***1. User table:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Password | Name | Gmail | Friend | GoogleCalendar | LocalCalendar | Coming soon |
| catcd | easilendar | Can Duy Cat | ninjameo9x | null | null | null | … |
|  |  |  |  |  |  |  | … |

This table stores all user’s information. Type of each column:

ID: string, 4-15 characters (A-Z, a-z, 0-9, \_), unique.  
Password: string, 8-16 characters.  
Name: string, Latin alphabet.  
Gmail: string, Google ID (without @gmail.com).  
Friend: array of objects {id, name}.  
GoogleCalendar: Google API JSON.  
LocalCalendar: Google API JSON.

***2. Friends table***

|  |  |  |
| --- | --- | --- |
| Sender | Receiver | Respond |
| catcd | dungnd | null |
|  |  |  |

This table stores all friend requests and responds. Type of each column:

Sender: user ID.  
Receiver: user ID.  
Respond: true/false/null, default value is null, if receiver reply then it has the corresponding value.

After user read the respond, the record must be deleted from this table.

***3. Meeting table***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sender | Receiver | Title | From | To | Date | Location | Respond |
| catcd | dungnd | Go out for dinner | 1080 | 1215 | 080315 | KFC IPH | true |
|  |  |  |  |  |  |  |  |

This table stores all meeting requests and responds. Type of each column:

Sender: user ID.  
Receiver: user ID.  
Title: string.  
From: number, minute(s) from 24:00am.  
To: number, minute(s) from 24:00am.  
Date: number, format: ddmmyy.  
Location: string.  
Respond: true/false/null, default value is null, if receiver reply then it has the corresponding value.

All data in this table must be stored until the user deactivate their account.

***4. Setting table***

This table stores all user’s settings. This function is under construction, now, this data is stored locally.