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FACULTY OF SCIENCE AND TECHNOLOGY  
  
ACADEMIC YEAR 2019  
SEMESTER 2  
  
 COMP3161 “Introduction to Database Management System”

Group Members:

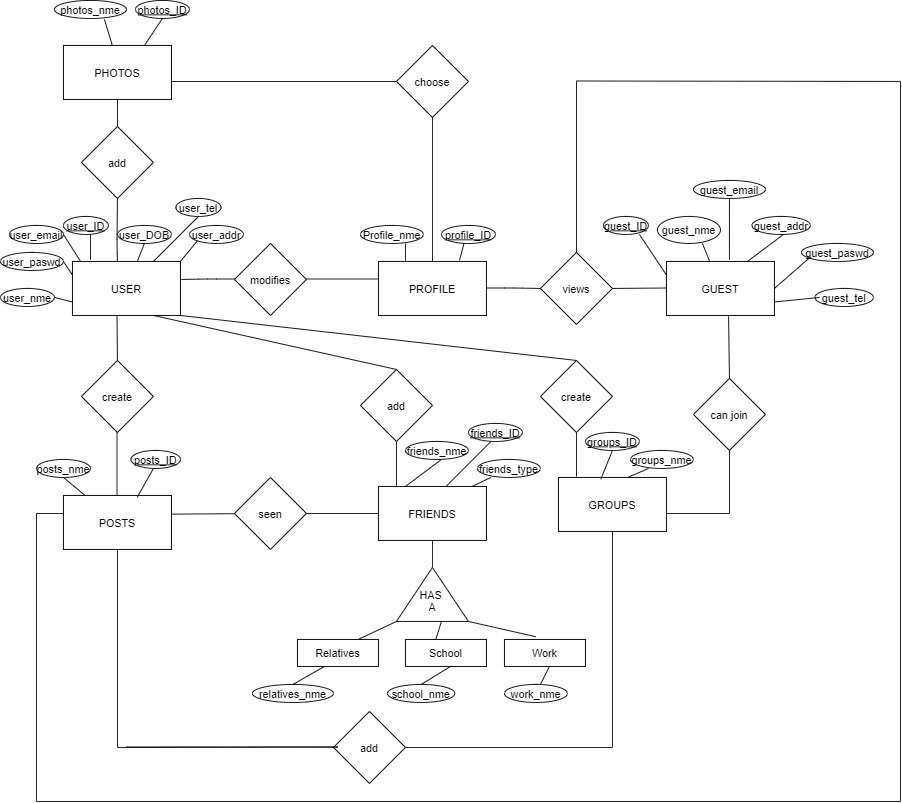
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Date Due: May 7, 2020

**Social Networking ER-Diagram**



Un – Normalised Tables

User (user\_ID, user\_DOB, user\_nme, user\_paswd, user\_email, user\_addr, user\_tel).

Photos (photos\_ID, photo\_nme).

Profile (profile\_ID, profile\_nme).

Guest (guest\_ID, guest\_nme, guest\_email, guest\_addr, guest\_paswd, guest\_tel).

Posts (posts\_ID, posts\_nme).

Friends (friends\_ID, friends\_nme, friends\_type).

Relatives (friends\_ID, relatives\_nme).

School (friends\_ID, school\_nme).

Work (friends\_ID, work\_nme).

Normalised Tables

Users (user\_id, user\_f\_name, user\_l\_name,user\_dob, user\_paswd, user\_addr)

Emails (user\_id, user\_email)

Telephones (user\_id, user\_tel)

Profiles ( user\_id,user\_fname,user\_lname,profile\_desciption,profile\_photo)

Photos (photo\_id, user\_id, user\_fname,user\_l\_name,photo\_nme, photo\_image,photo\_datetime)

Posts (posts\_id, user\_id,user\_fname,user\_l\_name, post\_text,datetime)

Groups (group\_id, user\_id,group\_nme,group\_description) note: user\_id would be the creator’s user\_id

GroupMembers(group\_id,user\_id,member\_status) note: member\_type either being creator, content creator or member

GroupPosts(group\_id,post\_id)

Friends (friend\_id, user\_id1,user\_id2,friend\_type)

Comment(comment\_id,user\_id,post\_id,user\_fname,user\_lname, comment\_text, comment\_datetime)

Guest (guest\_ID, guest\_nme, guest\_email, guest\_addr, guest\_paswd, guest\_tel).

**Data Dictionary**

**User**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| User\_id, |  |  |  |  |
| User\_dob |  |  |  |  |
| User\_f\_nme |  |  |  |  |
| Uuser\_l\_nme |  |  |  |  |
| User\_paswd |  |  |  |  |
| User\_addr |  |  |  |  |

**Email**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| User\_id |  |  |  |  |
| User\_email |  |  |  |  |

**Telephone**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| User\_id |  |  |  |  |
| User\_tel |  |  |  |  |
| Profile\_id |  |  |  |  |

**Photos**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| Photo\_id |  |  |  |  |
| Photo\_nme |  |  |  |  |
| Photo\_image |  |  |  |  |
| Profile\_id |  |  |  |  |
| User\_id |  |  |  |  |

**Profile**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| Profile\_id |  |  |  |  |
| Profile\_nme |  |  |  |  |
| User\_id |  |  |  |  |
| Guest\_id |  |  |  |  |
| Photo\_id |  |  |  |  |
| Post\_id |  |  |  |  |

**Posts**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| Posts\_id |  |  |  |  |
| Post\_nme |  |  |  |  |
| Post\_id |  |  |  |  |
| Post\_text |  |  |  |  |
| User\_id |  |  |  |  |
| Friends\_id |  |  |  |  |
| Groups\_id |  |  |  |  |
| Profile\_id |  |  |  |  |

**Guests**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| Guest\_id |  |  |  |  |
| Guest\_f\_nme |  |  |  |  |
| Guest\_l\_nme |  |  |  |  |
| Guest\_addr |  |  |  |  |
| Guest\_paswd |  |  |  |  |
| Profile\_id |  |  |  |  |
| Groups\_id |  |  |  |  |
| Post\_id |  |  |  |  |

**Groups**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| Group\_id |  |  |  |  |
| Group\_nme |  |  |  |  |
| Guest\_id |  |  |  |  |
| User\_id |  |  |  |  |
| Post\_id |  |  |  |  |

**Friends**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Description** | **Example** |
| Friend\_id |  |  |  |  |
| Friend\_f\_nme |  |  |  |  |
| Friend\_l\_nme |  |  |  |  |
| Friend\_type |  |  |  |  |
| Post\_id |  |  |  |  |
| User\_id |  |  |  |  |