApplicableAreaList.ID = ServiceHelper.Create(INCWBDBHelpService>().GetSeqNo("CCAA_SEQ"));
923             ApplicableAreaList.FK_CCCC_ID = CCCCID;
924             ApplicableAreaList.FK_CCCM_ID = CCCMID;
925             ApplicableAreaList.FK_CCSP_ID = CCSPID;
926             ApplicableAreaList.COUNTRY = item.Country;
927             ApplicableAreaList.COUNTRY_AREA = item.CountryArea;
928             ApplicableAreaList.AIRPORT = item.City;
929             ApplicableAreaList.LAST_UPDATED_BY_USERID = User.LoginId;
930             ApplicableAreaList.LAST_UPDATED_TIMESTAMP = DateTime.Now;
931
932             updateFlag = ApplicableAreaList.Insert();
933             if (!updateFlag)
934             {
935                 resultFlag = false;
936                 break;
937             }
938         }
939     }
940 }
```

19. GMTTimeList 用 FirstOrDefault 然後又.LOCAL_TIMESTAMP, List<Model> 的 Default 值是 Null, null.LOCAL_TIMESTAMP 會產生 Error

20. 我覺得這裡不用先把全部的 GMT 轉完之後回來再處理, 跟 Account 一樣放在迴圈裡做就可以了, 可以改用這一支
Common[ICommonREFSGeographyService.ConvertToGMT()]

```
1012 #region 轉UTC時間
1013 List<WorldTimeModel> GMTSearchList = new List<WorldTimeModel>();
1014 if (CountryCityApplyHistoryData.IsAny())
1015 {
1016     foreach (CountryCityApplyHistoryDataModel item in CountryCityApplyHistoryData)
1017     {
1018         GMTSearchList.Add(new WorldTimeModel { CITY_CODE = "TPE", ORIGIN_LOCAL_TIMESTAMP = DateTime.Parse(item.UpdatedTime) });
1019     }
1020     List<WorldTimeModel> GMTTimeList = ICommonREFSGeographyService.CommonConvertToGMT(GMTSearchList);
1021     foreach (CountryCityApplyHistoryDataModel item in CountryCityApplyHistoryData)
1022     {
1023         item.UpdatedTime = GMTTimeList.FirstOrDefault(m => m.ORIGIN_LOCAL_TIMESTAMP.ToString("yyyy/MM/dd HH:mm:ss") ==
1024             DateTime.Parse(item.UpdatedTime).ToString("yyyy/MM/dd HH:mm:ss"))
1025             .LOCAL_TIMESTAMP.ToString("yyyy/MM/dd HH:mm:ss");
1026         AccountDetailModel account = ICommonSecurityService.AccountDetailQuery(item.UpdatedBy);
1027         item.UpdatedBy = item.UpdatedBy + " / " + account.ACCOUNT_NAME;
1028     }
1029 }
1030 #endregion 轉UTC時間
```

21. (調整)User Name 改為新增 History 的時候就存到 DB 裡面(新增欄位 CHARGE_CODE_COUNTRY_CITY_HIS.LAST_UPDATED_USERNAME), 所以組合 History 的地方改成直接從 DB 讀, 就不用呼叫 Common 了

WEB

22. 這個 ViewBag 看起來沒有意義，如果不需要就移除

```
32 0 個參考 | P23 駐點廠商-吳尚鴻 +1 | 8 項變更 | 5 個工作項目
33 public class ChargeCodeController : BaseController
34 {
35     // GET: /ChargeCode/
36     0 個參考 | Fred Hsu 徐明宏 | 1 項變更 | 1 個工作項目
37     protected override void OnAuthorization(AuthorizationContext filterContext)
38     {
39     }
40     0 個參考 | Fred Hsu 徐明宏 | 1 項變更 | 1 個工作項目
41     public ActionResult Index()
42     {
43         ViewBag.Permission = true; // For Country Apply List button
44     }
45     return View();
46 }
47 /// <summary>
48 ///
49 /// </summary>
50 %
```

搜尋結果 1

全部尋找 "ViewBag.Permission", 全字拼寫須相符, 尋找結果 1, 目前專案: EVA.NCW.Web\EVA.NCW.FRC.Surcharge.Web.csproj. ""

C:\NCW\DEV3\EVA.NCW.Web\Areas\Surcharge\Controllers\ChargeCodeController.cs(41):

C:\NCW\DEV3\EVA.NCW.Web\Areas\Surcharge\Views\ChargeCode\Index.cshtml(17):

相符的行: 2 相符的檔案: 2 搜尋的檔案總數: 48

```
ViewBag.Permission = true; // For Country Apply List button
@if (ViewBag.Permission)
```

23. 傳入值如果是 Model，前面要加上[Bind(Exclude = "IsAdmin")](雖然沒意義但是規範)

24. 這個 var 是 string

25. 請移除不需要的程式碼

26. IsAny()本來就是回傳 Bool 值，後面不須加? true : false

```
50 [HttpPost]
51 0 個參考 | P23 駐點廠商-吳尚鴻 +1 | 5 項變更 | 4 個工作項目
52 public JsonResult Search(ChargeCodeSearchModel searchModel)
53 {
54     List<ChargeCodeGridModel> result = new List<ChargeCodeGridModel>();
55     result = ServiceHelper.Create<IChargeCodeService>().ChargeCodeQuery(searchModel);
56     Cache.Clear(GetGridKey(CacheList.ChargeCodeList));
57     var cacheKey = new WebChannel<ChargeCodeGridModel>().DataToCache(result);
58     SetGridKey(CacheList.ChargeCodeList, cacheKey);
59     bool rtn = false;
60     // this.HttpContext.Session["ChargeCodeGrid"] = result.ToList();
61     rtn = result.IsAny() ? true : false;
62     return Json(rtn);
63 }
64
65
66
67
```

27. 說明一下這個 Region 裡面是甚麼

```
82 }
83 return BaseGridBinding(param, () => result);
84 }
85 #region
86 CountryApplyList
87 CountryCityApply
88 SpecificApply
89 CRMandatorySetting
90
```

28. 底下有好多看起來是假資料或 Prototyping 用的程式碼，勇敢地刪掉他吧

29. Result.FirstOrDefault 的 Default 值會是 Null, 請處理 resultItem 是 Null 的情況,不然這裡會產生 Exception

```
0 個參考 | P23 駐點廠商-吳尚鴻 +1 | 5 項變更 | 4 個工作項目
92 public PartialViewResult ChargeCodeDetail(long codeID)
93 {
94     ChargeCodeDataModel model = new ChargeCodeDataModel();
95     model.ID = codeID;
96     if (codeID > 0)
97     {
98         List<ChargeCodeGridModel> result = ((List<ChargeCodeGridModel>)Cache.Get(GetGridKey(CacheList.ChargeCodeList)));
99         if (result.IsAny())
100         {
101             ChargeCodeGridModel resultItem = result.Where(m => m.ID == codeID).FirstOrDefault();
102             model.CHARGE_CODE = resultItem.ChargeCode;
103             model.ID = resultItem.ID;
104             model.DESCRPTION = resultItem.Description;
105         }
106     }
```

30. 請移除不需要的程式碼

31. 真的要用請使用 Cache, 不要使用 Session 存放資料

```
184 public JsonResult SearchCountryApplyList(CountryCityApplySearchModel searchModel)
185 {
186     MSGReturnModel result = new MSGReturnModel();
187     result.DESCRPTION = msgResource.COMMON_NOT_FOUND;
188     //Main Grid
189     List<CountryCityApplyDataModel> datas = GetCountryCityApplyMainList();
190     //Sub Grid
191     List<CountryCityApplyDataModel> subDatas = GetCountryCityApplySubList();
192
193     datas = datas.Where(m =>
194         (string.IsNullOrEmpty(searchModel.CountryCode) ? true : m.CountryCode == searchModel.CountryCode) &&
195         (string.IsNullOrEmpty(searchModel.CityCode) ? true : m.CityCode == searchModel.CityCode)).ToList();
196     //subDatas = subDatas.Where(m =>
197         // (string.IsNullOrEmpty(searchModel.CountryCode) ? true : m.CountryCode == searchModel.CountryCode) &&
198         // (string.IsNullOrEmpty(searchModel.CityCode) ? true : m.CityCode == searchModel.CityCode) &&
199         // (string.IsNullOrEmpty(searchModel.ChargeCode) ? true : m.ChargeCode == searchModel.ChargeCode) &&
200         // ((string.IsNullOrEmpty(searchModel.ApplicableDate) ? true :
201         // (m.EffectiveDate.ToDateTime() <= searchModel.ApplicableDate.ToDateTime()) &&
202         // ((string.IsNullOrEmpty(m.ExpiryDate)) || m.ExpiryDate.ToDateTime() >= searchModel.ApplicableDate.ToDateTime()))).ToList();
203
204     datas = datas.Where(x => subDatas.Any(y => y.CountryCode == x.CountryCode && y.CityCode == x.CityCode)).ToList();
205
206     Session["CountryApplyList"] = datas.ToList();
207     Session["CountryApplySubList"] = subDatas.ToList();
208 }
```

32. 當 true 的時候已經會 Return 了, 這個 Else 可以拿掉

```
87 function CHC002Search()
88 {
89     if (!CHC002SearchCheck())
90     {
91         return false;
92     }
93     else
94     {
95         CHC002CountryApplyHistoryDataBind();
96     }
97 }
```

33. 這個 searchModel 一開始是 [] 又馬上被定義成 {}, 可以直接寫成 var searchModel = { ... }

```
99 function CHC002CountryApplyHistoryDataBind()
100 {
101     var searchModel = [];
102     searchModel =
103     {
104         CountryCode: $("#CHC002CountryCode").val(),
105         CityCode: $("#CHC002CityCode").val(),
106         ChargeCode: $("#CHC002ChargeCode").val(),
107         Action: $("#CHC002Action").val()
108     }
109     $("#CHC002CountryApplyHistoryGrid").jqGrid("GridUnload");
110     $("#CHC002CountryApplyHistoryGrid").jqGrid({
111         url: CHC002.UrlList.urlCHC002CountryApplyHistoryDataBind,
112         datatype: "json",
113         mtype: "POST",
114         postData: searchModel,
115         jsonReader:
116     }
```

34. (建議)colNames 可以寫在 colModel[label], 減少增減欄位時忘記同步的欄位名稱的困擾

```
118     },
119     colNames: ["ID", "Updated Time ( UTC )", "Updated by", "Action", "Country ( Region )", "City", "Charge Code", "Description"],
120     colModel: [
121       { name: "ID", align: "center", hidden: true },
122       { name: "UpdatedTime", width: "200px", align: "center", sortable: false },
123       { name: "UpdatedBy", width: "250px", align: "center", sortable: false },
124       { name: "Action", width: "100px", align: "center", sortable: false },
125       { name: "CountryCode", width: "170px", align: "center", sortable: false },
126       { name: "CityCode", width: "70px", align: "center", sortable: false },
127       { name: "ChargeCode", width: "130px", align: "center", sortable: false },
128       { name: "Description", width: "500px", align: "left", sortable: false },
129     ],
```

35. 這些都是 Default 值, 不用特別寫

```
129     ],
130     multiselect: false,
131     rowNum: 20,
132     rowList: [20, 50, 80],
133     pager: "CHCO02CountryApplyHistoryPager",
134     toppager: false,
135     viewrecords: true,
136     rownumbers: false,
137     hidegrid: false,
138     resizable: false,
139     width: 'auto',
140     height: "100%",
141     jsonReader: { //讀JSON格式資料
142       repeatitems: false,
143     },
```

36. (建議)Guard Clauses, 建議可以改成綠色的寫法

_CHCO01CountryCityApplyList.cshtml

```
127     loadComplete: function (data)
128     {
129       if (data.records == 0)
130       {
131         $("#CHCO01CountryApplyListResult").hide();
132       }
133       else
134       {
135         $("#CHCO01CountryApplyListResult").show();
136         if (data.records <= 20)
137         {
138           $("#CHCO01CountryApplyListPager").hide();
139         }
140         else
141         {
142           $("#CHCO01CountryApplyListPager").show();
143         }
144       }
145     },
```

_CHCO02CountryCityApplyListHistory.cshtml

```
148     loadComplete: function (data)
149     {
150       if (data.records == 0)
151       {
152         $("#CHCO02CountryApplyHistoryGridDiv").hide();
153       }
154       else
155       {
156         $("#CHCO02CountryApplyHistoryGridDiv").show();
157         if (data.records <= 20)
158         {
159           $("#CHCO02CountryApplyHistoryPager").hide();
160         }
161         else
162         {
163           $("#CHCO02CountryApplyHistoryPager").show();
164         }
165       }
166     }
167   });
168 }
169 </script>
```

```
3     if (data.records == 0)
4     {
5       $("#CHCO02CountryApplyHistoryGridDiv").hide();
6       return;
7     }
8     $("#CHCO02CountryApplyHistoryGridDiv").show();
9
10    if (data.records <= 20)
11    {
12      $("#CHCO02CountryApplyHistoryPager").hide();
13      return;
14    }
15    $("#CHCO02CountryApplyHistoryPager").show();
16  }
17 }
18
```


- 37. 變數要掛上流水號
- 38. 左大括號要換行
- 39. 簽入時記得拿掉 debugger

```
64 <script>
65     var urlCHC003ChargeCodeSave = '@Url.Action("ChargeCodeSave", "ChargeCode")';
66     var urlCHC003ChargeCodeDelete = '@Url.Action("ChargeCodeDelete", "ChargeCode")';
67     var ChargeCodeID = @Model.ID;
68     var gridID = "";
69     var CountryChange = false;
70     $(document).ready(function () {
71         debugger
72         $('#CHC003Tabs').tabs({
73             activate: function (event, ui) {
74                 ui.oldTab.find("a").removeClass('active');
75                 ui.newTab.find("a").addClass('active');
76             }
77         });
78         $('#CHC003DeductingOverDisable').change(function () {
79             if (this.checked) {
80                 $("input[name='CHC003Deducting']:not(#CHC003DeductingOverDisable), input[
81             ]
```

- 40. 這個 MSG 看起來被定義在 Index 裡面，建議定義在自己這個 Partial View 裡面

```
151
152 function CHC003NewSaveCheck() {
153     var result = true;
154     $(".requiredText").removeClass("error");
155     $(".requiredText").each(function () {
156         if ($(this).val() == "") {
157             $(this).addClass("error");
158             result = false;
159         }
160     });
161     if (!result) {
162         alert(COMMON_FIELDS_REQUIRED);
163     }
164     return result;
165 }
166
```

script>

找結果 1

C:\NCW\NVP3\VEYA.NCW.Web\Areas\Surchage\Views\ChargeCode\CHC011CRMandatorySetting.cshtml(645):	alert(COMMON_FIELDS_REQUIRED);
C:\NCW\NVP3\VEYA.NCW.Web\Areas\Surchage\Views\ChargeCode\CHC011CRMandatorySetting.cshtml(694):	alert(COMMON_FIELDS_REQUIRED);
C:\NCW\NVP3\VEYA.NCW.Web\Areas\Surchage\Views\ChargeCode\Index.cshtml(64):	var COMMON_FIELDS_REQUIRED = '@msgResource.COMMON_FIELDS_REQUIRED';
C:\NCW\NVP3\VEYA.NCW.Web\Areas\Surchage\Views\ChargeCode\Index.cshtml(79):	COMMON_FIELDS_REQUIRED: "html.Raw(msgResource.COMMON_FIELDS_REQUIRED)",
C:\NCW\NVP3\VEYA.NCW.Web\Areas\Surchage\Views\ChargeCode\Index.cshtml(108):	alert("Surchage Related Setting " + COMMON_FIELDS_REQUIRED);
C:\NCW\NVP3\VEYA.NCW.Web\Areas\Surchage\Views\SurchageContractRate\SURC01ContractRateQuery.cshtml(240):	COMMON_FIELDS_REQUIRED: "@VEYA.NCW.Utility.Service

41. 這裡有 Add 跟 Update, 看起來只有傳入值不同寫了兩次; 然後底下的判斷式寫了好多 if...else... 程式碼應該重構一下

```
176 //新增
177 if ($("#CHC003ID").val() == 0) {
178     $.ajax({
179         url: urlCHC003ChargeCodeSave,
180         type: "POST",
181         contentType: "application/json",
182         data: JSON.stringify({
183             ID: ($("#CHC003ID").val()),
184             CHARGE_CODE: ($("#CHC003ChargeCode").val()),
185             DESCRIPTION: ($("#CHC003Description").val()),
186         }),
187     }).done(function (result) {
188
189         if (result.RETURN_FLAG) {
190             alert(COMMON_SAVE_$);
191             $("#CHC003Tabs").show();
192             $("#CHC003ID").val(result.DESRIPTION);
193             $("#CHC003Code").val($("#CHC003ChargeCode").val());
194             $("#CHC003ChargeCode").prop("readonly", true);
195             $("#CHC000ChargeCodeDetailDialog").dialog('close');
196             CHC000Search();
197         }
198         else{
199             alert(result.DESRIPTION);
200         }
201     })
202 }
203 else{
204     if (!CHC009CountryApplyDataCheck()) {
205         $("#CHC003Step1").click();
206         alert(COMMON_FIELDS_REQUIRED);
207         return;
208     }
209 }
```