Project Team G2-T14
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Assumptions on Business Rules made / derived attributes:

- Public user don't have an account, which is shown by the 'signed out as' relationship from VMS account to public user, but they can perform a search for the volunteer activity or view posts. Hence, it would be good to include Public User to show the necessary function. Also, a Public User will have a unique Log_History that consists of the 'Time' and "Date' that will be recorded.

- VOs must have at least one RU

- Total number of volunteer hours and total number of volunteer hours per VO can be viewed under "History of Past Activity" as they can explicitly be part of the history entity based on its context.

- A volunteer activity can be advertised in 0, 1 or more posts.

- Only affiliated RUs will be able to register for a volunteer activity and upon acceptance and completion, their number of volunteer hours (including per VO) will be recorded in the VMS.

- Minimum_Educational_Qualification is an information used for posting with activities, whereas Minimum_Required_Qualification is a benchmark for registering into activity.

- There is only a link between affiliated (RUs) and register (and the relationship between RU and register is omitted) as the VMS will only allow affiliated RUs with at least one organising VO to register for an activity.

- Total_Number_Of_Volunteer_Hours is a derived attribute from the Number_Of_Hours_Contributed (which is per activity) as you can add up all the hours contributed for each individual activity to get the total hours that the RU has volunteered.

- Date_Range is a derived attribute from the attributes 'Start_Date', 'End_Date' as it shows the range of dates that the post is posted.

VMS ACCOUNT
_Account_Name_
Person_Name
Account_Password
Primary_Contact_Number
{Additional_Contact_Number}
Number_Type
Person_Type

Signed_out_as

PUBLIC USER
_Log_History(Date Time)_

Person_Type=

d

"S"   "V"   "R"

SEARCH
Date
{Interest_Category}
Name
Organising_VO

VOLUNTEER ORGANIZATION ADMINISTRATOR
Serial_Number_of_Token

SYSTEM ADMINISTRATOR
Job_Grade
Extra_Account_Password

AWARD
_Issuing_VO_
Name
Date
Award_Type

REGISTERED USER
Highest_Education_Qualification
{Interest_Category}
Registered_Activities
Awards

Announcement

Represent   Appointment_Title

Volunteered

COURSE
_Course_ID_
Name
Description
Organizing_VOID

RUN
_Run_ID_
Start_Date
End_Date
[No_of_Teaching_Hours]

Creates

Organizing_VOID

VOLUNTEER ORGANIZATION
VOID
Name
VOID_Parent

Record

HISTORY OF PAST ACTIVITY
_Activity_Entry(Name_Date)_
Number_Of_Hours_Contributed
[Total_No_Of_Volunteer_Hours]
Total_No_Hours_Per_VO

Completed_and_Recorded

Is parented by

ENDORSEMENT
Course
Organizing_VO
In_Charge(VOA,
Date_Of_Endorsement)
Endorsement_Status

POST
_VO_Posted_
_Date_Time_
Start_Date
End_Date
[Date_Range]

AFFILIATION RU
Affiliated_VO
Affiliated_Date

REGISTRATION
{Registration_of_Interest}
Acceptance_Status

Recommend

VISIBILITY
Visibility_Setting

Minimum_Required_Qualification

VOLUNTEER ACTIVITY
Name
Date

Advertises

Minimum_Educational_Qualification
{Interest_Categories}
Activity (Name, Date)