**Database Design**

**Database Type:** Document based DB (Mongo DB)

**List of Tables:**

* Users
* UserLog
* Profiles
* Category
* Location
* Events
* Groups
* Messages
* Historical Messages
* Blocked Users

**Table Description and fields used:**

1. **Users.**

This table will hold the list of users, user type – Individual or Couple, SuperUser-Yes or No, Whether they are active or blocked, user password, need to reset password or not.

**Fields:** UserId, UserType, Active – Yes/No, Password, Reset\_Pwd – Yes/No.

Note: SuperUser – Will have specific logic attached to them to have enhanced Security

1. **User Log.**

This table holds the information User login timings on a day, Total Number of Connections

**Fields:** UserId, Date, Login Time, Last login Time, total number of connections

1. **Profiles.**

This table will hold all the details of a User like his Name, Gender, Age etc.

**Fields:** UserId, Name, Age, DOB, Gender, Default Location, Couple-Yes/No, Picture

1. **Category**

This table will hold the category id and description

**Fields:** Category Id, Category Name, Description, Child Category Id

1. **Child Category Table**

This table will hold the Child Category Id, Child Category Name and Description

**Fields:** Child Category Id, Child Category Name, Description.

1. **User Category**

This table will hold the details of users attached to different Categories.

**Fields:** UserId, CategoryId.

1. **Location (This may not be needed as we can store the location in events)**

This table will hold the details of Location and Event Id.

**Fields:** Location, Event ID, Event Date.

Note: Can be used for marketing emails about previous number of events conducted etc. by using this data.

1. **Events**

This table will hold the Event Details.

**Fields:** EventsId, EventTitle, Event Description, UserId, Event Type – Individual or Group or Couple, GroupId , Event Created Date, Number of participants, Location, GPRS Co-ordinates, Pictures.

**Note:** GroupId will point to the group for which the event has been created for.

1. **Groups**

This table will hold the details of a group like its name, Users, creation date etc.

**Fields:** Group Id, Group name, Group Admin UserId, {UserId}, Creation Date, Group Closed Date.

1. **Notifications: (**Need to discuss about this table)

This table will hold the inbox details of a user. **It will hold only 30 messages for each user(need to be decided)**

**Fields:** UserId, Message Id, Title,Descr, creation dt,sender, groupId, Read-Yes or No?, Replied – Yes or No??.

Note: Inbox needs more research and an indepth discussion to finalize.

1. **Historical messages: (need to be discussed)**

This table will hold the past messages of a user. It can hold the most recent 100 messages which are moved away from the User Inbox.

**Fields:** UserId, Message Id, Title,Descr, creation dt,sender, groupId

Note: Need to see whether its needed or Not