Group 5

Database Implementation Doc

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Introduction

List of Updated Database Tables for First Chance Saloon Website

Database Tables

user_profile

Table 1 user_profile, This table describes each user. The primary key is id, each user has email as unique identifier, with user_status_id as foreign key which links to communication and match status.

Field	Type	Primary	Foreign
id	int	Yes	
password_hash	Varchar(200)		
first_name	Varchar(50)		
surname	Varchar(100)		
email	Varchar(100)	(unique)	
date_of_birth	date		
gender_id	int		
gender_preference_id	int		
From_age	int		
To_age	int		
City_id	int		
county	Varchar(100)		
Travel_distance	int		
Relationship_type_id	int		
picture	blob		
my_bio	Varchar(1000)		
Black_listed_user	Tiny int		
Black_listed_reason	Varchar(100)		
Black_listed_date	date		
User_status_id	int		yes
is_administrator	boolean		

match_table

Table 2 match_table, This table lists the matches for a user, Primary Key for each match is id, with foreign keys(match_user_id_1, match_user_id_2, match_status_id) linking users and foreign key - communication_id identifying if there is a communication between matches

Field	Type	Primary	Foreign Key
id	int	yes	
match_user_id_1	int	(unique)	yes
match_user_id_2	int	(unique)	yes
match_date	datetime		
response_date	datetime		
user_id_1_interest_level	int		

user_id_2_interest_level	int		
communication_id	int		yes
match_status_id	int		yes
match_status_date	datetime		
system_generated_match	boolean		

user_communication

Table 3 user_communication, This table is the communications table between user, Primary Key for each communication is id, with foreign keys(from_user_id, to_user_id status_id) linking users and foreign key - black_listed_word_id identifying inappropriate communications made by users.

Field	**Type**	**Primary**	**foreign**
id	int	Yes	
from_user_id	int		yes
communication_datetime	datetime		
message	Varchar(140)		
status_id	int		yes
Status_date	date		
to_user_id	int		yes
replying_to_communication_id	int		
black_listed	boolean		
Black_listed_date	datetime		
Black_listed_word_id	int		yes

black_list_word

Table 4 black_list_words, This Table contains a list of black listed words, it is used by the user_profile to identtify an unsuitable user. Primary Key is id which is unique to each black listed word.

Field	**Type**	**Primary**
id	int	yes
word	Varchar(100)	unique

user_interests

Table 5 user_interests, This table contains the lists of interests a user has. Primary key is user_interest_id.

Field	**Type**	**Primary**
user_interests_id	int	yes
type	Varchar(100)	

interests

Table 6 interests, This Table contains a list of interests a user may have, it is used by the match table and user interests table. Primary Key is interest_id which is unique to each interest

Field	Type	Primary
Interest_id	int	yes
description	Varchar(200)	

Gender

Table 7 Gender Table, This is used by the user Profile table to identify the gender and gender preference of the User. Primary Key - id ,is an identifier for a gender type.

Field	Type	Primary
id	int	yes
Gender_name	Varchar(200)	

city

Table 8, The city Table, is unique to each user and identifies the location and location preference of match, Primary key is User_id

Field	Type	Primary
user_id	int	yes
city	Varchar(100)	
county	Varchar(100)	
geo_x	float	
geo_y	float	

relationship_type

Table 9 Relationship Type, is used by the user Profile table to identify the relationship type the user seeks. Primary Key - id, is an identifier for a relationship type.

Field	Type	Primary
id	int	yes
Relationship_type	Varchar(200)	

status

Table 10 Status_master Table, Primary Key - id, is an identifier for user status

Field	Type	Primary
id	int	yes
Status_description	Varchar(100)	(unique)
is_user_status	boolean	
is_match_table_status	boolean	
is_user_communication_status	boolean	