**Database Design**

**Tables**

Table 1. **Post.tbl**. Information about the announcements of the campus.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Title | Varchar | Title of the announcement |
| Body | Text | Body of the announcement |
| Type | Varchar | Type |
| User\_id | Integer | User id |
| Extra\_info | Text | End date of the announcement |
| File | Varchar | Attachment of the announcement |
| Global | Tinyint | Global |

Table 2. **Comments.tbl**. It shows comments on announcement.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Body | Varchar | Comment |
| User\_id | Integer | User id |
| Post\_id | Integer | Post id |

Table 3. **group\_user.tbl**. Group user.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| User\_id | Integer | User id |
| Group\_id | Integer | Group id |

Table 4. **Friendships.tbl**. Friendships

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Sender\_type | Varchar | Sender type |
| Sender\_id | Bigint | Sender id |
| Recipient\_type | Varchar | Recipient type |
| Recipient\_id | Bigint | Recipient id |
| Status | Tinyint | Status |

Table 5. **groups.tbl**. This table shows the information of the group created.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Name | Varchar | Name of the group |
| Description | Varchar | Group description |
| Short\_description | Varchar | Short description |
| User\_id | Integer | User id |
| Private | Tinyint | Private |
| Conversation\_id | Integer | Conversation id |

Table 6. **mc\_messages.tbl**. It illustrates messages of the conversation.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Body | Text | Message |
| Conversation\_id | Integer | Conversation id |
| User\_id | Integer | User id |
| Type | Varchar | Type |

Table 7. **mc\_messages\_notification.tbl**. Messages notification.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Message\_id | Integer | Message id |
| Conversation\_id | Integer | Conversation id |
| User\_id | Integer | User id |
| Is\_seen | tinyint | Seen |
| Is\_sender | tinyint | sender |

Table 8. **mc\_conversations.tbl**. Conversations

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Private | Tinyint | Private |
| Data | Text | data |

Table 9. **group\_request.tbl**. Group request.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| User\_id | Integer | User id |
| Group\_id | Integer | Group id |

Table 10. **group\_post.tbl**. It shows the announcement of the group.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Group\_id | Integer | Group id |
| Post\_id | Integer | Post id |

Table 11. **users.tbl**. It shows registered users.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Id | Integer | Primary key |
| Name | Varchar | Name of the user |
| Email | Varchar | Email of the user |
| Person type | Varchar | Person type |
| User status | Varchar | Account status |

Table 12. **mc\_conversation\_users.tbl**. Conversation user.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| User\_id | Integer | User id |
| Conversation\_id | Integer | Conversation id |

Table 13. **user\_friendship\_groups.tbl**. Friendship groups.

|  |  |  |
| --- | --- | --- |
| NAME OF FIELDS | TYPE | DESCRIPTION |
| Friendship\_id | Integer | Friendship id |
| Friend\_type | Varchar | Friend type |
| Friend\_id | Bigint | Friend id |
| Group\_id | Integer | Group id |