Group 4 - Polling System Diagram

```
Poii
                      Guest
                                                                                                            poll ID : String {id}
                                                                                                            poll title: String
Load profile(profile: Profile)
                                                                                                            poll text: String
Load polls()
                                                                                                            child friendliness: Binary
+sign up(user name: String
                                                                                                            due date: Date
        user mail: String
                                                                                                            bet points: Dictionary Member, Unsigned int>
        user passwork: String
                                                                                                            true answer: String
        user birthday: String
                                                                                                            open status: Binary
                                                                                                            tag list: List<Tag>
check leaderboard(tag: Tag)
                                                                                                            + Get ID(): String
                                                                                                            + Get due date(): Date
                    Member
                                                                         Cre ate
                                                                                                            + Get correct answer(): String
user ID: String {id}
                                                                                                            + Set correct answer(name : String)
user name: String
                                                                                                            + Set due date(due date: Date)
user mail: String
                                                                                                            + Set bet points(bet points: Unsigned int)
user password: String
                                                                                                            + Set poll title(title: String)
user birthdate: String
                                                                                                            + Set poll text(text : String)
user age: Byte
                                                                                                            + Check child friendliness():binary
                                                                           -Moderate
subscribed tags: List<Tag>
                                                                                                            + Get tag list(): List<Tag>
score per tag: Dictionary<Tag,Integer>
                                                                                                            + Add tag(tag: Tag)
rank per tag : Dictionary < Tag, Unsigned int>
                                                                                                            + Update tag info()
points: Integer
                                                                                                            + get betdict(): Dictionary<Member, Unsigned int>
voted poll list: List<Pol>
                                                                                                            + update betdict(user : Member
opened poll list: List<Poll>
                                                                                                                             bet Points: Unsigned int):
friend list: List<Member>
+Login(user name
                   : String
                                                                                 Discrete choice poll:
                                                                                                                                      Continuous choice poll
      user mail
                     : String
      user password: String)
+Create poll(poll title
                                  : String
                                                                     vote count dict: Dictionary<String, Integer>
                                                                                                                            date or string: Binary
                                  : String
             poll text
                                                                     vote dict: Dictionary <String, List<Member>>
                                                                                                                            votes dict: Dictionary<Member,String>
             poll type
                                  : Binary
             poll due date status: Binary
                                                                     + Add option(option : String)
                                                                                                                            + Add vote : (user : Member
             poll due date
                                  : Date
                                                                     + Increment option(option : String)
                                                                                                                                        vote: String)
             poll choice list
                                  : List<string>
                                                                     + Decrement option(option : String)
                                                                                                                            + Change vote: (user: Member
             bet point
                                  : Unsigned int)
```

+Vote in poll(poll: Poll)

+Close_poll(poll : Poll)

+ Update tag info(bet Point: Unsigned int

<String, List<Member>>)

vote dict: Dictionary

vote: String)

votes dict: Dictionary

+ Update tag info(true answer: String

```
+Comment poll(poll
                              : Poll
                comment: String)
     +Subscribe to tag(tag: Tag)
     +Report poll(poll
                        : Poll
                  message: String)
     +Logout()
     +Add friend(friend
                              : Member
                  request text: String)
     +Share stats(platform: Platform
                 tag ids : list<Integer>)
     +Share poll (platform: Platform)
     +Place bet (bet: Integer
                  poll: Poll)
                       Moderator
jury list: List<Jury>
tag list: :List<Tag>
+ Respond to jury request(decision : Binary
                                     : Poll) : Binary
                           poll
+ Vote in jury(juy : Jury)
+ Vote to close jury (jury: Jury)
+ update tags(tag list : List<Tag>, operationCode Integer)
                           Join
                           Jury
    admin: Moderator
    Start time: Time
    End time: Time
    member list: List < Moderator >
    poll: Poll
    closing poll vote: Integer
   + Set poll answer (answer : String
                      poll
                            : Poll )
   + Increment closing vote ()
   + Decrement closing_vote ()
   + End Jury()
```

```
<Member,String>)
                -belong-
                        Tag
tag ID: String {id}
tag Name: String
tag children friendliness: Binary
tag user point dict: Dictionary < Member, Integer>
tag user rank dict: Dictionary<Member,
Unsigned int>
update_user_ranks(tag user point dict: Dictionary
<Member, Integer>)
update user points(tag user rank dict:
Dictionary<Member, Unsigned int>)
```