**Group 5**

Database Implementation Doc

Mary Cronin - 0510661

Adrian O Sullivan- 16230124

Deirdre Shanahan- 16230256

Cornelius Broderick – 9119124

Contents

[Introduction 3](#_Toc518321094)

[user\_profile 3](#_Toc518321095)

[match\_table 3](#_Toc518321096)

[user\_communication 4](#_Toc518321097)

[black\_list\_word 4](#_Toc518321098)

[user\_interests 4](#_Toc518321099)

[interests 4](#_Toc518321100)

[Gender 5](#_Toc518321101)

[city 5](#_Toc518321102)

[relationship\_type 5](#_Toc518321103)

[status 5](#_Toc518321104)

# 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 |  |