FALL SEMESTER 2020-21 CSE2004

DATABASE MANAGEMENT SYSTEMS

J-COMPONENT PROJECT

REVIEW 3

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TOPIC:ONLINE MATRIMONAL SYSTEM



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CHAPTER 1:INTRODUCTION:

Abstract

The main objective of an online Matrimonial System is to connect potential grooms and brides with a high level of compatibility.

The details and criteria a family expects can be given, and these will be used to ensure only the most probably matches are presented to the customers.

There are several drawback to the traditional way of going about this process, as will be seen in the following slide.

Online matrimonial system is used to overcome these drawbacks, by providing a much wider pool to pick from, and drastically simplifying the process of filtering out suitable matches.

- 1)Matrimony website will refer to a database which contains all the information of the user, and create a unique profile
- 2)Details such as caste, education, hobbies and occupation will be added to the profile.
- 3) Attributes of the profile will be use to search for and find matches
- 4)Users can search for profiles based on their preferences

PROBLEM DESCRIPTION:

- 1)Provide a wide set of options for potential brides and grooms.
- 2)Clearly display all relevant details of other candidates.
- 3) Create profiles for each user, with relevant details.
- 4)Store login details of user and link to profile.

- 5)Accept preferences of user.
- 6)Create search option for profiles.
- 7)Organize all user details in a database.

ADVANTAGES OF ONLINE MATRIMONAL SYSTEM:

Online matrimonial system is helps to search life partners according to one's expectations. There is a wide range of choice among which the bride or the groom can select the best one. Online matrimonial system is user friendly and safe. The bride or the groom can know about their partners by seeing the profile and further messaging. The system is convenient as well as economic. There is a lot of privacy which most of the people wish to have.

PROPOSED METHODOLOGY:

- 1)We intend to use a database of potential candidates, which stores information about them, related to the marriage criteria.
- 2)Clients will be able to view potential matches, selected based on common interests, or other traits.
- 3)Users can also search for matches using certain conditions or criteria.
- 4)The database will be able to search and recommend these matches, using SQL commands.

PROBLEMS WE FIX(LIMITATIONS OF TRADITIONAL METHODS):

- 1)There is access to only a very small pool of potential matches, reached by word of mouth through friends and relatives.
- 2) There is no way to view the profile of a person, with all details included.
- 3)Saves the trouble of having to visit multiple families in person.
- 4)Is much more cost effective.
- 5)Reduces amount of effort required.
- 6) Gives a higher chance of a successful match.

CHAPTER 2: MODULES AND ANALYSIS:

MODULES:

ADMIN MODULE:

- 1)The main functions of admin are Login, Manage user's account, logout
- 2) which include deativate account, delete account, add groom, bride stuff.
- 3) change password

USER MODULES:

- 1)User registration module:
- 2)in this module when user fill-ups first three registration from user will get a email id an will also get conformation message on his/her Email Id
- 3)After getting member id user will use his/her member id to login ,and user can modify his/her profile ,fill up remaining form of registration ,upload their images
- 4)image uploading
- 5)sending personal messages
- 6)searching

ENTITIES

- 1)Profile
- 2)User login
- 3)Search profile
- 4)Image gallery
- 5)Success story

ATTRIBUTES

#PROFILE:

- 1)Pro_id
- 2)Name
- 3)Email_id
- 4)Education
- 5)Caste
- 6)Country
- 7)Height
- 8)Occupation
- 9)Weight
- 10)Star

#USER LOGIN:

- 1)User_id
- 2)User_password
- 3)User_name

#SEARCH PROFILE

- 1)Profile_id
- 2)Search_pro_id

- 3)Marital status
- 4)Caste

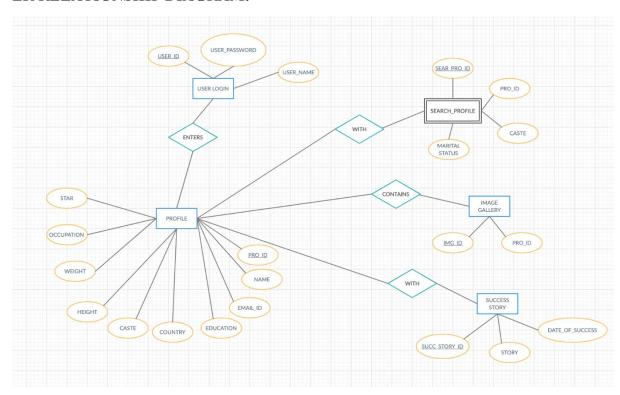
#IMAGE GALLERY

- 1)Pro_id
- 2)Img_id.

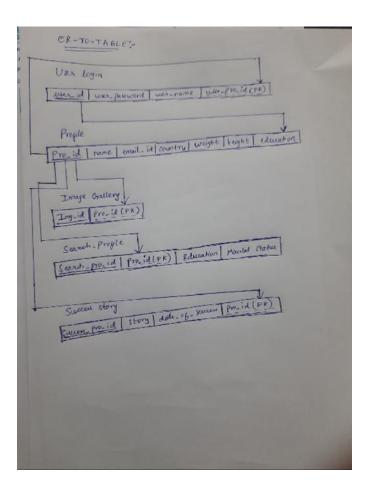
#SUCCESS STORY

- 1)Story
- 2)succ_story_id
- 3)Date_of_success

ER RELATIONSHIP DIAGRAM:



MAPPING ER TO RELATIONAL TABLE:



TOOLS USED:

- 1)The PHP languages is used to create the webpages.
- 2) Maria DB (a variation of MySQL) is used to store the details in a database.

The webpage accesses this data through a driver.

- 3)Xampp is a software bundle which consists of the above software, among others. It is used as a package to run the program and create the website.
- 4)The website can be accessed through a browser; Internet Explorer is used here.

MARIADB(a variation of MYSQL) CODE TO STORE THE DTAILS IN A DATABASE IN ORDER TO ACCESS FRONTEND WEBPAGE ACCESS THIS DATA THROUG A DRIVER:

LINK:

https://docs.google.com/spreadsheets/d/1PNctfesuk8Y8NAT-t82pUwxwgRKX8rLJAixpPXbi5c8/edit?usp=drivesdk

DATABASE CONDITIONS USED:

- 1)Primary key is given as profile id and user id for each user, and these are used to uniquely identify a profile as well.
- 2) For other tables, foreign keys which reference profile id are used.
- 3)Constraints are added to the table to keep the data consistent.

CHAPTER 3:SOFTWARE REQUIREMENTS:(FRONTEND AND WEBSITE SCREENSHOTS)

Online Matrimonial website helps to start match making website like shaadi or Bharatmatrimony. Matrimonial scripts are developed in PHP to create websites for planned marriages. HeavenRelations Online Matrimonial website script provides all features required for matrimonial website. The features include searching registered members, profile information, etc. User will be able to search, update, add/remove, and edit their profiles from database. In addition, users can also add/delete/change descriptions, upload images/photos.

FRONT END AND WEBSITE:

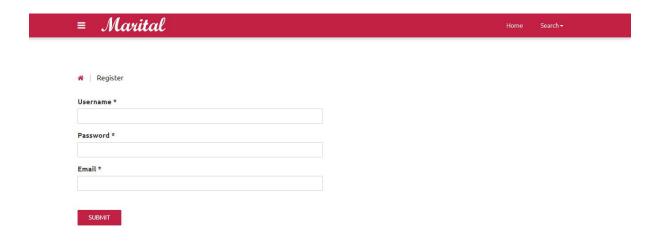
Software used:

1)HTML

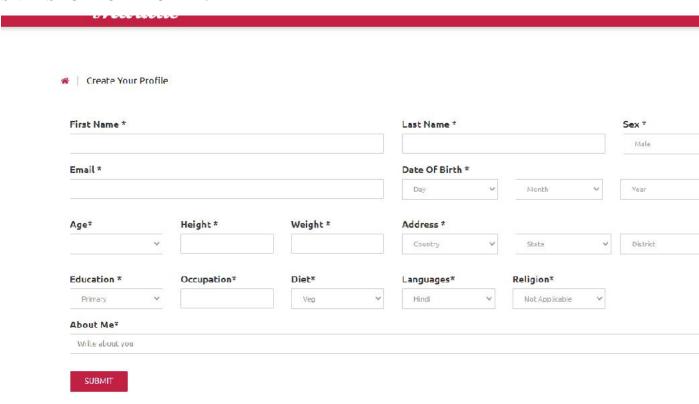
2)JavaScript

WEBSITE SCREENSHOTS:

SNAP SHOTS FOR REGISTER:



SNAP SHOT FOR PROFILE:



SNAP SHOT FOR VIEWING PROFILE:

■ Marital

Profile Id: 15



Name: Ganesh Rajan
Age / Height: 19 Years/170 Cm

Religion: Hindu
Country: India
Education: Degree



About Myself

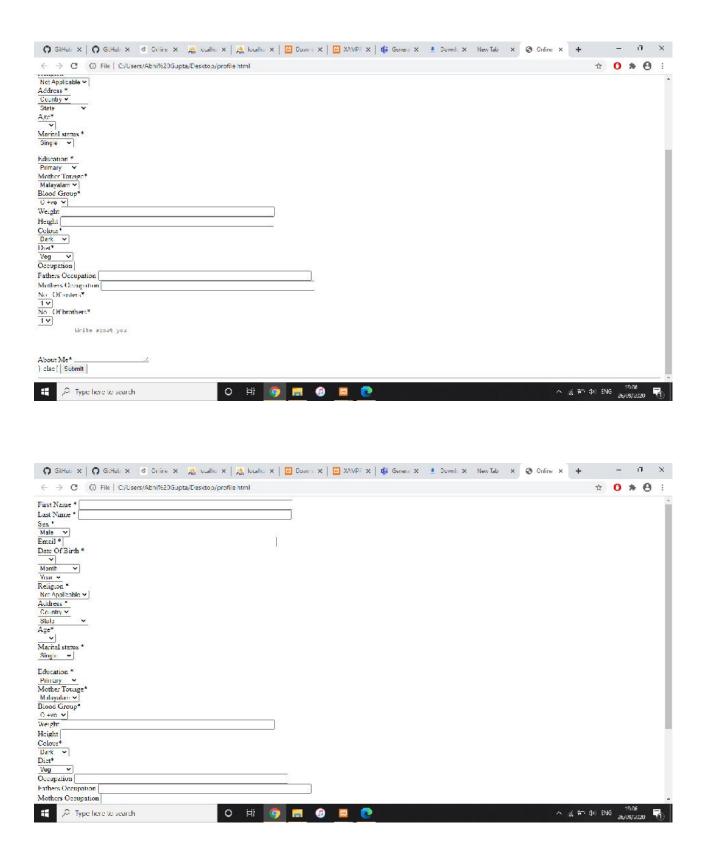
Partner Preference

About Me.

SNAP SHOT FOR PREFERENCES:

Partner Prefernce

Partner Preference		
My Ideal Partner would	l be	
Legendary		
		#
Age:	20 to 30	
Height	168 Cm	
Diel:	Veg	*
Religion:	Not Applicable	~
Languages:	Malayalam	~
Education:	Primary	~
Occupation :		
Country Of Residence:	Country	~
Update Preferences		



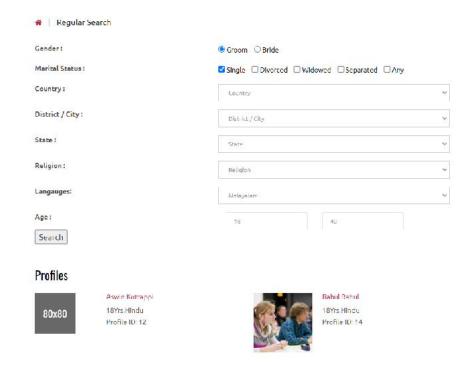
VIEW PREFERNCES:



SEARCH BY PROFILE ID:



REGULAR SEARCH FUNCTION:

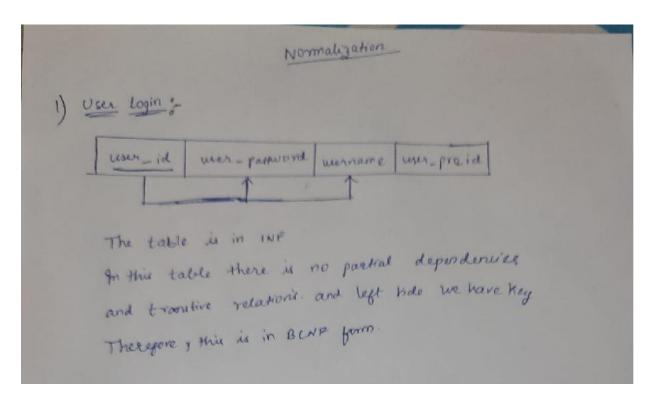


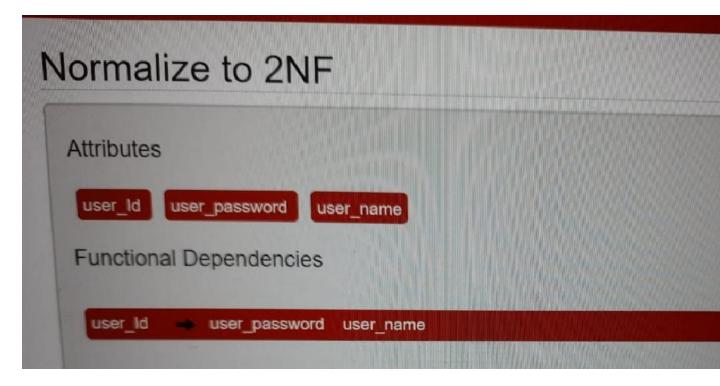
FUNCTIONALITY:

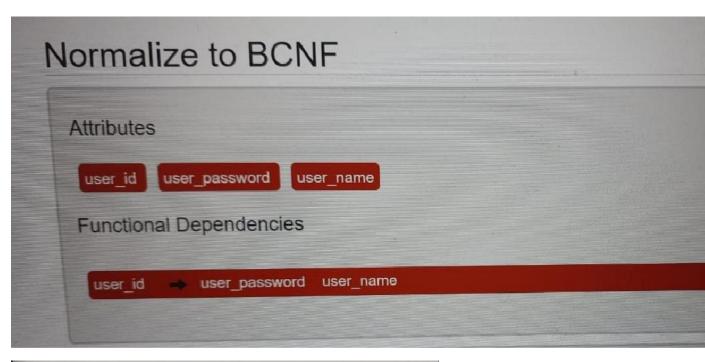
- 1)Program accepts registrations from new users, and creates profile for them.
- 2)Returning users may log in with their username and password.
- 3)Users can upload photographs, and enter details to complete their profile.
- 4)Users can enter preferences in their future bride or groom.
- 5)Search function enables users to search for profile matching their criteria, or matching a profile number. Stores photographs attached to all profiles, and displays to potential matches.

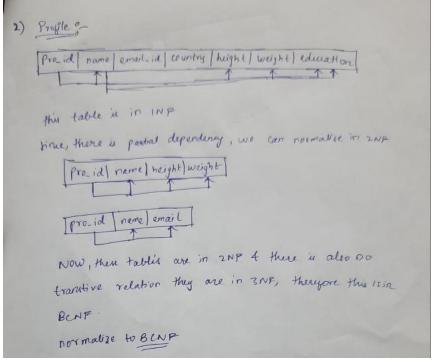
CHAPTER 4:

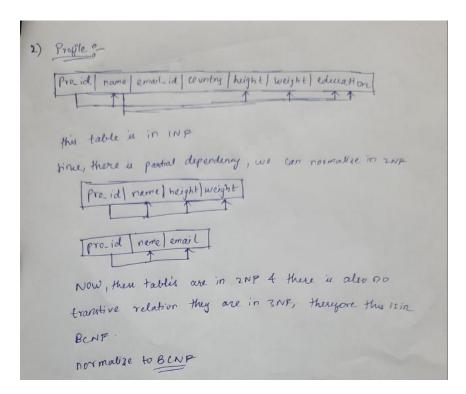
NORMALIZATION OF TABLES:

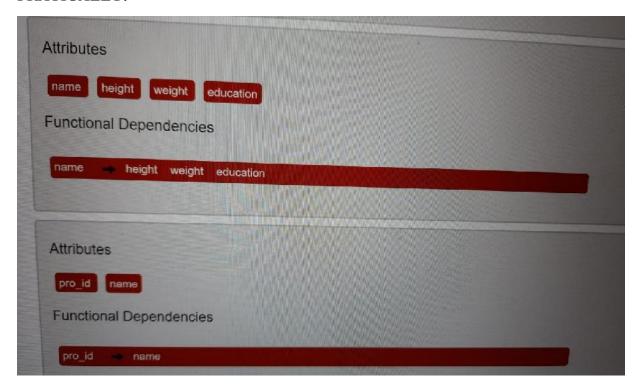


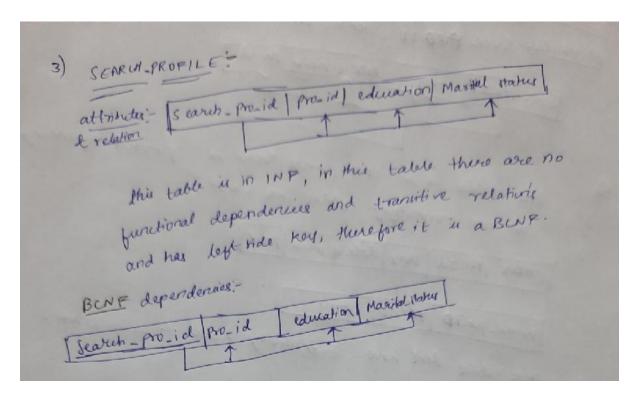


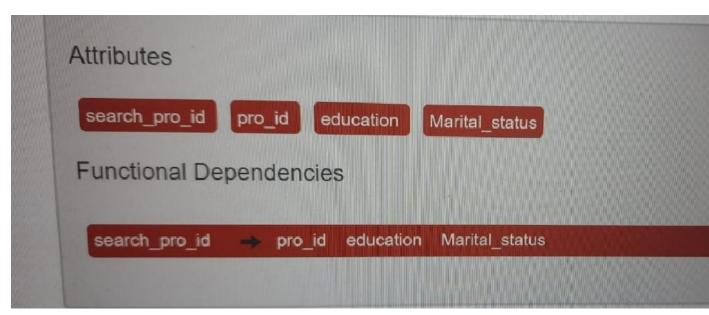


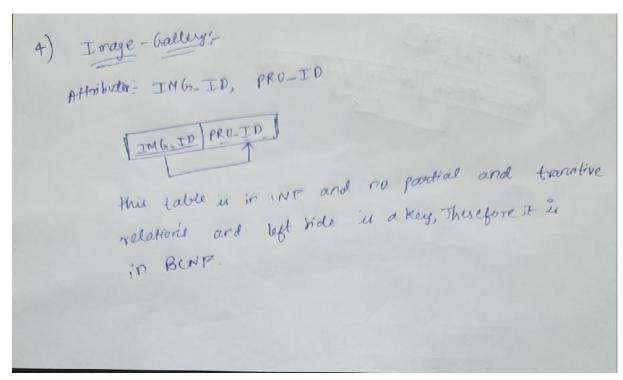


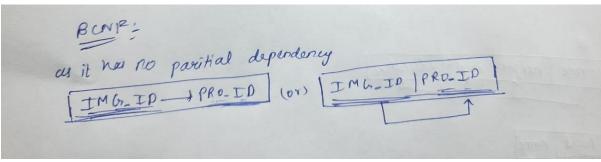


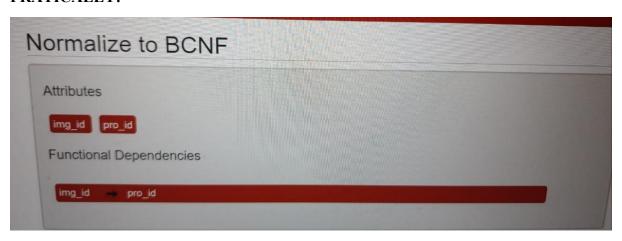


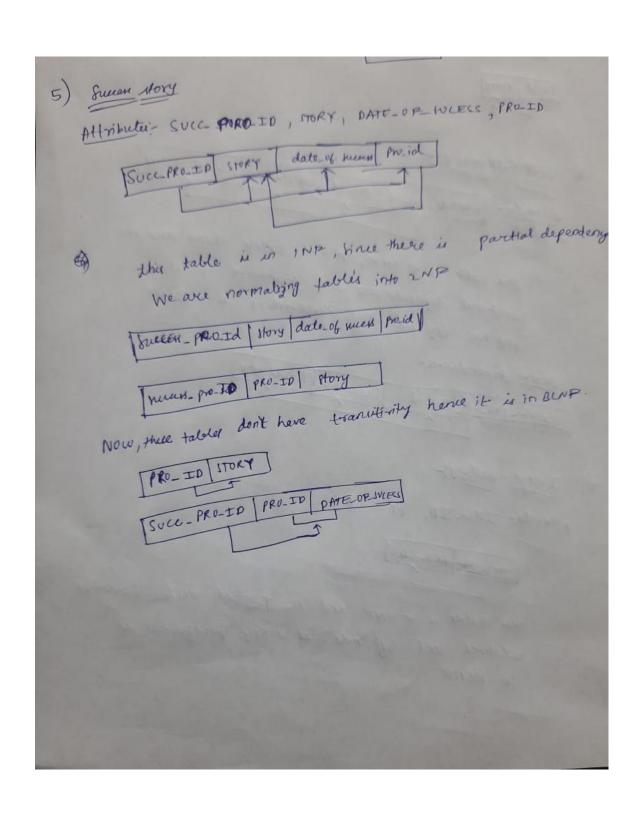


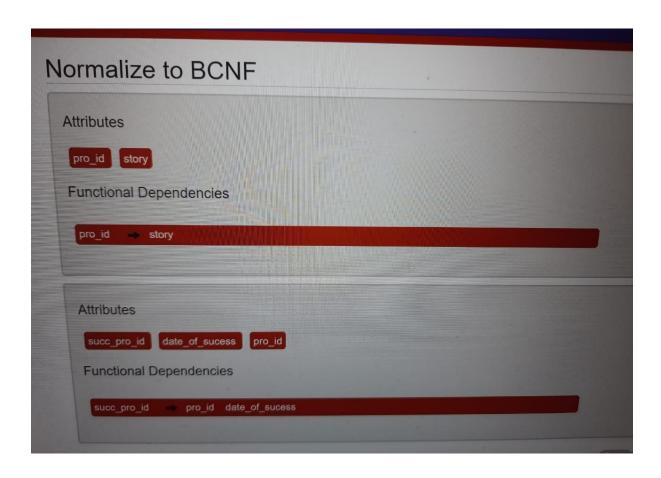












CHAPTER 5:

IMPLEMENTATION AND RESULTS:(SQL OUTPUT SCREENSHOTS BY TAKING SAMPLE INPUTS)

1)SQL software used to create databases of information 2)Tables are created for user login details, user profiles, images, preferences, etc. 3)User profile table consists of columns such as age, height, weight, caste, etc. 4)User preferences table contains criteria through which user would like to filter out potential matches 5)Images table stores the image links, associated to a profile via foreign key.

4.1 CREATE WITH CONSTRAINTS

create tables for entities ,user login, profile, image gallery, search profile, success story in SQL

```
SQL> create table user_login(
2 user_id number(5) primary key,
3 user_password varchar(10),
4 user_name varchar(10));

Table created.
```

```
SQL> create table profile(
    pro_id number(5) primary key,
  3 name varchar(20),
 4 email id varchar(50),
  5 caste varchar(10),
 6 country varchar(20),
    height varchar(30),
 8 weight varchar(30),
    education varchar(30),
  9
    salary number(30),
 10
 11 occupation varchar(10),
    gothram varchar(30),
 12
 13 star varchar(30));
Table created.
SQL> create table image gallery(
 2 img id number(5) primary key,
 3 pro id number(5),
 4 foreign key(pro id) references profile(pro id));
Table created.
SQL> create table search_profile(
  2 sear_pro_id number(5) primary key,
  3 pro_id number(5),
 4 education varchar(30),
 5 martial_status varchar(20),
    foreign key(pro_id) references profile(pro_id));
Table created.
```

```
SQL> create table success_story(
2 succ_pro_id number(5) primary key,
3 story varchar(30),
4 date_of_success date);
Table created.
```

Performing insert, delete ,alter,modify, group by,select,update,join select operations on tables

1)INSERT

Insert into user_login values(&user_id,'&user_password','&user_name');

Insert into profile

values(&pro_id,'&name','&email_id','&caste','&country','&height','&weight','&education',&salary,'&occupation','&star');

Insert into image_gallery values(&img_id,&pro_id);

Insert into search_profile values(&sear_pro_id,&pro_id,'&education','&marital_status');

Insert into success story values(&succ pro id,'&story','&date of success');

```
SQL> select * from user_login;

USER_ID USER_PASSW USER_NAME

12345 29sne sneha
67890 06rithu rithu
```

```
SQL> select * from profile;
   PRO_ID NAME
COUNTRY
                 HEIGHT
OCCUPATION GOTHRAM
     295 sneha
sne.kum@gmail.com
                                              gandla
                 5.5
india
  PRO_ID NAME
                                             CASTE
COUNTRY
                 HEIGHT
WEIGHT
                          EDUCATION
                                                           SALARY
CCUPATION GOTHRAM
 btech
oftware irupudimaharshi gemini
                                                           100000
```

2)ALTER: removes duplicates elements

```
SQL> alter table profile
2 modify email_id varchar(50) Unique;
Table altered.
```

3) DELETE

Deleting a row from search profile using where clause and delete command:

```
SQL> delete from search_profile where pro_id=166;

1 row deleted.

SQL> select * from search_profile;

SEAR_PRO_ID PRO_ID EDUCATION MARTIAL_STATUS

169 295 btechcivil waiting
```

4) UPDATE

Updating the search_profile to change the marital status of a profile user using their sear_pro_id:

```
SQL> update search_profile set martial_status='married' where sear_pro_id=169;

1 row updated.

SQL> select * from search_profile;

SEAR_PRO_ID PRO_ID EDUCATION MARTIAL_STATUS

169 295 btechcivil married
```

5)SELECT:

2024(1)		MINOR NA	V P407	ava av			
SQL> select	t * from p	rofile whe	re caste='g	andla';			
PRO_ID							
EMAIL_ID			-		CASTE		
COUNTRY		HEIGHT					
 WEIGHT			EDUCATION		-	SALARY	
						JALAKI	
OCCUPATION				STAR			
sne.kum@gma					gandla		
india		5.5					
PRO_ID	NAME		_				
EMAIL_ID					CASTE		
COUNTRY							
WEIGHT			EDUCATION		- 	SALARY	
OCCUPATION				STAR			
49 software	irupudima	harshi	btech	gemini		100000	

```
SQL> select * from user_login where user_name IS NOT NULL;

USER_ID USER_PASSW USER_NAME

12345 29sne sneha
67890 06rithu rithu

SQL> insert into user_login values(13579,'21roop',NULL);

1 row created.

SQL> select * from user_login where user_name IS NULL;

USER_ID USER_PASSW USER_NAME

13579 21roop
```

6)ORDER BY

Arrange all the users according to their user name in ascending and descending order:

```
SQL> select * from user_login order by user_name;

USER_ID USER_PASSW USER_NAME

67890 06rithu rithu
12345 29sne sneha

SQL> select * from user_login order by user_name desc;

USER_ID USER_PASSW USER_NAME

12345 29sne sneha
67890 06rithu rithu
```

7)JOIN:

```
SQL> select name,email_id,sear_pro_id from profile,search_profile where profile.pro_id=search_profile.pro_id;
NAME
                    EMAIL_ID
SEAR_PRO_ID
                    sne.kum@gmail.com
neha
                    sne.kum@gmail.com
sneha
rithu
                    rith.moh@gmail.com
       189
                    EMAIL_ID
NAME
SEAR_PRO_ID
rithu
                    rith.moh@gmail.com
       205
                    sne.kum@gmail.com
sneha
       233
neha
                    sne.kum@gmail.com
       235
6 rows selected.
```

```
SQL> select profile.name,image_gallery.img_id from profile,image_gallery,search_profile where profile.pro_id=search_profile.pro_id and image_gallery.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id and image_gallery.pro_id=search_profile.pro_id and image_gallery.pro_id=search_profile.pro_id and image_gallery.pro_id=search_profile.pro_id and profile.caste='gandla';

NAME IMG_ID

SQL> select distinct profile.name,image_gallery.img_id from profile,image_gallery,search_profile where profile.pro_id=search_profile.pro_id and image_gallery.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=search_profile.pro_id=se
```

8)SUBQUERIES:

```
SQL> select name,caste from profile

2 where pro_id=(select pro_id from image_gallery

3 where img_id=5);

NAME

CASTE

nitima

chowdary
```

9)AGGREGATE FUNCTIONS:

```
SQL> select count(*) from search_profile where martial_status='married';

COUNT(*)

1

SQL> select avg(height) from profile where country='india';

AVG(HEIGHT)

5.6

SQL> select min(user_id) from user_login where user_id between 12343 and 67895;

MIN(USER_ID)

12345
```

```
SQL> select max(user_id) from user_login where user_id between 12000 and 77000;

MAX(USER_ID)

67890

SQL> select length(user_id) from user_login where user_password='29sne';

LENGTH(USER_ID)

5
```

10)GROUP BY....HAVING:

11) STRING FUNCTION:

```
SQL> select replace (user_password,'o','O') from user_login;

REPLACE(US
------
29sne
06rithu
21r00p
```

```
SQL> select reverse(user_name) from user_login where user_password='29sne';
REVERSE(US
-----
ahens
```

CHAPTER 6:

CONCLUSION AND FUTURE WORK:

The matrimonial application provides a platform for the millions of families looking for a suitable marriage. As there are many factors involved in such an important decision, an application like this will be very helpful to a lot of people. Over time, the database can be improved and expanded, to contain more and more details, for an even better experience.

Finding a suitable bride or groom can be a very stressful experience. We aim to turn this around, and make it more fun and exciting.

Indian online wedding websites offers today's youngsters the freedom to search a soul mate from a million of wedding profiles, also a platform to communicate beyond geographical boundaries, and an opportunity to understand each other well before marriage. But, how the marriage actually fares depends completely on one's destiny. There have already been millions of people already on online matrimonial sites and this is mostly going to persist in the future too. As far as internet is concerned, in this fast moving world, this is going to be the future for centuries.

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