

**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE,  
PILANI**

**WORK-INTEGRATED LEARNING PROGRAMMES DIVISION**

**BITS-WIPRO Collaborative Program**

**B Tech (Information Systems)\_WIMS Batch**

**Third Semester 2018-2019**

**Assignment On:**

# **INSTAGRAM**

**By-**

- |                        |              |
|------------------------|--------------|
| ➤ Chetan Singh         | 2017HW86656  |
| ➤ Md. Saif Akhtar      | 2017HW86____ |
| ➤ Ashutosh Padhi       | 2017HW86512  |
| ➤ Anurag Patil         | 2017HW86590  |
| ➤ Gola Shrikant        | 2017HW86610  |
| ➤ Kota Amarendra Kumar | 2017HW86617  |

.

## Problem definition:

.....

> Today all the works and the advertisements are going through the social sites, so we have worked over the one named as INSTAGRAM.

> It is required to design of a user friendly automated design system. We have implemented a new concept into this.

## Purpose:

.....

> This document gives the detailed about how we can share the data with "#Tag" foreign key.

> It can be utilize by the developers so that a person shared the same details without opening another app through the foreign key.

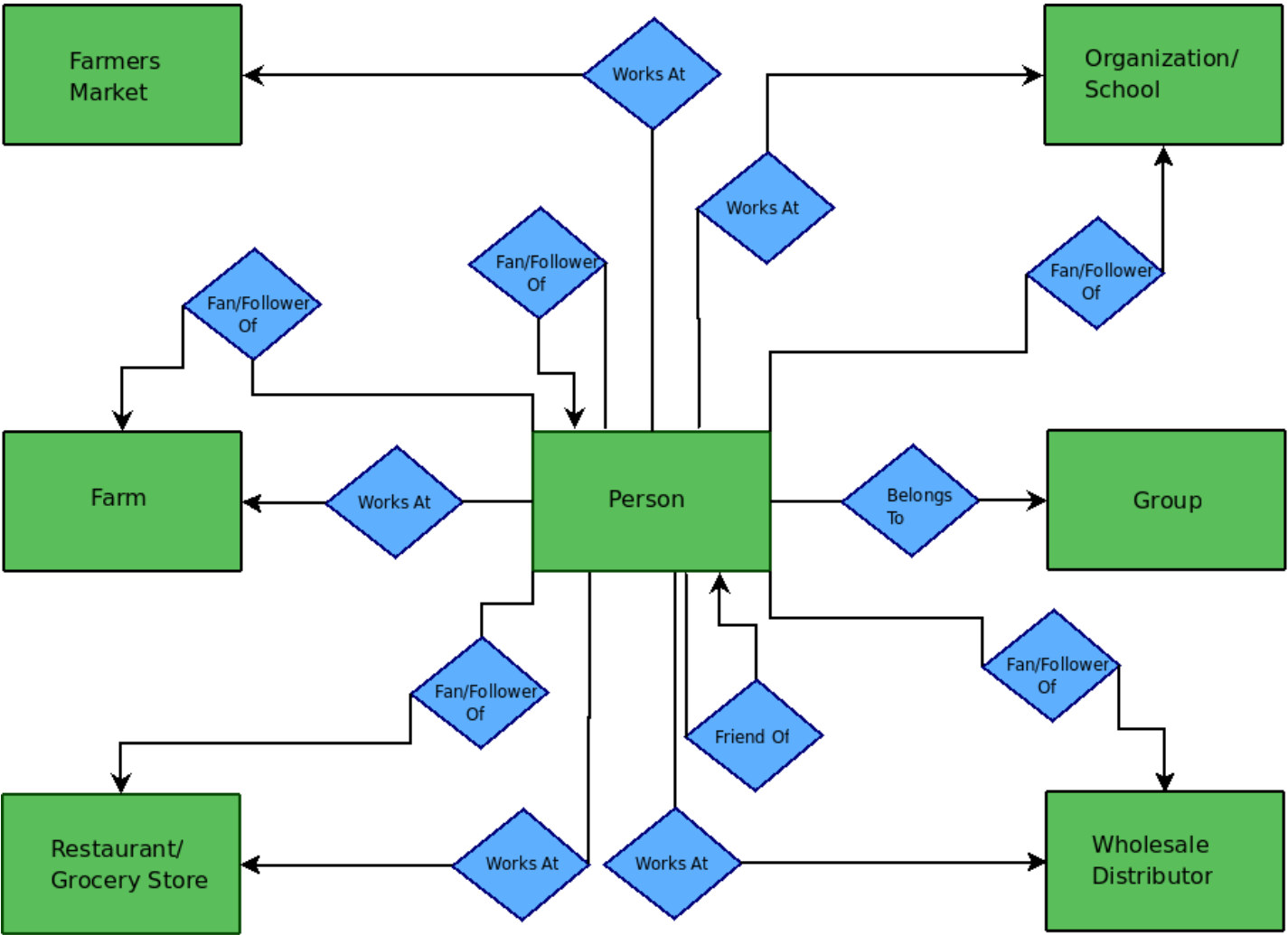
# SRS of Instagram Project

.....

- Instagram database contains data of multiple users.
- Each User has a unique ID(IN-id), name(IN-name) and mobile number (IN-contact)
- Every Instagram user has one management team.
- The management team manage different department where each department has its own unique department id (D-id) and department name (D-name).
- Each user has staff/space for pictures and videos.
- Every staff has their id where user can see the details.
- Every department has request committee through which he manages to send request to others.
- User has user id(IN-id) , user name (IN-name), DOB(IN-dob), Standard(IN-standard) and contact number (IN-contact).
- Each user can see/gather information about other members.

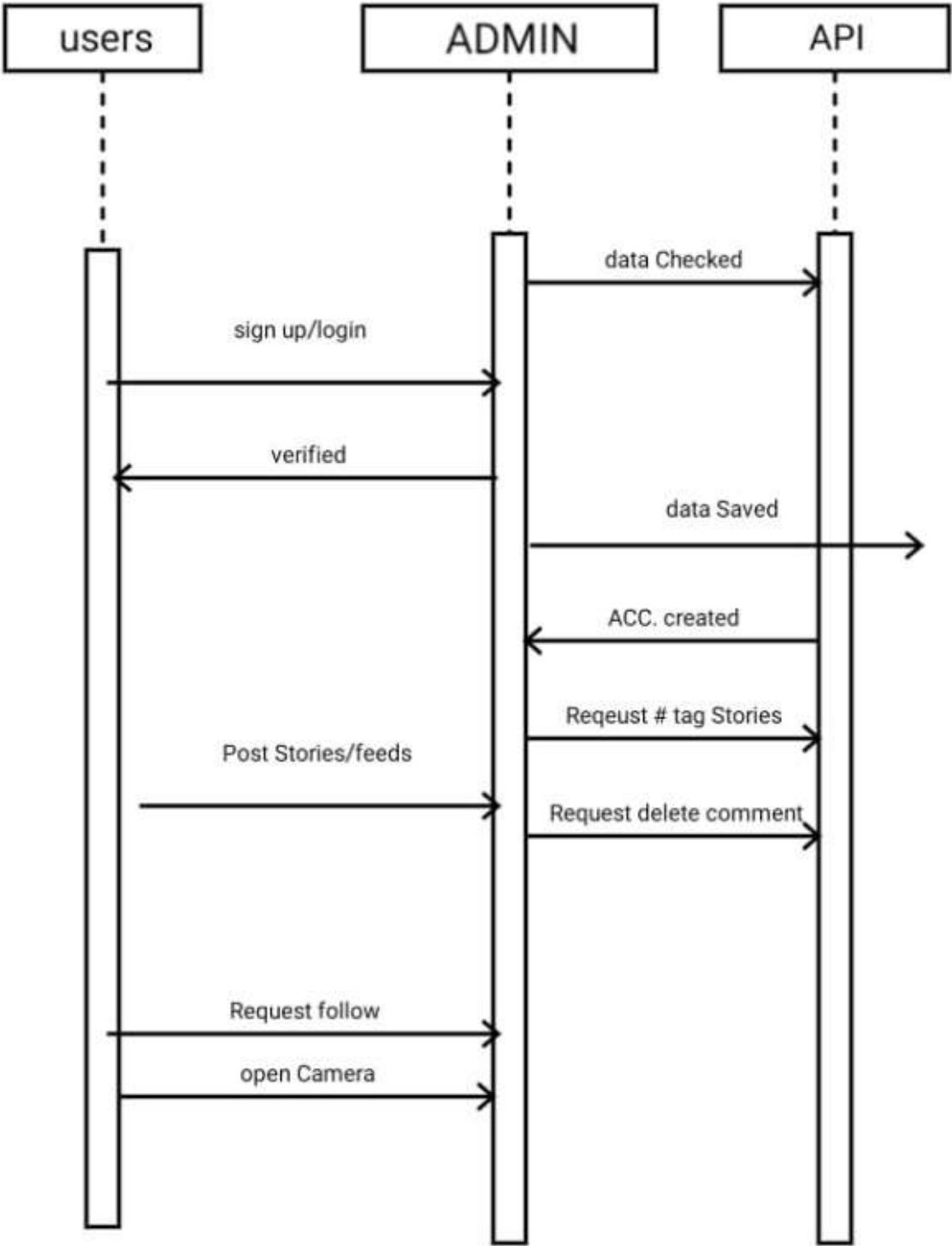
# ER-Diagram

.....



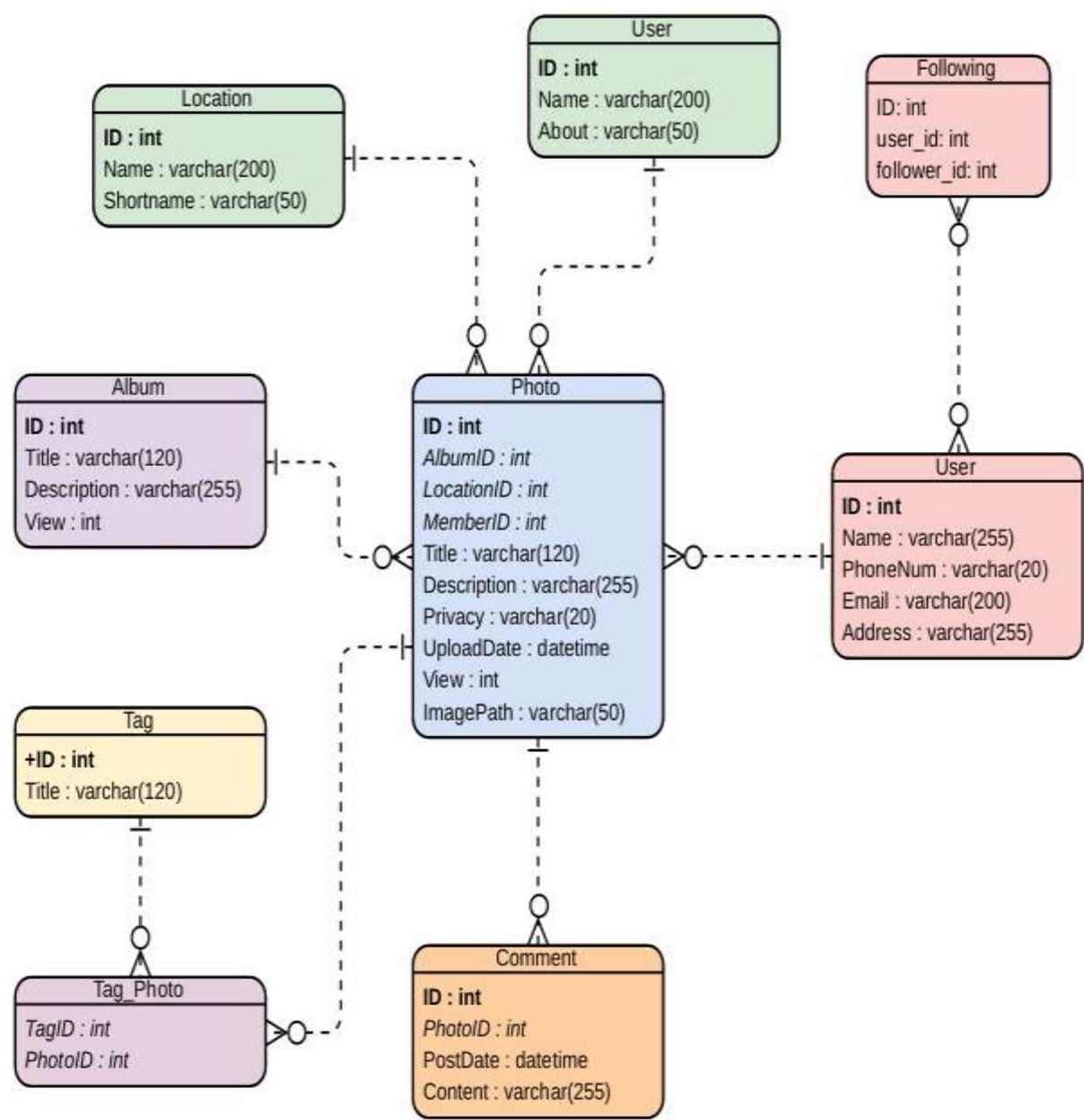
# Sequential Diagram of Instagram

.....



# Database Schema of Instagram's Photo(Sample)

.....



# Customer Tables

<div>User</div> <div><div>🔑 user_id: INTEGER</div><div>🔑 username: VARCHAR(30)</div><div>🔑 password: VARCHAR(30)</div><div>🔑 email_add: VARCHAR(32)</div><div>🔑 fullname: VARCHAR(30)</div><div>🔑 fb_id: INTEGER</div><div>🔑 twitter_id: INTEGER</div><div>🔑 profile_pic_url: VARCHAR(30)</div><div>🔑 privacy_level: BOOLEAN</div><div>🔑 tag_option: BOOLEAN</div></div>	<div>Followers</div> <div><div>🔑 uid: INTEGER</div><div>🔑 follower_id: INTEGER</div><div>🔑 timestamp: DATE</div><div>🔑 rejectdenyoption: INTEGER</div></div>	<div>Following</div> <div><div>🔑 uid: INTEGER</div><div>🔑 timestamp: DATE</div><div>🔑 following_id: INTEGER</div><div>🔑 rejectordenyoption: BOOLEAN</div></div>
	<div>Blocked_User</div> <div><div>🔑 blockingUID: INTEGER</div><div>🔑 blockedUID: INTEGER</div></div>	<div>Hidden_User</div> <div><div>🔑 hidingUID: INTEGER</div><div>🔑 hiddenUID: INTEGER</div></div>

# Simple Queries in Data Base

.....

## 1) Create Table for Instagram Customers:

Run SQL query/queries on database school: ?

1 CREATE TABLE `school`.`Insta\_Cust` ( `user-id` INT(20) NOT NULL ,  
`username` VARCHAR(20) NOT NULL , `password` VARCHAR(30) NOT NULL ,  
`email\_add` VARCHAR(100) NOT NULL , `full-name` VARCHAR(30) NOT NULL  
, `profile\_pic\_path` VARCHAR(100) NOT NULL , `tag` VARCHAR(4000) NOT  
NULL , PRIMARY KEY (`user-id`)) ENGINE = MyISAM;

ClearFormatGet auto-saved query

Server: MySQL:3306 » Database: school » Table: insta\_cust

BrowseStructureSQLSearchInsertExportImportPrivilegesOperations

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 user-id	int(20)			No	None			Change  Drop  More
<input type="checkbox"/>	2 username	varchar(20)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 password	varchar(30)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	4 email_add	varchar(100)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	5 full-name	varchar(30)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	6 profile_pic_path	varchar(100)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	7 tag	varchar(4000)	latin1_swedish_ci		No	None			Change  Drop  More

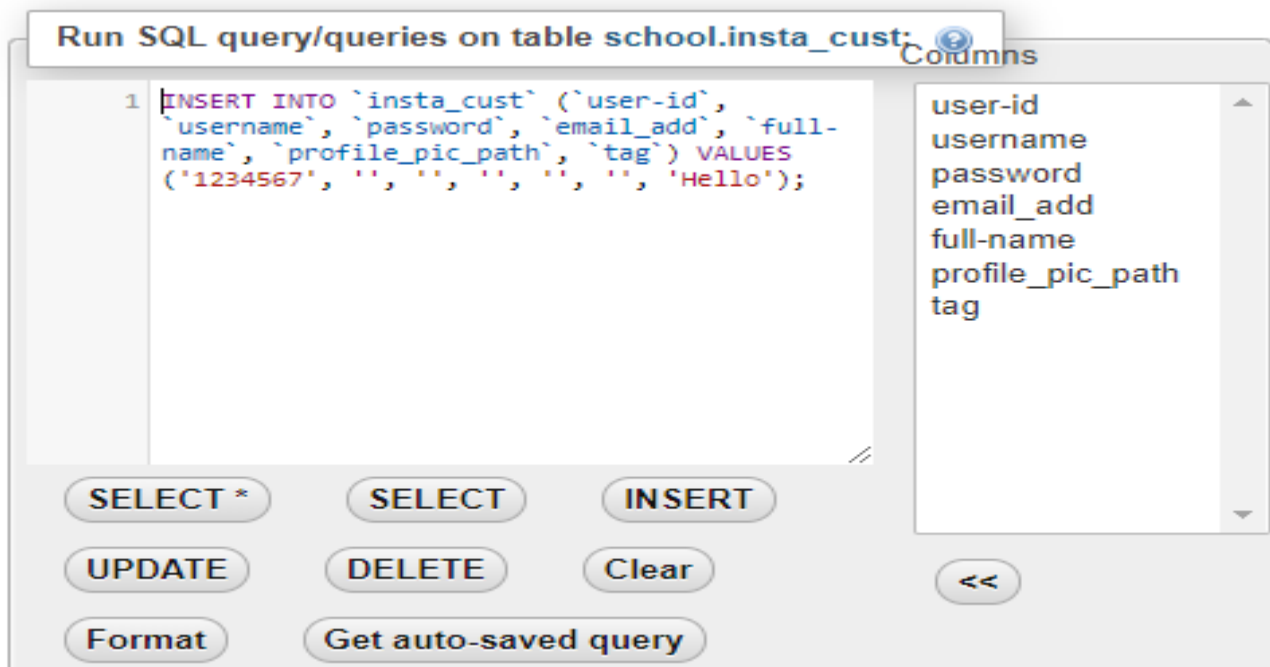
## 2) Creating Table for Facebook User:

Run SQL query/queries on table school.insta\_cust: ?

```
1 CREATE TABLE `school`.`Facebook_Cust` ( `user-id` INT(20) NOT NULL ,  
  `username` VARCHAR(20) NOT NULL , `password` VARCHAR(30) NOT NULL ,  
  `email_add` VARCHAR(100) NOT NULL , `full-name` VARCHAR(30) NOT NULL  
  , `profile_pic_path` VARCHAR(100) NOT NULL , `tag` VARCHAR(4000) NOT  
  NULL , PRIMARY KEY (`user-id`)) ENGINE = MyISAM;
```

Server: MySQL-3306 » Database: school » Table: facebook_cust										
Browse Structure SQL Search Insert Export Import Privileges Operations										
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/>	1 user-id	int(20)			No	None			Change	Drop  More
<input type="checkbox"/>	2 username	varchar(20)	latin1_swedish_ci		No	None			Change	Drop  More
<input type="checkbox"/>	3 password	varchar(30)	latin1_swedish_ci		No	None			Change	Drop  More
<input type="checkbox"/>	4 email_add	varchar(100)	latin1_swedish_ci		No	None			Change	Drop  More
<input type="checkbox"/>	5 full-name	varchar(30)	latin1_swedish_ci		No	None			Change	Drop  More
<input type="checkbox"/>	6 profile_pic_path	varchar(100)	latin1_swedish_ci		No	None			Change	Drop  More
<input type="checkbox"/>	7 tag	varchar(4000)	latin1_swedish_ci		No	None			Change	Drop  More

### 3) Inserting data into Tag field in 'Insta\_Customer':



### Entries Updated in Instagram:



#### 4) PLSQL query to transfer data from 'Insta\_Customer' to 'Facebook\_Customer':

- First we need to have the data(mentioned into TAG field) of the first table 'Cust\_ID' into a variable in PLSQL.
- Then move it through the process and insert/assign it to the 'Tag' field into 'string'.
- After once get the value of Tag into String, assign it again to the 'Tag' field of 'Facebook\_Cust' table.

```
DECLARE
    Cust_id  VARCHAR(30);
    string   VARCHAR(30);

BEGIN

    SELECT `tag` FROM `insta_cust` WHERE `user-
id`='1234567' FOR UPDATE OF string;

    IF user-id != NULL THEN

        UPDATE `tag` IN `facebook_cust` SET = string

            WHERE user-id = `1234567`;

    END IF;

    COMMIT;

END;
```

## 5) Showing data submitted successfully to 'Facebook\_Customer':

Run SQL query/queries on table school.facebook\_cust: Columns

```
1 SELECT `tag` FROM `facebook_cust` where `user-id`='1234567'
```

user-id  
username  
password  
email\_add  
full-name  
profile\_pic\_path  
tag

SELECT \*    SELECT    INSERT  
UPDATE    DELETE    Clear  
Format    Get auto-saved query

✓ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT `tag` FROM `facebook_cust` where `user-id`='1234567'
```

☐ Show all | Number of rows: 25 ▼ Filter rows: Search this table

+ Options

tag  
Hello

☐ Show all | Number of rows: 25 ▼ Filter rows: Search this table