Procedure Generate Binus Festival

BEGIN

Inisialisasi List<difference> ,List<Room> ,List<shift> ,List<day> ,List<Binusian> ,List<Attendee> ,List<SchedulePriority> ,List<PublishSchedule> ,List<RoomID> ,List<Facility>, List<StudentSchedule>

STRM <- Semester

System <- Sistem Penjadwalan

FOR(x = 0 to LEN(List<UnPublishSchedule>))Do

IF(UnPublishSchedule(x)[STRM] = STRM AND UnPublishSchedule(x)[System] = System)

BEGIN

DELETE UnPublishSchedule(x) from List<Unpublishschedule>

END

END FOR

FOR(p= 0 to LEN(List<Campus>))Do

FOR(c = 0 to LEN(List<Location>) and Location(c)[Campus] = Campus )Do

FOR(s = 0 to LEN(List<Schedule>) and Schedule(s)[STRM] = STRM)Do

Multiply Total Day with Total Room and Total Shift as TotalMeetingClass from Schedule(s)

Fill ScheduleID, TotalMeetingClass as Priority from Schedule(s) into List<SchedulePriority>

END FOR

FOR(s = 0 to LEN(List<Schedule>) and Schedule(s)[STRM] = STRM and Schedule(s)[System] = System)

Fill All FacilityID, Room, Capacity and Room Priority from Facility into List<Facility>

Fill All Date from Schedule(s) into List<Date>

Get Date Total from List<Date>

Fill All StartTime,EndTime into List<Time> by Calculate all time range from StartTime plus ShiftDuration and postDuration until EndTime

Get Shift Total from List<Time>

IF(Schedule(s)[EvenlyDivideRoom]= 1)

BEGIN

Get Room Total by Calculate Room from RoomMapping(s)

END

ELSE BEGIN Get Room Total = 1 END

IF(Schedule(s)[EvenlyDivideDay]= 1)

BEGIN

Get Date Total = Date Total

END

ELSE BEGIN Get Day Total = 1 END

IF(Schedule(s)[EvenlyDivideShift]= 1)

BEGIN

Get Shift Total = Shift Total

END

ELSE BEGIN Get Shift Total = 1 END

Get All BinusianID,Difference,Campus into List<Binusian> by Calculating Data BinusianID

I <- 0

J <- 0

K <- 0

FOR(I to LEN(List<Room>)-1)

FOR(K to LEN(List<Shift>)-1)

FOR(J to LEN(List<Date>)-1)

Loop:

IF(NOT EXISTS ( List<PublishSchedule>[Room] = Room(I) and List<PublishSchedule>[Date] = Date(K) and List<PublishSchedule>[Shift] = Shift(J) ))

IF(Schedule(s)[Capacity] = “IGNORE CAPACITY”)

BEGIN

Get Binusian Total from List<Binusian>

Get All BinusianID,Difference,Campus from List<Binusian> into List<Attendee> by Count number until Number + (Binusian Total /(Date Total \* Shift Total \* Room Total))

END

ELSE IF(Schedule(s)[Capacity] = “USING BCS CAPACITY “ )

BEGIN

IF(Schedule(S)[Grouping]=”INDIVIDUAL”)

BEGIN

Get All BinusianID,Difference,Campus from List<Binusian> into List<Attendee> by Count number until Number+(Room(s)[Capacity])

END

ELSE

BEGIN

Get All BinusianID,Difference,Campus from List<Binusian> into List<Attendee> by Count number until Number+(Room(s)[Capacity]) or Count group number until group number + 1

END

END

ELSE IF(Schedule(s)[Capacity] >1)

BEGIN

IF(Schedule(S)[Grouping]=”INDIVIDUAL”)

BEGIN

Get All BinusianID,Difference,Campus from List<Binusian> into List<Attendee> by Count number until Number+(Room(s)[Capacity])

END

ELSE

BEGIN

Get All BinusianID,Difference,Campus from List<Binusian> into List<Attendee> by Count number until Number+(Room(s)[Capacity]) or Count group number until group number + Schedule(s)[Capacity]

END

END

IF(List<PublishSchedule>[BinusianID] = List<Binusian>)

BEGIN

DELETE List<Attendee>

BREAK;BREAK;BREAK;

END

ELSE IF(List<StudentSchedule>[BinusianID]!= List<Binusian> and List<StudentSchedule>[BinusianID][Room]!= Room(I) and List<StudentSchedule>[BinusianID][Date]!= Date(J) and List<StudentSchedule>[BinusianID][Shift]!= Shift(K))

BEGIN

GET NEWID = MAX(PublishScheduleID) + 1 FROM LIST<PublishSChedule>

SELECT NEWID, Topic,Date,Facility\_ID,StartTime,EndTime from Date(J), Room(I), Shift(K), INTO List<PublishSchedule>

SELECT NEWID, BinusianID from List<Attendee> into List<StudentSchedule>

DELETE data from List<Attendee>

GET number = 0, group number = 0

END

ELSE

BEGIN

DELETE data from List<Attendee>

Go To Loop

END

DELETE data from List<Attendee>

J <- J + 1

END FOR

J <- 0

K <- K + 1

END FOR

J <- 0

K <- 0

I <- I +1

END FOR

IF( COUNT(List<StudentSchedule(PublishSchedule(s)[PublishScheduleID])>[BinusianID]) < Count(List<BInusian>[BinusianID]))

BEGIN

SELECT SYSTEM , CAMPUS(p), DIFF = Count(List<BInusian>[BinusianID]) - COUNT(List<StudentSchedule(PublishSchedule(s)[PublishScheduleID])>[BinusianID]) INTO List<Difference>

END

DELETE data from List<Room>,List<Shift>,List<Date>, List<Binusian>, List<Attendee>

Number <- 0

Group Number <- 0

S <- S + 1

END FOR

S <- 0

C <- C + 1

END FOR

S <- 0

C <- 0

P <- P + 1

END FOR

END

FOR(x = 0 to LEN(List<PublishSchedule) and PublishSchedule(x)[EventType]= “Workshop”)

GET NEWID = MAX(PublishScheduleID) + 1 FROM LIST<PublishSChedule>

SELECT NEWID, Topic,Date,Facility\_ID,StartTime,EndTime,”Visitor” from List<PublishSchedule> INTO PublishSchedule

SELECT NEWID, BinusianID from List<BInusian> INTO StudentSchedule

END FOR

=====MAKE VISITOR DATA FROM CONTRIBUTOR WORKSHOP======

===== INSERT DATA TO REAL =======

DELETE data from List<PublishSChedule> by Join Data from PublishSchedule

DELETE data from List<StudentSchedule> by join Data from StudentSchedule

SELECT DATA FROM List<PublishSchedule> INTO PublishSChedule

SELECT DATA FROM List<StudentSchedule> INTO StudentSChedule

SELECT All Configuration from Configuration into MsPublishSystem