Maintenance

Contents

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# List of procedures

**frmAdmin**

Private Sub btnalgorithm\_Click

Private Sub btnalgorithm\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnalgorithm.Click

'calls the sorting algortithm which is stored in mod1

Call TheSortingAlogorithm()

End Sub

Private Sub btnBack\_Click

Private Sub btnBack\_Click(sender As System.Object, e As System.EventArgs) Handles

btnBack.Click

'opens form start and close the admin form

frmStart.Show()

Me.Close()

End Sub

Private Sub btnDay\_Click

Private Sub btnDay\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDay.Click

'opnes frm daysettings

frmDaySettings.Show()

End Sub

Private Sub btnImport\_Click

Private Sub btnImport\_Click(sender As System.Object, e As System.EventArgs) Handles btnImport.Click

'tries to inport staff. if it failes then due to safeguards in Importstaff() it must be that there is an error

'with the csv so it reports that and quits the subroutine

Try

Call ImportStaff()

Catch

MsgBox("system cannot find staff.csv", , "Error")

Exit Sub

End Try

'if there was no problems with the staff csv but there were isues with the data then an error message will have been sent

'and the varialbe stopimport will be set to true meaning that the subroutine should stop.

If stopimport = True Then

stopimport = False

Exit Sub

End If

'tries to inport students. if it failes then due to safeguards in Importstudents() it must be that there is an error

'with the csv so it reports that and quits the subroutine

Try

Call ImportStudents()

Catch

MsgBox("system cannot find student.csv", , "Error")

Exit Sub

End Try

'if there was no problems with the student csv but there were isues with the data then an error message will have been sent

'and the varialbe stopimport will be set to true meaning that the subroutine should stop.

If stopimport = True Then

stopimport = False

Exit Sub

End If

'tries to inport student lesson information. if it failes then due to safeguards in ImportLessonsStudent() it must be that there is an error

'with the csv so it reports that and quits the subroutine

Try

Call importLessonsStudent()

Catch

MsgBox("system cannot find studentclasses.csv", , "Error")

Exit Sub

End Try

'if there was no problems with the studentclass csv but there were isues with the data then an error message will have been sent

'and the varialbe stopimport will be set to true meaning that the subroutine should stop.

If stopimport = True Then

stopimport = False

Exit Sub

End If

'tries to inport staff lesson information. if it failes then due to safeguards in ImportLessonStaff() it must be that there is an error

'with the csv so it reports that and quits the subroutine

Try

Call importLessonStaff()

Catch

MsgBox("system cannot find classslots.csv", , "Error")

Exit Sub

End Try

'if there was no problems with the classslots csv but there were isues with the data then an error message will have been sent

'and the varialbe stopimport will be set to true meaning that the subroutine should stop.

If stopimport = True Then

stopimport = False

Exit Sub

End If

End Sub

Private Sub btnResent\_Click

**frmAvailability**

Private Sub btnExit\_Click

Private Sub chklst\_ItemCheck

Private Sub frmAvailability\_Load

**frmDaySettings**

Private Sub btnBack\_Click

Private Sub cmbDay\_SelectedIndexChanged

Private Sub cmbEnd\_SelectedIndexChanged

Private Sub cmbNdays\_SelectedIndexChanged

Private Sub cmbStart\_SelectedIndexChanged

Private Sub frmDaySettings\_Load

Private Sub rad10min\_CheckedChanged

Private Sub rad5min\_CheckedChanged

Public Sub secondhalf

**frmStart**

Private Sub btnadmin\_Click

Private Sub btnAvailability\_Click

Private Sub btnExit\_Click

Private Sub frmStart\_Load

**mod1**

Public Function Getappointmentrec

Public Function GetDay

Public Function Getlesson

Public Function GetStaff

Public Function GetStaffAV

Public Function GetStudAV

Public Function GetStudent

Public Sub importLessonsStudent

Public Sub importLessonStaff

Public Sub ImportStaff

Public Sub ImportStudents

Public Function militarytime

Public Sub populateStartEndDaySettings

Public Sub Putappointment

Public Sub Putday

Public Sub Putlesson

Public Sub PutStaff

Public Sub PutStaffAv

Public Sub PutStudAv

Public Sub PutStudent

Public Sub SendEmails2

Public Sub sendemailspart1

Public Sub TheSortingAlogorithm

# List of variables

**Global variables**

Public Appointment As AppointmentsRec = Nothing

*mod1*

This variable is used to store appointment records when they are being manipulated by the program

Public Appointmentlength As Integer = -1

*mod1*

This variable is used to store the appointment length of the parents evening.

Public Day As DayRec = Nothing

*mod1*

This variable is used to store day records when they are being manipulated by the program

Public Lesson As LessonRec = Nothing

*mod1*

This variable is used to store lesson records when they are being manipulated by the program

Public NAppointment As Integer = -1

*mod1*

This variable is used to store the number of appointment records in the appointment.dat file

Public NDay As Integer = -1

*mod1*

This variable is used to store the number of day records in the day.dat file

Public Nlesson As Integer = -1

*mod1*

This variable is used to store the number of lesson records in the lesson.dat file

Public Nstaff As Integer = -1

*mod1*

This variable is used to store the number of staff records in the staff.dat file

Public NStaffAv As Integer = -1

*mod1*

This variable is used to store the number of staff availability records in the staffav.dat file

Public NStudAv As Integer = -1

*mod1*

This variable is used to store the number of student availability records in the studav.dat file

Public Nstudents As Integer = -1

*mod1*

This variable is used to store the number of student records in the students.dat file

Public Staff As StaffRec = Nothing

*mod1*

This variable is used to store staff records when they are being manipulated by the program

Public StaffAv As StaffAvRec = Nothing

*mod1*

This variable is used to store staff availability records when they are being manipulated by the program

Public stopimport As Boolean = False

*mod1*

this variable is used to store whether or not to stop an import due to errors in the data being inputed

Public StudAv As StudAvRec = Nothing

*mod1*

This variable is used to store student availability records when they are being manipulated by the program

Public studav2 As StudAvRec = Nothing

*mod1*

This variable is used to store student availability records when they are being manipulated by the program when 2 student availability records are being compared

Public student As StudRec = Nothing

*mod1*

This variable is used to store student records when they are being manipulated by the program

Public user As String

*mod1*

This variable is used to store the string that the user used as his network username

Public usertype As Byte = 0

*mod1*

This variable is used to store the user type of the user, 0 is not on the system 1 is a student and 2 is a student.

**Module-level variables**

**frmDaySettings**

Public change As Boolean = False

This variable is used to store whether or not the change was done by the user or by a piece of code triggering it self

Public change1 As Boolean = False

This variable is used to store whether or not the change was done by the user or by a piece of code triggering it self

**mod1.AppointmentsRec**

Public AppointmentNO As Byte

Public day As integer

Public StaffNO As integer

Public start As integer

Public studNO As integer

This set of variables is saved as a structure called appointments rec and is the format of an appointment record.

**mod1.DayRec**

Public DayNO As Byte

Public finish As Integer

Public Start As Integer

This set of variables is saved as a structure called dayrec and is the format of a day record.

**mod1.LessonRec**

Public LessonNO As Integer

Public StaffNO As Short

Public StudNO As Short

This set of variables is saved as a structure called lessonrec and is the format of a lesson record.

**mod1.StaffAvRec**

Public Appointment As Integer

Public Available As Boolean

Public Block As Byte

Public DayNO As Byte

Public staffAVNO As integer

Public StaffNO As Byte

This set of variables is saved as a structure called staffavrec and is the format of a staff availablility record.

**mod1.StaffRec**

Public admin As Boolean

Public Forename As String

Public staffID As String

Public StaffNO As Byte

Public Surname As String

This set of variables is saved as a structure called staffrec and is the format of a staff record.

**mod1.StudAvRec**

Public Appointment As Integer

Public available As Boolean

Public Block As Byte

Public DayNO As Byte

Public studAVNO As integer

Public StudNo As Short

This set of variables is saved as a structure called studavrec and is the format of a student avability record.

**mod1.StudRec**

Public Forename As String

Public StudID As String

Public StudNO As Short

Public Surname As String

Public Year As Byte

This set of variables is saved as a structure called studrec and is the format of a student record.

**Data type summary**

**Variables and parameters**

**Type As Type $%&!#@^ Implicit Total**

Boolean 6 6

Byte 10 10

Object 1 1

Other 47 47

Short 4 4

String, $ 22 22

String(), $() 7 7

Structure 15 15

integer 84 84

Total 196 0 0 196

**Summary Total %**

Numeric 104 53%

String 22 11%

Array 7 4%

Other 63 32%

**Total 196 100%**

**Glossary**

As Type: Variable declared with regular 'As Datatype' clause.

$%&!#@^: Variable declared with type character.

Implicit: Variable declared with no explicit datatype. Compiler decides type.