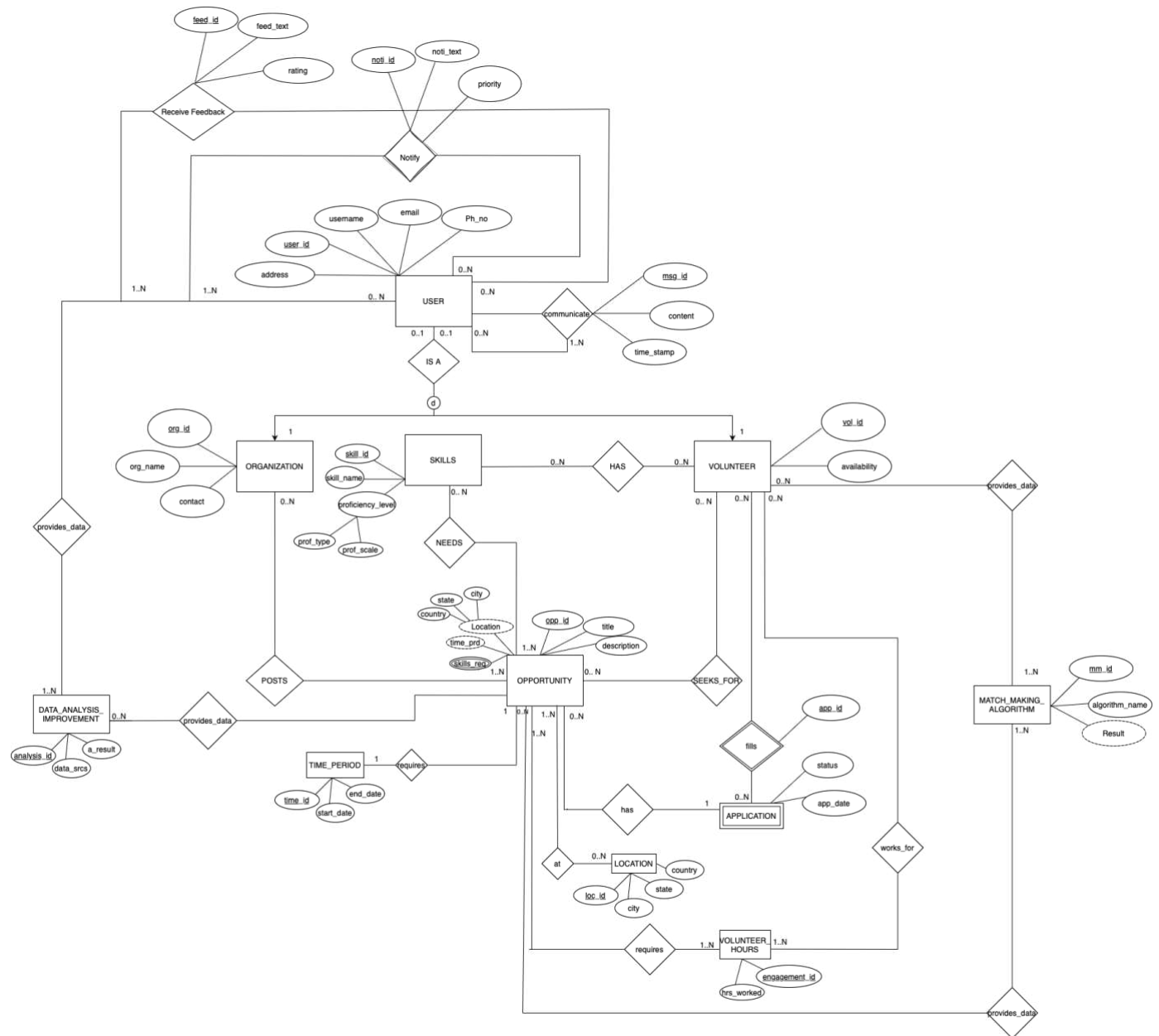# EER MODEL

EER MODEL - VOLUNTEER MATCHMAKING SYSTEM

UML MODEL

UML CLASS DIAGRAM: VOLUNTEER MATCH MAKING SYSTEM

FEEDBACK
- -Feedback_ID : String
- -Feedback_text:String
- +Rating: Integer

- +RecieveFeedback()
- +GiveFeedback()

COMMUNICATION
- -Message_ID:Integer
- -Content:String

- +SendTextMessage()
- +RecieveTextMessage()

NOTIFICATION
- -Notification_ID: Integer
- -Notification_Text:String
- -Priority:Integer

- +Recieve Notification()

USER
- -User_id:Integer
- -Username_and_Password:String
- -[0...2]Email_address:String
- -Phone_number::Integer
- -Address:String

{disjoint;overlap}

ORGANIZATION
- -Organisation_id:String
- +Organisation_name :String
- +Contact_details: String

VOLUNTEER
- -Volunteer_id:String
- +Availability:String

SKILLS
- -Skill_id:String
- +Skill_name:String
- +Proficiency_level:Integer
- -/Opportunity_ID:Integer

OPPORTUNITY
- -Opportunity_ID:String
- +Title:String
- +[0...*]Skills_required:String
- +/Location:String
- +Description:String
- +/Time_period:String

- +PostOpportunity()

TIME_PERIOD
- -Time_id:Integer
- +Start_date:Date
- +End_date:Date

LOCATION
- -Location_id:String
- +City:String
- +State:String
- +Country:String

APPLICATION
- +Status:String
- +Application_date:Date

- +CreateApplication()

APP_ID

MATCH_MAKING_ ALGORITHM
- -MM_ID:String
- +Algorithm_name:String
- /Result:String

- +GetmatchingResult()
- +GetData

DATA_ANALYSIS_AND_ IMPROVEMENET
- -Analysis_id:String
- +Data_sources:String
- +Result:String

- +Getdata()
- +GetResult()

VOLUNTEER_HOURS
- -Engagement_id:String
- -Hours_worked:I Integer

GIVES, MAKES, RECIEVES, BELONGS TO, REQUIRES, POSTS, SEEKS FOR, LOCATED AT, FILLS, PROVIDES DATA, PROVIDES

1...* 0...1 0...1