

CSC444 PROJECT DATA STRUCTURE PROPOSAL

Teenager

Teen ID	name	age	Home address	Email address	Cell phone	Prof pic	Bank account
1	ara	14	789	xx@a	623		
2	bob	15	666	yy@a	325		

Client (Notice that client require less info than teenager)

Client ID	name	Home address	Email	Cell phone	pic	Bank account
33	nancy	rr	1@3	33		
34	bill	cc	3@1	22		

Service_List

Service_ID	Service_Name	Description	Other info
11	Laundry	xxxx	
22	Cleaning	xxxx	

Teenager_Offer

Offer ID	Teen ID	Service_ID(can have multiple services from same teen)	Period (can have multiple periods for same teen and same service)
123	1	11	10 - 12
1234	1	11	13 - 14
124	1	22	10 - 13
3123	2	11	14 - 15

Client Request

Request ID	Client ID	Service ID	Period
1	33	11	10-11
2	33	11	12-13
3	34	11	14-15

To match, we can join offer table and request table on R.service_id = O.service_id and R.hour within O.hour

Match List

The table will be periodically update by rerun sql query. And insert (new result minus existed match) into list.

Match ID	Request ID	Offer ID	Status	
1	1	123	sent	
2	1	124	pending	
3	2	124	Accepted (once an accept is seen, the server will remove all corresponding request id and offer id from request list and offer list	

The matched result will then be joined with teenager table and rating table for re-ordering. E.g Order by client id, rating, teen_age

Accumulative rating

Default id	Person ID	Client/Teen (type)	#of rater	Avg rating
0	33 (if type= client then it is client id)	Client	100	3.5
1	1	Teen	123	7.0

Most Recent rating

Default ID	Person ID	Client/Teen	Service ID	Rater ID	Review/comment	Rating time
0	33	Client	11	1 (if person is client then rater will be teen)	"good!"	2017 09 15 , 7pm
1	33	Client	22	2	"bad!"	2017 09 15 , 8pm
2	1	Teen	11	33	"Very good!"	2017 09 15 , 9pm

Each person will keep only 10 records, once 10+1 is inserted, the oldest one will be removed

Admin List

Default ID	Username	Password	Access
0	super	111	Super admin
1	Normal	222	Admin

Account list

Default id	Username (unique)	password	Type	ID
0	sss	123	Client	33
1	ddd	321	Teen	1

Block List

Default ID	UserName	Block period	

Assistance List

Default ID	Client/Teen	Person ID	
0	Teen	1	