Part1 Data collection of users

There are 3 type of data we want to collect from users.

- Basic information
 - 1. College
 - 2. Major/Minor
 - 3. Hall
 - 4. Society
 - 5. Gender
 - 6. Age
- Personal Information (Tick suitable one for hashtag)
 - Indoor
 - 1. Computer games
 - 2. Music
 - 3. Reading
 - 4. Revision
 - Outdoor
 - 1. Sports
 - 2. Photography
 - 3. Hiking
 - 4. Social Work
- What type of request would you like to accept
 - 1. Take photo
 - 2. Physical
 - 3. Mental (E.g. question or questionnaire)
 - 4. F2F

Part2 Request from Requester

The request would contain the following data.

- 1. Request problem from users
- 2. Type of request (type of request would you like to accept in part 1)
- 3. 0-3 hash tag (same as hashtag collected at the beginning)
- 4. Choose Method
 - 1. First-come-first-serve (open to all users)
 - 2. Best answer (System selected, formula in part3)
 - 3. Mixed mode
- 5. Payment (\$0 mean free to answer)
- For 2 and 3 methods, requester require to choose the time to wait for all system selected answerer to answer.

Part3 Idea of run system

If use method 2 and 3, the system would choose the N (N is selected by Requester) answerer to answer within Waiting Time (selected by Requester) which are N highest score.

where
$$k_1$$
, k_2 , k_3 are some constant.

Where k_1 , k_2 , k_3 are some constant.

Originally time k_1 if response time k_1 waiting time k_2 .

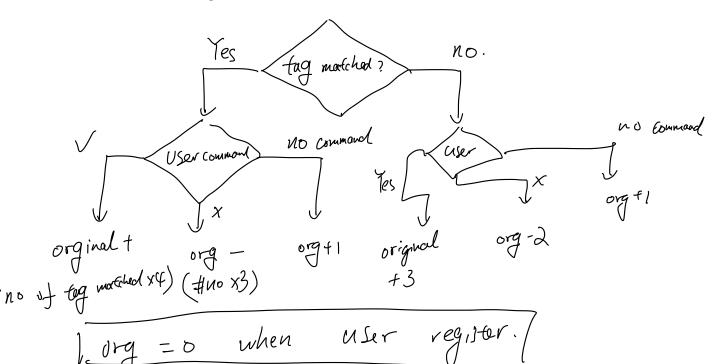
It is a constant.

Response time =
$$\begin{cases} k1 & \text{if } No \text{ record.} \\ \frac{1}{2} a_i \text{ if } No \text{ record.} \end{cases}$$

$$\frac{1}{2} a_i \text{ if } No \text{ otherwise.}$$

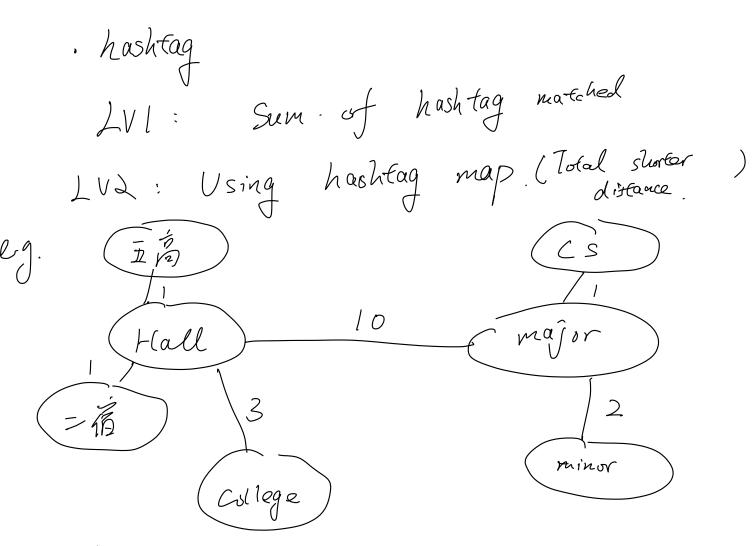
$$\frac{1}{2} a_i \text{ if } No \text{ otherwise.}$$

Depends on past experience



Part3 Idea of run system

If use method 2 and 3, the system would choose the N (N is selected by Requester) answerer to answer within Waiting Time (selected by Requester) which are N highest score.



R: #H-(all

Auswerorl: # CS

Ausweal distance: Wt1=11 11<12

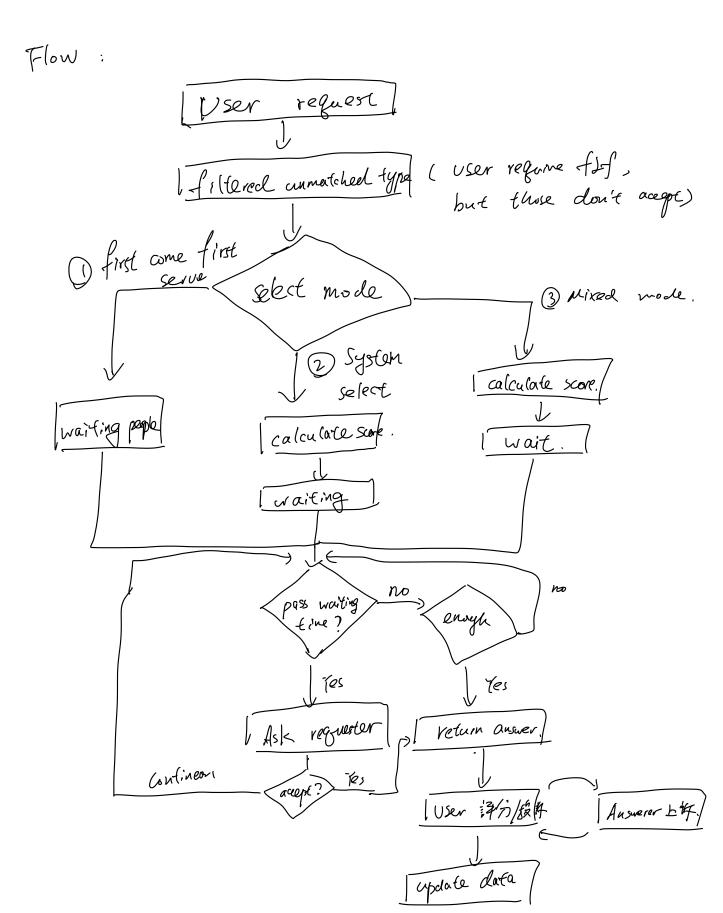
Answerd: of minor.

Ausward disconce = lotd = 12

: System select Answerer 1/

Part3 Idea of run system

If use method 2 and 3, the system would choose the N (N is selected by Requester) answerer to answer within Waiting Time (selected by Requester) which are N highest score.



Part 4 Example

- 1.
- Q: #CC #CS #Sports Waiting Time:10 mins #NO:3 RType: Q&A
- 1. #NA #COMM #MUSIC WT:5
- 2. #CC # IE WT:7
- 3. #CC #5high (hall in cc) WT:10
- 4. #UC #Science #CGames WT:5
- 5. #Shaw #Hall #Physciall WT:6
- 6. #Shaw #Photo WT:1