**Requirement**

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**Introduction**

This document explains the requirements for the Project Chataholic.

**Project Description**

As there are a variety of communities and societies, an efficient interactive platform is required. “Chataholic” aims to fulfill the need of social intercourse by quickly matching up two users when user requests. By using a pairing algorithm, “Chataholic” will quickly pair two users based on the information collected from the user profile. The architecture will consist of a cross-platform application and an instant messaging system which communicates via a central API.

**Pairing Algorithm**

This algorithm is used to pair two users by computing the similarity between users. Convert the information from user profile and to a computable variable and use this variable as a parameter to find out a list of other potential matched users from the database, then randomly pick a user from the list.

**Database**

A database is required to store user account details, profile, friends list and messages.

**Functions**

The following defines the functions the application should be contained but not limit to:

* System should be able to match up two users when user requests
* Display a friend list
* Add other user the friend list
* Delete friend from the friend list
* Send messages
* Receive messages
* Delete specific message
* Read other user profile but cannot edit it
* Check and edit user own profile
* User should be able to check their account details
* User should be able to change the account password
* Login
* Logout
* Create a new account / register
* Request to change password if the user has forgotten the old password