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//*****
// Name:      WPCHLBTB.WPM
// PURPOSE:   Library of Procedures for Tables Coaches
// AUTHOR:J. J. Westergren, WPCORP
// Rev Date: 6/7/93
//*****

// June 7, 1993  Consistency changes

//*****
//
// PROCEDURE: ExitTableEdit
//
//*****
PROCEDURE ExitTableEdit()
Use("WPCHLIBR.WPM")
  If(?InTable)
    If(?Dialog=36)
      tbox={ "You are currently in Table Edit Mode.";
            "You may now exit Table Edit Mode to get";
            "back to your normal editing screen.";
            " ";
            "► Choose [Bold On]Close[Bold Off].";
            " -or- ";
            "► Press [Bold On]F7[Bold Off]. ";
            ""};
      }
      keyequiv={ -8154;      // F7
                };
      TableEditControl(71;22;78;22;0;&tbox;&keyequiv)
      Type (ntoc(-8154))

      Tbox={ "You are back to Normal Editing Mode.";
            "You can now add or edit text in the table.";
            " ";
            };
      Result=MessageBox("Coach",&tbox;1)
    Endif
  Endif
ENDPROC

```

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*****
//
// PROCEDURE: TableEditControl
//
*****
PROCEDURE TableEditControl(x1;y1;x2;y2;AlphaKey;&tbox;&keyequiv)
Use("WPCHLIBR.WPM")
  Eprompt=0

  Look(key)
  While(key<>0)
    Look(key)
  EndWhile

  key=0 gomenu=0
  DisplayRewrite

  While(1)
//    Cancel(off!)
    Result=MessageBox("Coach";&tbox;0)
    Char(key)
    If(Key=-8160)
      CancelCoach()
    Endif
    If(Key= -768)
      If ((?Mouselasty < 19+ScrnMode) and (?Mouselasty > 1))
        If ((?Mouselastx > 4) and (?Mouselastx < 79))
          If (?MouseMiddle=0)
            Type(ntoc(Key))
            While(?Mouseleft)
              Endwhile
            //mouse left clicked within table
          Endif
        Endif
      Endif
    Endif

    If((?MouselastX >= x1 and ?MouselastX <= x2) and
      (?MouselastY >= y1 and ?MouselastY <= y2))
      While(?Mouseleft)
        Endwhile
        Return
      Endif
    ELSE
      If(keyequiv[0]<>0)
        ForNext(x;1;keyequiv[0])
          If((key=keyequiv[x]) or (key=keyequiv[x]-32))
            Return
          Endif
        Endfor
      Endif
      If(Key = -8167 or Key = -8168 or Key = -8169 or Key=-8166 or Key=-8103 or Key=-8102)
        //left arrow, right arrow, up arrow, down arrow, PgUp, PgDn
        Type (ntoc(Key))
      Endif
    Endif
  Endif
Endif

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EndWhile  
ENDPROC
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*****
//
// PROCEDURE: TableEditCtrl2
//
*****
PROCEDURE TableEditCtrl2(x1;y1;x2;y2;xpos;ypos;&tbox;&keyequiv)
Use("WPCHLIBR.WPM")
    Eprompt=0

    Look(key)
    While(key<>0)
        Look(key)
    EndWhile

    key=0 gomenu=0
    DisplayRewrite

    While(1)
//      Cancel(off!)
        Result=Postit("Coach",&tbox;xpos;ypos;0;0;0)
        Char(key)
        If(Key=-8160)
            CancelCoach()
        Endif
        If(Key= -768)
            If ((?Mouselasty < 19+ScrnMode) and (?Mouselasty > 1))
                If ((?Mouselastx > 4) and (?Mouselastx < 79))
                    If (?MouseMiddle=0)
                        Type(ntoc(Key))
                        While(?Mouseleft)
                            Endwhile
                        //mouse left clicked within table
                    Endif
                Endif
            Endif
        Endif

        If((?MouselastX >= x1 and ?MouselastX <= x2) and
            (?MouselastY >= y1 and ?MouselastY <= y2))
            While(?Mouseleft)
                Endwhile
            Return
        Endif
    ELSE
        If(keyequiv[0]<>0)
            ForNext(x;1;keyequiv[0])
                If((key=keyequiv[x]) or (key=keyequiv[x]-32))
                    Return
                Endif
            Endfor
        Endif
        If(Key = -8167 or Key = -8168 or Key = -8169 or Key=-8166 or Key=-8103 or Key=-8102)
            //left arrow, right arrow, up arrow, down arrow, PgUp, PgDn
            Type (ntoc(Key))
        Endif
    Endif
Endif

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EndWhile  
ENDPROC
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*****
//
// PROCEDURE: EditTable
//
*****
PROCEDURE EditTable()
Use("WPCHLIBR.WPM")
  OnCancel Call (CancelCoach)
  Label(EditTableTop)
  If(?Dialog=36) // If in table edit mode
    Return
  Endif

  If(Not ?InTable) // Not in table
    Title="Coach"
    tbox={ "► Place the cursor in your table.";
          "";
          }
    FakeIt(DefTitle;&tbox;3;1;0)
    keypress={-8154;} // F7 key
    chkcode={-1;}
    Key=DoEdit(0;&chkcode;&keypress) // Wait for user to press F7
    WindowMaximize
  Endif

  If(Not ?InTable)
    w=64 h=7
    tbox={ "The cursor is not in a table. Would you like to...";
          " ";
          }

    DlgCreate(Result; "Edit a Table"; DlgNoCancel!+DlgNoOk!; ;;w;h)
    DlgControl(CtrlPushButton!;;"~Create New Table";;w-61;h-2)
    DlgControl(CtrlPushButton!;;" ~Edit A Table ";;w-41;h-2)
    DlgControl(CtrlPushButton!;;" Quit...[Bold On]Esc[Bold Off] ";StyCancel!;w-21;h-2)
    ForNext(x;1;tbox[0])
      DlgControl(CtrlLabel!;;tbox[x];;2;x+1;)
    Endfor
  DLGEND
  If(Result=1)
    Global(Module)
    Module=1
    Run("WPCHTB01.WPM")
    RETURN
  Else
    If(Result = 2)
      Go(EditTableTop)
    Else
      If(Result=-1)
        CancelCoach()
      Endif
    Endif
  Endif
  Endif
  Endif
Else //If in a table
tbox={ "To modify a table, you must be in";
      "Table Edit Mode. To enter Table";
}

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    "Edit Mode,";
    " ";
    "► Choose [Bold On]Layout[Bold Off], ";
    " then [Bold On]Tables[Bold Off], ";
    " then [Bold On]Edit[Bold Off].";
    " -or-";
    "► Press [Bold On]Alt+F11[Bold Off].";
    """;
}

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hbox1={"► Choose [Bold On]Layout. ";
      """;
}

```

```

hbox2={"► Choose [Bold On]Tables. ";
      """;
}

```

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hbox3={"► Choose [Bold On]Edit.";
      }

```

LayoutMenu(&valid)

```

    //Set Valid Menu Variable
allow={ 1539;} // Edit
exallow={ 0;}
accel={ 116;} // t for Tables
exaccel={ 1;}
subval={
    1538; // [Create]
    1539; // [Edit]
    264; // Insert
    265; // Delete
    1540; // Join
    1541; // Split
    1542; // Calculate
    1543; // Create Floating Cell
    1544; // Edit Floating Cell
}
subacl={ 101;} // (E)dit
exsubacl={ 0;}

subs={1537;} // [Tables]

funkey={ -6774;} // Alt+F11

sbox={ "Choose [Bold On]Edit.";
      }

```

Repeat

```

Result=PostIt("Coach";&tbox;0;11;0;2;0)
MenuActive=0
Show=HotSpot(0;0;62;0;-537;&funkey;1)

```

Switch(Show)

```

CaseOf 1: // User chooses Show Me
    Display(On!)

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        Result=Postit("Coach",&tbox;0;11;0;3;0)
        ShowMenu("Coach",&sbox;51;2;3;5;2;0)

CaseOf 2043:          // User chooses Layout

CaseOf -537:         // User pressed Alt+L
    Result=Postit("Coach",&tbox;0;11;0;3;0)
    PullDownDlg
    Type("l")

CaseOf -8130:        // User pressed Alt+F7
    DisplayRewrite
    TblColEdit()

CaseOf -6774:        // User pressed Alt+F11
    DlgInput(on!)
    TableEditDlg

CaseOf -8085:        // User pressed Alt+=
    MenuActive=MenuBarControl("Coach",&hbox1;&sbox;52;2;108;&funkey)

DEFAULT:            // Default
    Result=PostIt("Coach",&tbox;0;11;0;3;0)
    MenuActive=MenuBarControl("Coach",&hbox1;&sbox;52;2;108;&funkey)

ENDSwitch

If(MenuActive <> -1) // If menu down
    If((Show <> -6774) or (Result <> -8130)) //Alt+F11 or Alt+F7
        Result=MenuControl(&hbox1;&hbox2;&hbox3;&valid;&allow;&exallow;
            &accel;&exaccel;&subval;&subacl;&exsubacl;&subs;&funkey)
        MenuActive=Result
        DisplayRewrite
        If(Result = 1539 or Result = 101 or Result = -6774)
            CancelMenus()
            DisplayRewrite
            DlgInput(On!)
            TableEditDlg
        Endif
    Endif
Endif
If(Show = -6774)
    Break
Endif
Until(MenuActive <> -1)
Endif
ENDPROC

```



```

*****
//
// PROCEDURE: TblColEdit
//
*****
PROCEDURE TblColEdit()
Use("WPCHLIBR.WPM")
  x1={ 19;20;          // Tables, Edit
    }
  x2={ 28;31;
    }
  y1={ 7;9;
    }
  y2={ 7;9;
    }
  Hotkey={ 116;      // (T)ables
          101;      // (E)dit
        }
  hotpnt={ 0;1;}
  helpmsg={ "► Choose [Bold On]Tables[Bold Off], then [Bold On]Edit[Bold Off]. ";
           "";
        }

  Result=0 SaveScrn=0
  While(?Dialog = 370)
  If(Result = "Hint")
    hbox={ "No HINT available here.";
          "What might be helpful?";
          "";
        }
    Moreinfo=MessageBox("Hint",&hbox;1)
  Endif

  Switch(?DialogControl)

  CaseOf 0:          // OK
    info={ 0;          // Control ID
          370;        // Dialog ID
          0;          // No arrow keys
          "Coach";    // Title
          45;         // Xpos for Postit
          12;         // Ypos for Postit
          4;          // Hint button
          "Coach";    // Help title
          1;          // Restore Screen
          0;          // Reserved
        }
    accel={ 50; 116;   // 2,(T)ables
    }
    aclpnt={0;0;}
    Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
      &accel;&aclpnt;&tbox;&helpmsg)

  CaseOf 58:        // Tables
    info={ 58;          // Control ID *
          370;        // Dialog ID

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        0;                // Don't allow arrows
        "Coach";        // Title
        45;             // Xpos for Postit
        12;             // Ypos for Postit
        4;              // Hint Button
        "Coach";        // Help title
        1;              // Restore Screen
        0;              // Reserved
    }
    accel={ 50;101;      // 2,(E)dit
    }
    aclpnt={1;1;}
    Result=ButtonControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotkey;
    &accel;&aclpnt;&tbox;&helpmsg)

DEFAULT:
    info={ ?DialogControl; // Control ID
    370;    // Dialog ID
    0;     // Don't allow arrows
    "Coach"; // Title
    45;    // Xpos for Postit
    12;    // Ypos for Postit
    4;     // Hint Button
    "Coach"; // Help Title
    1;     // Restore Screen
    0;     // Reserved
    }
    accel={ 50;116;      // 2,(T)ables
    }
    Aclpnt={0;0;}
    allow={0;58}
    Result=InvalidControl(&info;&x1;&x2;&y1;&y2;&hotkey;&hotpnt;
    &accel;&aclpnt;&tbox;&helpmsg;&allow)
ENDSwitch
EndWhile
ENDPROC

```

```

*****
//
//  FUNCTION: TableBlockEdit
//
*****
FUNCTION TableBlockEdit(Title;&msg;EnableMouse;x1;x2;y1;x2;&keypress)

    Result=0

    Look(Key)
    While(Key <> 0)
        Look(Key)
    EndWhile

    NotFound(On!)
    OnNotFound Call(NotFoundCoach)
    OnCancel Call(CancelCoach)

    Label(Blockit)
    Result=0 Choice=0
    Firstcell=" "
    LastCell=" "

    Repeat
//      Cancel(off!)
        Vpos=(24 - (Msg[0]+7))
        Result=Postit("Coach";&msg;-99;Vpos;0;0;0)

        Char(Key)          //Get a keypress
        If (Key=-8160)
            CancelCoach()
        Endif
        If(Key <> -768)      //cursor keys
            While(?MouseLeft)
                EndWhile
                If((Key = -8169 or Key = -8166 or Key = -8167 or
                Key = -8168 or Key = -8103 or Key = -8102 or
                Key = -8107 or Key = -8184 or Key=-8133))
                    Type(ntoc(Key))
                    If (Key=-8133 and ?BlockActive)
                        FirstCell=?cell
                    Endif
                //arrows, PgDn, PgUp, End, Home, Block
            Endif
        Else
            If((?MouselastX >= x1 and ?MouselastX <= x2) and
            (?MouselastY >= y1 and ?MouselastY <= y2))
                Type(ntoc(Key))
                Choice=1
                Break
            Endif
            If((?Mouselasty < 19+ScrnMode and (?Mouselasty > 1))
            and (?Mouselastx > 4 and ?Mouselastx < 79)
            and (EnableMouse) and (?MouseRightClick = 0))
                Type(ntoc(Key))

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```
        //mouse left clicked within table
    Endif
Endif
Use("WPCHLIBR.WPM")

    NotFound(Off!)
    Cancel(Off!)
    Result=Filter(&keypress;Key;1)
    Until (Key=keypress[Result] or (Choice=1))
    LastCell=?Cell
    If (Firstcell=Lastcell)
        tbox={ "No cells are blocked. You must block";
              "at least 2 cells to complete the task.";
              "";
            }
        Result=MessageBox("Coach",&tbox;1)
        Go(Blockit)
    Endif
    Return(LastCell)
ENDFUNC
```

```

//*****
//
//  FUNCTION: PostaNote
//
//*****
FUNCTION PostANote(Title;&tbox;xpos;ypos;Modal;Buttons)
  Global(xposS1;xposS2;xposH1;xposH2;xposQ1;xposQ2;yposS1;yposQ1)
  Look(Key)
  While(Key <> 0)
    Look(Key)
  EndWhile

  w=StrLen(tbox[1])
  tst=StrLen(Title)
  If(tst > w)
    w=tst
  Endif
  ForNext(x;2;tbox[0])
    tst=StrLen(tbox[x])
    If(tst > w)
      w=tst          // w = width of inside of box
    Endif
  Endfor
  If(Buttons = 0)
    h=tbox[0]+2
  Else
    h=tbox[0]+3 // h = height of inside of box
  Endif
  w=w+4
  If(Buttons > 0 and Buttons < 5)
    If(Buttons = 1)
      If(w < 18)
        w=18
      Endif
    Else
      If(w < 32)
        w=32
      Endif
    Endif
  Else
    If(Buttons = 5)
      If(w < 52)
        w=52
      Endif
    Endif
  Endif
  If(Buttons = 6)
    h=h+2
  EndIf

  If(Modal)
    If(xpos = -99 and ypos = -99)
      DlgCreate(Result;"Coach";DlgNoOk!+DlgNoCancel!;
        ;;w;h)
    Else
      If(xpos <> -99 and ypos = -99)

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```

        DlgCreate(Result;"Coach";DlgNoOk!+DlgNoCancel!;
        xpos;;w;h)
    Else
        If(xpos = -99 and ypos <> -99)
            DlgCreate(Result;"Coach";
            DlgNoOk!+DlgNoCancel!;
            ;ypos+ScrnMode;w;h)
        Else
            DlgCreate(Result;"Coach";
            DlgNoOk!+DlgNoCancel!;
            xpos;ypos+ScrnMode;w;h)
        Endif
    Endif
Endif
Else
    If(xpos = -99 and ypos = -99)
        DlgCreate(Result;"Coach";DlgInactive!+DlgNoClear!+
        DlgNoOk!+DlgNoCancel!;
        ;;w;h)
    Else
        If(xpos <> -99 and ypos = -99)
            DlgCreate(Result;"Coach";
            DlgInactive!+DlgNoClear!+
            DlgNoOk!+DlgNoCancel!;
            xpos;;w;h)
        Else
            If(xpos = -99 and ypos <> -99)
                DlgCreate(Result;"Coach";DlgInactive!+DlgNoClear!+
                DlgNoOk!+DlgNoCancel!;
                ;ypos+ScrnMode;w;h)
            Else
                DlgCreate(Result;"Coach";
                DlgInactive!+DlgNoClear!+
                DlgNoOk!+DlgNoCancel!;
                xpos;ypos+ScrnMode;w;h)
            Endif
        Endif
    Endif
Endif
If(Buttons = 1)        ///OK
    DlgControl(CtrlPushButton!;" OK ";;w-15;h-2)
    DlgControl(CtrlPushButton!;" OK ";;w-15;h-2)

    xposS1=0
    xposS2=0

    xposH1=0
    xposH2=0

    xposQ1=xpos+w-15
    xposQ2=xpos+w-4

    yposS1=ypos+h-2
Else
    If(Buttons = 2 or Buttons = 3)
        If(Buttons = 2)        // OK QUIT

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DlgControl(CtrlPushButton!;;" OK ";;w-25;h-2)

DlgControl(CtrlPushButton!;;"Quit...[Bold On]Esc[Bold Off]";;StyCancel!;w-15;h-2)

xposS1=xpos+w-29
xposS2=xpos+w-18

xposH1=0
xposH2=0

xposQ1=xpos+w-15
xposQ2=xpos+w-4

yposS1=ypos+h-2
ShowPosition(xposS1+3;yposS1+ScrnMode)
Else
DlgControl(CtrlPushButton!;;" Continue ";;StyDefault!;w-29;h-2)

DlgControl(CtrlPushButton!;;"Quit...Esc";;StyCancel!;w-15;h-2)

xposS1=0
xposS2=0

xposH1=0
xposH2=0

xposQ1=0
xposQ2=0

yposS1=0
Endif
Else
If(Buttons = 4)
DlgControl(CtrlPushButton!;;" Hint...[Bold On]F1[Bold Off]";;w-29;h-2)
DlgControl(CtrlPushButton!;;" Hint...[Bold On]F1[Bold Off]";;w-29;h-2)

DlgControl(CtrlPushButton!;;"Quit...[Bold On]Esc[Bold Off]";;StyCancel!;w-15;h-2)

xposS1=0
xposS2=0

xposH1=xpos+w-29
xposH2=xpos+w-18

xposQ1=xpos+w-15
xposQ2=xpos+w-4

yposS1=ypos+h-2
Else
If(Buttons = 5)
DlgControl(CtrlPushButton!;;"Show Me...[Bold On]Ctrl+S[Bold Off]";;w-49;h-2)
DlgControl(CtrlPushButton!;;"Show Me...[Bold On]Ctrl+S[Bold Off]";;w-49;h-2)

DlgControl(CtrlPushButton!;;" Hint...[Bold On]F1[Bold Off]";;w-29;h-2)

DlgControl(CtrlPushButton!;;"Quit...[Bold On]Esc[Bold Off]";;StyCancel!;w-15;h-2)

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xposS1=xpos+w-49
xposS2=xpos+w-32

xposH1=xpos+w-29
xposH2=xpos+w-18

xposQ1=xpos+w-15
xposQ2=xpos+w-4

yposS1=ypos+h-2
Else
  If(Buttons = 6)
    DlgControl(CtrlPushButton!;;
      "Show Me...[Bold On]Ctrl+S[Bold Off]";;w-20;h-4;10;1)
    DlgControl(CtrlPushButton!;;
      "Show Me...[Bold On]Ctrl+S[Bold Off]";;w-20;h-4;10;1)

    DlgControl(CtrlPushButton!;;
      " Quit...[Bold On]Esc[Bold Off] ";;StyCancel!;w-20;h-2;10;1)

    xposS1=xpos+w-20
    xposS2=xpos+w-3
    yposS1=ypos+h-4

    xposQ1=xpos+w-20
    xposQ2=xpos+w-3
    yposQ1=ypos+h-2
  Else
    xposS1=-1
    xposS2=-1

    xposH1=-1
    xposH2=-1

    xposQ1=-1
    xposQ2=-1

    yposS1=-1
  Endif
Endif
Endif
Endif
Endif
  ForNext(x;1;tbox[0])
    DlgControl(CtrlLabel!;;tbox[x];;2;x;w-1;1)
  Endfor
DlgEnd
Return(Result)
ENDFUNC

```