1. **功能頁面背景資料**

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| --- | --- | --- |
| 功能頁面名稱 | 實際進度計算 | |
| 頁面檔名 | ProgressA.aspx | |
| 隸屬模組 | 進度管理模組 | |
| 原頁面 | 進度管理 | ProgressMode\_new3.aspx |

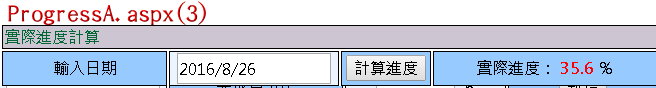
1. **使用者介面(UI)及操作流程說明**
   1. **PageLoad**



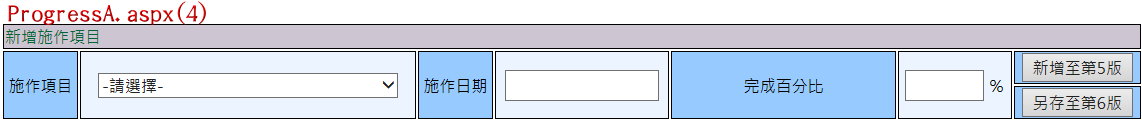
1. 如圖(1)，載入下方版本列表Table資訊，Select From Progress\_ RVersion Where PID= Session("PID")
   1. 版本：Progress\_RVersion.Version
   2. 合計已施作金額：Progress\_RVersion.TotalPrice
   3. 最後記錄日期：Progress\_RVersion.LastDate
   4. 版本敘述：Progress\_RVersion.Note
2. 版本列表Table各列前方有三個按鈕
   1. ****(查看內容)：詳2.2
   2. ****(編輯版次資訊)：點擊可編輯版次資訊，可直接使用GridView功能(Update Progress\_ RVersion )
   3. ****(刪除版次)：點擊可刪除版次，須先與使用者確認，可直接使用GridView功能(Delete From Progress\_ RVersion)，但須加上Delete From Progress\_Real Where Version=所選版次
   4. **版本列表-(查看內容).Click**



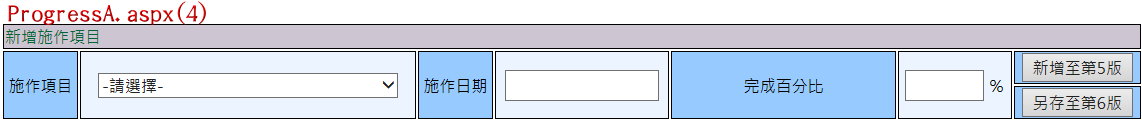
1. 顯示如圖(2)，Session("Version")=所選版次，Session("MaxVersion") =Select Max Version From Progress\_RVersion Where ProjectID= Session ("PID")
2. Pnl\_Main.Visable=True
3. 標題「第X版實際進度」，其中X(LB\_Version)= Session("Version")
4. 載入日報資訊並更新至第X版(Btn\_DailyReload)，其中X= Session ("Version")，詳細功能詳2.3
5. 載入日報資訊並另存至第X版(Btn\_DailyReloadNew)，其中X= Session("MaxVersion")+1，詳細功能詳2.4
6. 新增至第X版(Btn\_Insert)，其中X= Session("Version")，詳細功能詳2.6
7. 另存至第X版(Btn\_InsertNew)，其中X= Session("MaxVersion") +1，詳細功能詳2.7
8. 輸入日期(TB\_Date).Text預設代入今天日期
9. 施作項目▼(DDL\_Activity).SelectedItem.Text/.SelecedValue=Select WIName/WIID From Progress\_WIINF Where ProjectID= Session ("PID")
10. 載入實際施作項目清單之Table，Select From Progress\_Real INNER JOIN Progress\_WIINF ON Progress\_Real.ProgressID = Progress\_WIINF.ProgressID Where Progress\_Real.ProjectID= Session("PID") And Progress\_Real.Version= Session("Version")
    1. 作業項目名稱：Progress\_WIINF.WIName
    2. 施作日期：Progress\_Real.WorkDate
    3. 完成百分比：Progress\_Real.CompleteAmount
11. 實際施作項目清單之Table各列前方有三個按鈕
    1. (編輯施作項目)：點擊可編輯施作項目，可直接使用GridView功能(Update Progress\_ Real)
    2. (刪除施作項目)：點擊可刪除施作項目，須先與使用者確認，可直接使用GridView功能(Delete From Progress\_ Real)
    3. **載入日報資訊並更新至第X版(Btn\_DailyReload).Click**
12. 與使用者再次確認重新載入將會清除目前所有實際施作項目
13. Delete From Progress\_Real Where ProjectID= Session("PID") And Version= Session("Version")
14. Select Progress\_WIINF.Amount, EBudget\_WBS.LastENumber, EBudget\_WBS.EPrice, Daily\_Main.Date, Daily\_Activity.WIID, Daily\_Activity.DailyNumber From Daily\_Activity INNER JOIN Daily\_Main ON Daily\_Activity.DailyID = Daily\_Main.DailyID INNER JOIN EBudget\_WBS ON Daily\_Activity.EWID = EBudget\_WBS.EWID INNER JOIN Progress\_WIINF ON Daily\_Activity.WIID = Progress\_WIINF.WIID Where Daily\_Main.PID= Session("PID")
15. CompleteAmount= Daily\_Activity.DailyNumber/ (EBudget\_WBS. LastENumber\* (Progress\_WIINF.Amount/100)) \*100
16. Insert Into Progress\_Real(ProjectID, ProgressID, WorkDate, CompleteAmount, Version) Values(Session("PID"), Daily\_Activity.WIID, Daily\_Main.Date, 前計算之CompleteAmount, Session("Version"))
17. TotalPrice=SUM(EBudget\_WBS.EPrice\* EBudget\_WBS. LastENumber\*(Progress\_WIINF.Amount/100)\*(前計算之CompleteAmount/100))
18. LastDate=Max(Daily\_Main.Date)
19. Update Progress\_RVersion Set TotalPrice=前計算之TotalPrice, LastDate=前計算之LastDate Where PID=Session("PID") And Version=Session("Version")
20. 重新載入版本列表Table及實際施作項目清單之Table
21. 此功能部分等同原ProgressMode\_new3.aspx中載入日報資訊之功能，可參考引用
    1. **載入日報資訊並另存至第X版(Btn\_DailyReloadNew).Click**
22. 與使用者再次確認要另存新版本至第X版
23. Select Progress\_WIINF.Amount, EBudget\_WBS.LastENumber, EBudget\_WBS.EPrice, Daily\_Main.Date, Daily\_Activity.WIID, Daily\_Activity.DailyNumber From Daily\_Activity INNER JOIN Daily\_Main ON Daily\_Activity.DailyID = Daily\_Main.DailyID INNER JOIN EBudget\_WBS ON Daily\_Activity.EWID = EBudget\_WBS.EWID INNER JOIN Progress\_WIINF ON Daily\_Activity.WIID = Progress\_WIINF.WIID Where Daily\_Main.PID= Session("PID")
24. CompleteAmount= Daily\_Activity.DailyNumber/ (EBudget\_WBS. LastENumber\* (Progress\_WIINF.Amount/100)) \*100
25. Insert Into Progress\_Real(ProjectID, ProgressID, WorkDate, CompleteAmount, Version) Values(Session("PID"), Daily\_Activity.WIID, Daily\_Main.Date, 前計算之CompleteAmount, Session("MaxVersion")+1)
26. TotalPrice=SUM(EBudget\_WBS.EPrice\* EBudget\_WBS. LastENumber\*(Progress\_WIINF.Amount/100)\*(前計算之CompleteAmount/100))
27. LastDate=Max(Daily\_Main.Date)
28. Insert Into Progress\_RVersion(PID, Version, TotalPrice, LastDate) Values(Session("PID"), Session("MaxVersion")+1, 前計算之TotalPrice, 前計算之LastDate)
29. Session("Version")= Session("MaxVersion")+1
30. Session("MaxVersion")= Session("MaxVersion")+1
31. 重新執行2.2之內容
32. 重新載入版本列表Table
33. 此功能部分等同原ProgressMode\_new3.aspx中載入日報資訊之功能，可參考引用
    1. **計算進度(Btn\_Cal).Click**



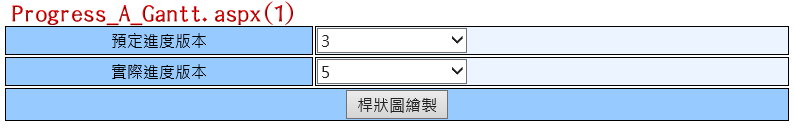
1. Select Progress\_Real.CompleteAmount, Progress\_Real.WorkDate, Progress\_WIINF.Amount, EBudget\_WBS.LastENumber, EBudget\_WBS.EPrice From Progress\_Real INNER JOIN Progress\_WIINF ON Progress\_Real.ProgressID = Progress\_WIINF.ProgressID INNER JOIN EBudget\_WBS ON Progress\_WIINF.WBSID = EBudget\_WBS.EWID Where Progress\_Real.ProjectID=Session("PID") And Progress\_Real. WorkDate <=輸入日期.Text And Progress\_Real.Version= Session("Version")
2. DonePrice=SUM(EBudget\_WBS.EPrice\* EBudget\_WBS. LastENumber\*(Progress\_WIINF.Amount/100)\*( Progress\_Real.CompleteAmount/100))
3. EBudgetPrice=SUM(Select LastENumber, EPrice From EBudget\_WBS Where PID= Session("PID"))
4. LB\_CalAns.Text=前計算之DonePrice/前計算之EBudgetPrice\*100(計算至小數點後兩位)
5. LB\_Cal01.Visable=True; LB\_Cal02.Visable=True; LB\_CalAns.Visable=True
   1. **新增至第X版(Btn\_Insert).Click**



1. 確認施作項目▼、施作日期、完成百分比皆已輸入，其中完成百分比僅可輸入<=100之數字
2. Insert Into Progress\_Real(ProjectID, ProgressID, WorkDate, CompleteAmount, Version) Values(Session("PID"),施作項目▼. SelectedValue, 施作日期.Text, 完成百分比.Text, Session("Version"))
3. Select TotalPrice, LastDate From Progress\_RVersion Where PID= Session("PID") And Version=Session("Version")
4. 原TotalPrice=前Select之TotalPrice
5. 原LastDate=前Select之LastDate
6. Select EBudget\_WBS.LastENumber, EBudget\_WBS.EPrice, Progress\_WIINF.Amount From Progress\_WIINF INNER JOIN EBudget\_WBS ON Progress\_WIINF.ProgressID= EBudget\_WBS.EWID Where Progress\_WIINF.ProgressID =施作項目▼.SelectedValue
7. 增加TotalPrice=EBudget\_WBS.EPrice\* EBudget\_WBS. LastENumber\*(Progress\_WIINF.Amount/100)\*(完成百分比.Text /100)
8. Update Progress\_RVersion Set TotalPrice=(原TotalPrice+增加TotalPrice), LastDate=(Max(原LastDate, 施作日期.Text)) Where PID=Session("PID") And Version=Session("Version")
9. 重新載入版本列表Table及實際施作項目清單之Table
   1. **另存至第X版(Btn\_InsertNew).Click**



1. 確認施作項目▼、施作日期、完成百分比皆已輸入，其中完成百分比僅可輸入<=100之數字
2. 將Progress\_Real中Version=Session("Version")之所有資料複製Insert IntoProgress\_Real(Version=Session("MaxVersion")+1)
3. Insert Into Progress\_Real(ProjectID, ProgressID, WorkDate, CompleteAmount, Version) Values(Session("PID"),施作項目▼. SelectedValue, 施作日期.Text, 完成百分比.Text, Session ("MaxVersion")+1)
4. Select TotalPrice, LastDate From Progress\_RVersion Where PID= Session("PID") And Version=Session("Version")
5. 原TotalPrice=前Select之TotalPrice
6. 原LastDate=前Select之LastDate
7. Select EBudget\_WBS.LastENumber, EBudget\_WBS.EPrice, Progress\_WIINF.Amount From Progress\_WIINF INNER JOIN EBudget\_WBS ON Progress\_WIINF.ProgressID= EBudget\_WBS.EWID Where Progress\_WIINF.ProgressID =施作項目▼.SelectedValue
8. 增加TotalPrice=EBudget\_WBS.EPrice\* EBudget\_WBS. LastENumber\*(Progress\_WIINF.Amount/100)\*(完成百分比.Text /100)
9. Insert Into Progress\_RVersion(PID, Version, TotalPrice, LastDate) Values(Session("PID"), (Session ("MaxVersion")+1), (原TotalPrice+增加TotalPrice), (Max(原LastDate, 施作日期.Text))
10. Session("Version")= Session("MaxVersion")+1
11. Session("MaxVersion")= Session("MaxVersion")+1
12. 重新執行2.2之內容
13. 重新載入版本列表Table
    1. **(IBtn\_Draw).Click**



1. 點擊後開啟Progress\_A\_Gantt.aspx(開新視窗)，開啟後Pageload畫面如上圖(1)
2. 預定進度版本▼.SelectedItem.Text/.SelectedValue= Select Distinct Version From Progress\_WIINF Order By Version DESC，預設Max (Progress\_WIINF.Version).Selected=True
3. 實際進度版本▼.SelectedItem.Text/.SelectedValue= Select Distinct Version From Progress\_RVersion Order By Version DESC，預設Max (Progress\_WIINF.Version).Selected=True



1. 桿狀圖繪製.Click則依據使用者所選預定進度版本▼及實際進度版本▼繪製桿狀圖，如上圖(2)，桿狀圖繪製功能可參考原Progress\_new3.aspx之 Function drawchar2()，以及Progress\_new3.aspx.cs之Function LString()、make\_header\_row()、make\_date\_row()、make\_compare\_ header\_row()、make\_compare\_row()、Line\_string()