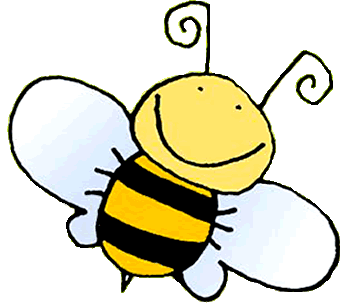
# Hiveyo – The BackEnd

## Building the Back End

Each user enters a Bee handle in registration

Each time a bee enters his hive an entry

Is added to the active table. This is used

To track the login Cookie, IP or the user

If multiple device logs are necessary then

This table can be used to make multiple

logins as well from a variety of devices.

We can also track the hackers using a simple

Security scheme within this table

There are 3 tables

1. Accounts <- Holds the account registration data
2. Hives <- Holds the contact data for each user
3. Active <- Holds the currently online users

A cleanup function is called in the initial request to web app that cleans up the entries in active table that have been expired in login time! (We can do this by doing a threaded AJAX request every 10 minutes to our server to ensure that each user is logged in. But this increases the load taken by the server. A different algorithm can also be used if necessary to reduce server load).

## The Accounts Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Default** |
| ***sno*** | int(5) | No |  |
| hivename | varchar(30) | No |  |
| hivepass | varchar(30) | No |  |
| beename | varchar(40) | No |  |
| mobile | varchar(13) | No |  |
| landline | varchar(10) | Yes | 0 |
| dob | varchar(30) | No |  |
| facebook | varchar(30) | Yes | NULL |
| twitter | varchar(30) | Yes | NULL |
| linkedin | varchar(30) | Yes | NULL |
| googleplus | varchar(30) | Yes | NULL |
| skype | varchar(30) | Yes | NULL |
| education | mediumtext | No |  |
| nol | int(5) | No |  |
| emailid | varchar(50) | No |  |
| addr | mediumtext | No |  |
| workaddr | mediumtext | No |  |
| secemailid | varchar(50) | Yes | 0 |
| secqn | varchar(150) | Yes | NULL |
| secans | varchar(50) | Yes | NULL |
| creation | timestamp | No | CURRENT\_TIMESTAMP |
| active | enum('0', '1', '2') | No | 0 |

Upcoming Notes :-

The active table

The hives table

# Technical Notes

Maximum of 99999 users can be accommodated as int(5)

Username and Password is of length 30. Use Server Side checking to validate this

on registration as well as login to prevent buffer overflow (hack) attacks

beename is the real full name of the person

dob is a string to represent Dob fields

Social fields may or may not be specified

Education is | delimited sequence of fields for different institutions

nol is number of logins used for statistical reasons. When it cross 99999 must be reset

Maximum email ID size is 50 even though the standard is 254 (validate this field too)

Secondary Mail ID is used for rescue purposes

address field is | delimited field for each address line

wordaddr field is also | delimited values

Secret Qn and Answer is obviously for rescue purpose

creation defines the time of creating the account

active 0 -> not activated, 1 -> active, 2 -> blocked