**Project ‘iDoctor’**

*By group Cyclopentane*

1. **MEMBERS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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Table 0.1

1. **GROUP NAME & SYMBOL**

Our group name is ‘cyclopentane’. It is an organic molecule formed by five carbon atoms each of which stands for one group member.

Symbol of our group is a pentagon:

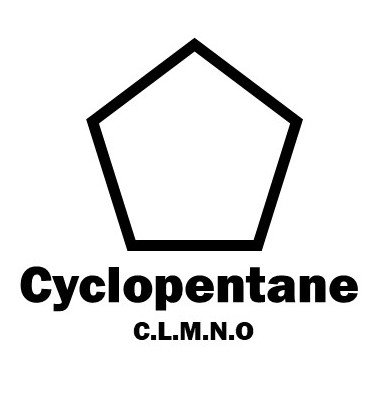


Figure 1.1

(C.L.M.N.O is the combination of all our English names’ initials)

1. **PROJECT SUMMARY**

Though it seems that the convenience of internet has swept our lives in every aspect, application we made specialized in medicine is not widespread as we think. Aiming at solving this phenomenon our project is about to make a change: ‘iDoctor’ designed to provide everyone a platform where you can make appointment with medical expert without waiting in line at hospital, meet people that suffers from the same disease as you do without fearing being alone, post your story to gain other people’s help & suggestion without finding no responses. ‘iDoctor’ will be operating as a website. Also, we will release android version for mobile users. Detail introduction of our functions are as follows:

* 1. Registration system

Internet can bring the all the information you want to you but it can not ensure those pieces of knowledge to be true. So the most important function iDoctor should have is allowing patients to make appointment with medical experts. Appointment can take two forms: 1st with doctors at public hospital, which is cheaper but can consume longer time. 2nd with private doctors which will be a little expensive but more flexible. This function, should it be able to run, need a chat room which should connect two individuals, also, it means that doctors should log in as a different identity, certificated by website administrators. Chat room should be placed in the website as a web application, clients’ contacts should be stored in relational databases.

* 1. Social system

Every patient should be able to add friends with each other, relation will be stored on our server

* 1. Medical forum system

Each client should be able to dialog with each other through a chat room

* 1. Mobile version

One important function to achieve is that each client should be able to post their story about how they recover from all kinds of diseases and injury. Also, doctors can post professional suggestion about their specialty.

1. **REQUIREMENT ANALYSIS**
   1. Networking

By adding chat room function, we can achieve network connection function. This means two separate clients can set up instant connection, and have dialog.

* 1. Storage

When clients sign in, their personal info will be stored in the form of database on our server. Every post they make, friend relations they have and preference they choose will be stored.

* 1. Front end interface

We will design two different types of log in: administrator, client; Admin will have the power to delete post, kick out clients, manage database and so on, while regular clients are divided in to: experts, patients, and they have only got permissions like posting article, making dialog.