

**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-

- | | |
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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.

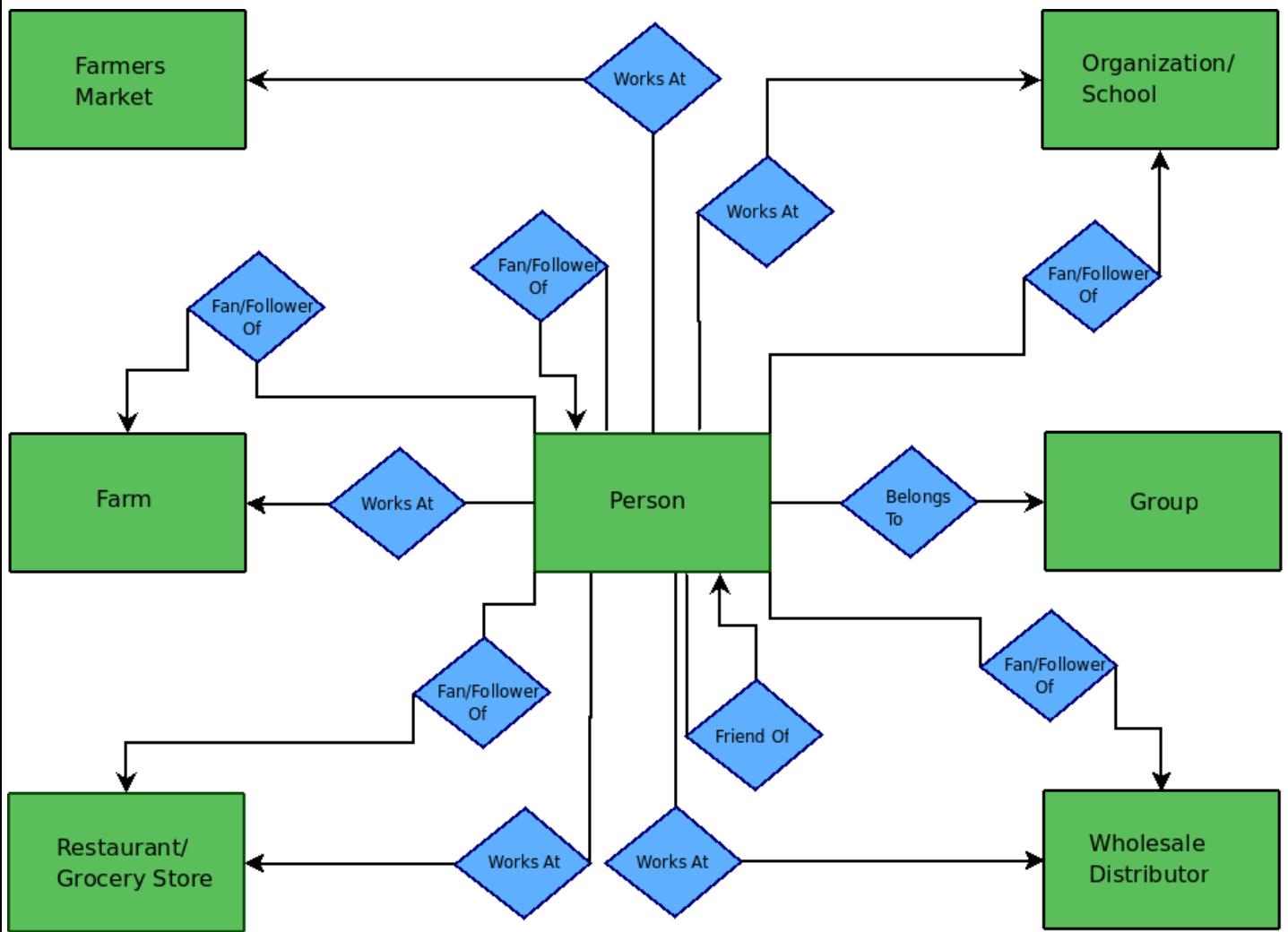
SRS of Instagram Project

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- 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.

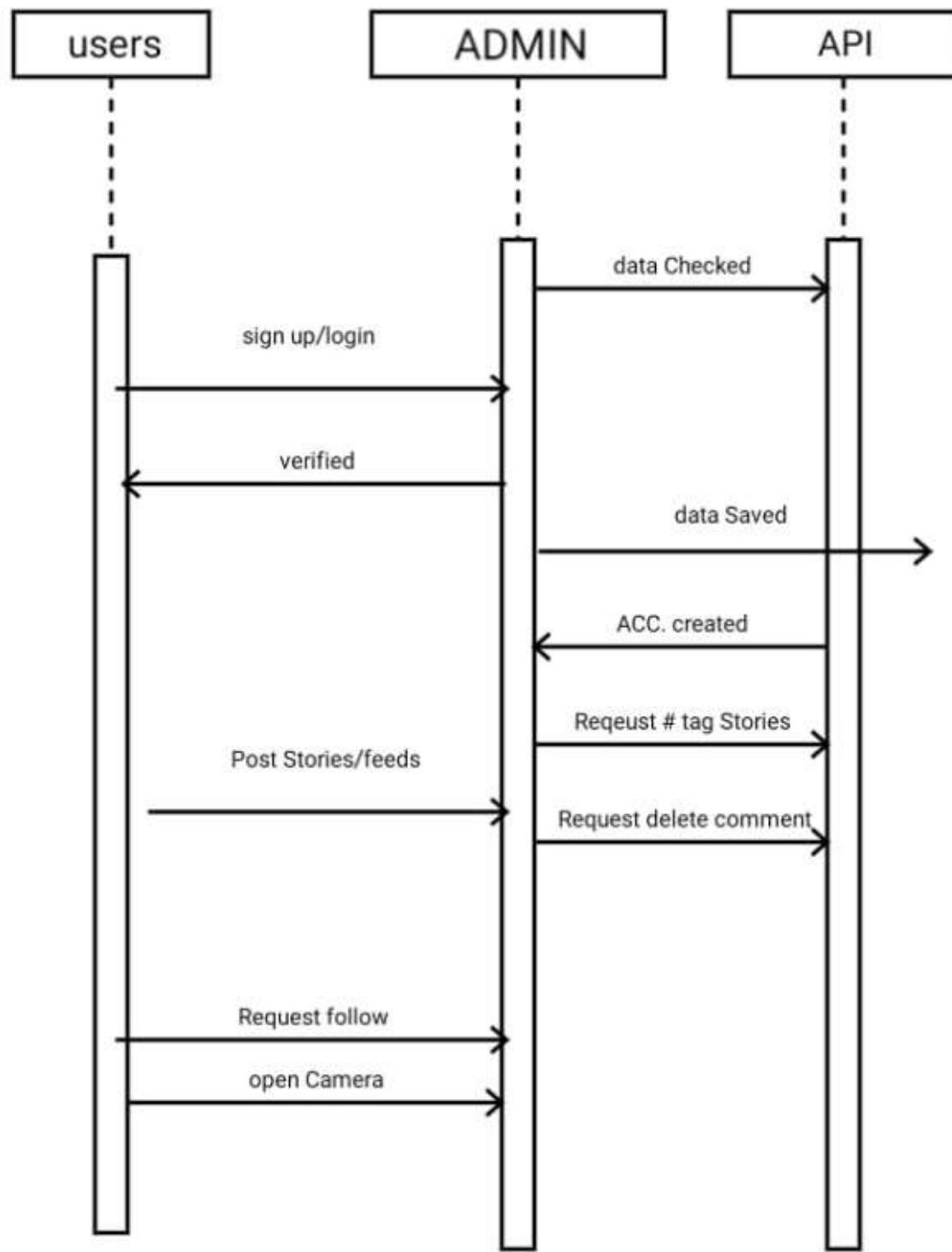
ER-Diagram

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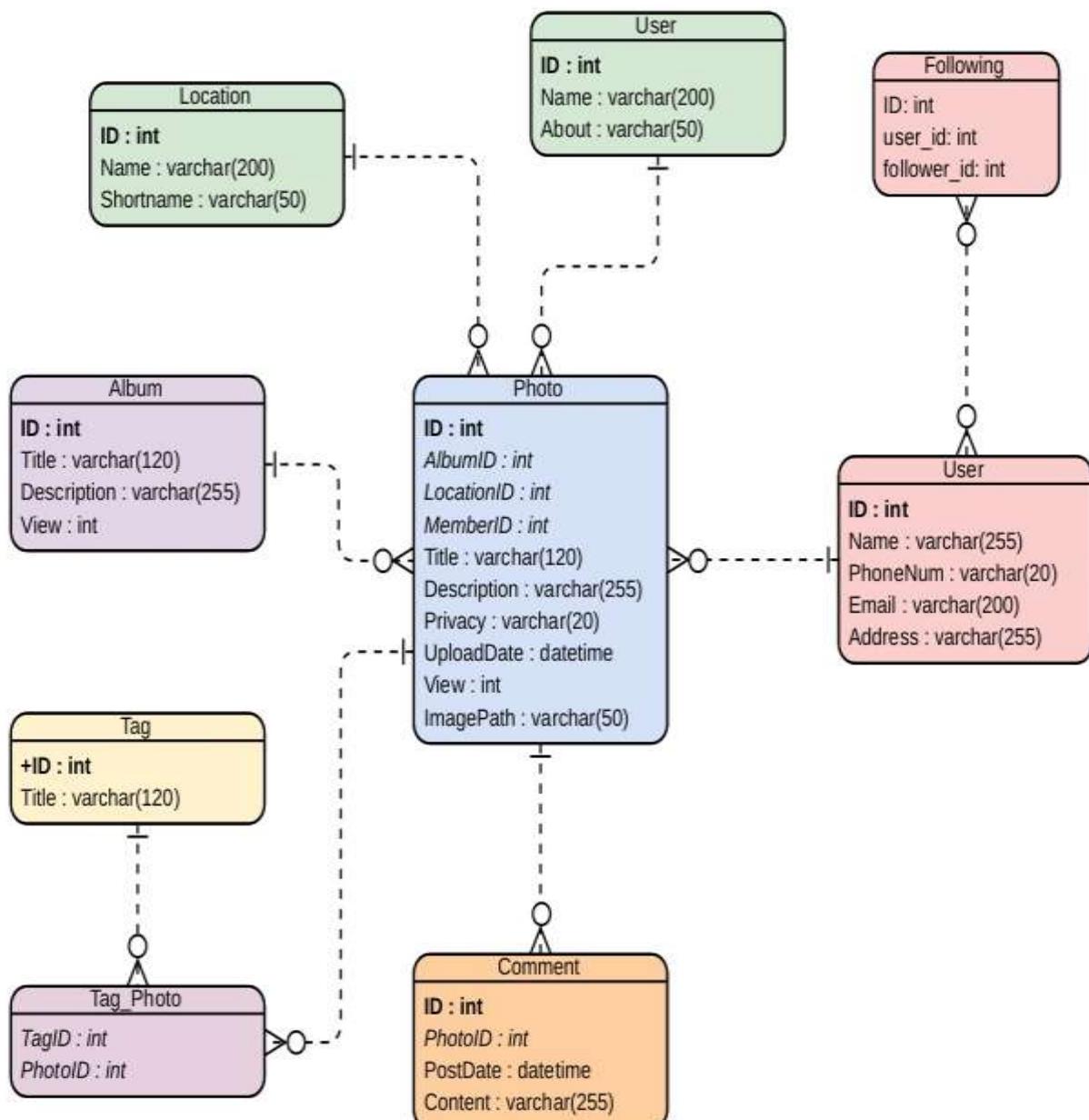
Sequential Diagram of Instagram

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Database Schema of Instagram's Photo(Sample)

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Customer Tables

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User
user_id: INTEGER
username: VARCHAR(30)
password: VARCHAR(30)
email_add: VARCHAR(32)
fullname: VARCHAR(30)
fb_id: INTEGER
twitter_id: INTEGER
profile_pic_url: VARCHAR(30)
privacy_level: BOOLEAN
tag_option: BOOLEAN

Followers
uid: INTEGER
follower_id: INTEGER
timestamp: DATE
rejectdenyoption: INTEGER

Following
uid: INTEGER
timestamp: DATE
following_id: INTEGER
rejectordenyoption: BOOLEAN

Blocked_User
blockingUID: INTEGER
blockedUID: INTEGER

Hidden_User
hidingUID: INTEGER
hiddenUID: INTEGER

Simple Queries in Data Base

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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;
```

[Clear](#) [Format](#) [Get auto-saved query](#)

← Server: MySQL 3306 » Database: school » Table: insta_cust

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

3) Inserting data into Tag field in 'Insta_Customer':

Run SQL query/queries on table school.insta_cust:

```
1 INSERT INTO `insta_cust` (`user-id`,  
 `username`, `password`, `email_add`, `full-  
 name`, `profile_pic_path`, `tag`) VALUES  
 ('1234567', '', '', '', '', '', 'Hello');
```

Columns

user-id
username
password
email_add
full-name
profile_pic_path
tag

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

Entries Updated in Instagram:

+ Options	← T →	▼	user-id	username	password	email_add	full-name	profile_pic_path	tag
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	1234567					Hello
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>						

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

Buttons: [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:

[+ Options](#)

tag

Hello

Show all | Number of rows: [25](#)

Filter rows: