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

Group Members:

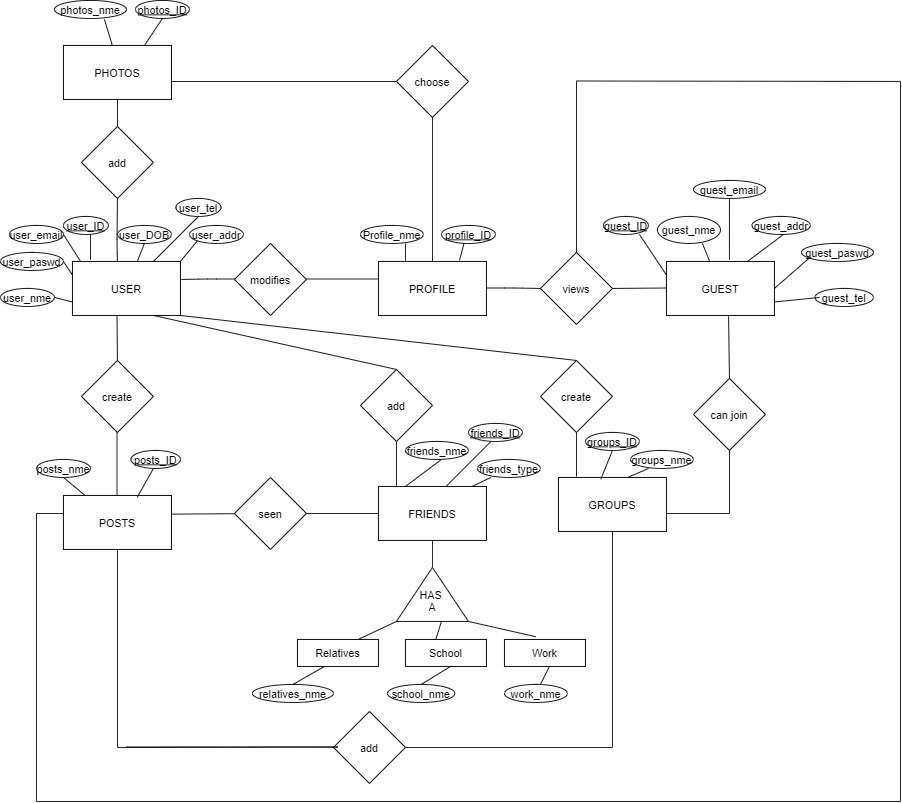
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**Social Networking ER-Diagram**



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

User (user\_id, user\_dob, user\_f\_nme, user\_l\_nme, user\_paswd, user\_addr)

Email (user\_id, user\_email)

Telephone (user\_id, user\_tel, profile\_id)

Photos (photo\_id, photo\_nme, photo\_image, profile\_id, user\_id)

Profile (profile\_id, profile\_nme, user\_id, guest\_id, photo\_id, post\_id)

Posts (posts\_id, post\_nme, post\_text, user\_id, friends\_id, groupd\_id, profile\_id)

Guests (guest\_id, guest\_f\_nme, guest\_l\_nme guest\_email, guest\_addr, guest\_paswd, profile\_id, groups\_id, post\_id)

Groups (group\_id, group\_nme, guest\_id, user\_id, post\_id)

Friends (friend\_id, friend\_f\_nme, friend\_l\_nme,friend\_type, post\_id, user\_id)

**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 |  |  |  |  |