

INFORMATION RETRIEVAL FROM CHAT APPLICATION

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Abstract: When 'n' numbers of users in the world using the messaging application. In chats, user has some of the difficulties. Sometimes the user like to see their old chats. They just scroll their chats for long time to see that particular message. In group chats, there is a communication between 'n' number of users. It is impossible to scroll the messages long time. My ideas are to add a search option on a group to overcome the problem of scrolling the messages. In the search option there is a two fields. Name, Date and Time. By giving the phone number and date in the text fields, it will search the database and display the messages only the particular person which is given in the text fields. By using this user will easily get the particular messages.

and so on. But searching a particular message is not available. So our idea is to add search option in the chat application. This chat application contains search option which has "name and date time". This kind of application is user friendly. By this way, we can get a particular person message in a group is easy. WhatsApp search option is used to search a particular messages only.

Keywords: Communication, Database

1. INTRODUCTION

Online chat may refer to any kind of communication over the Internet that offers a real-time transmission of text messages from sender to receiver. Chat messages are generally short in order to enable other participants to respond quickly. Thereby, a feeling similar to a spoken conversation is created, which distinguishes chatting from other text-based online communication forms such as Internet forums and email. This system is basically developed for the persons who are connected to the internet. In chat app, the user must see other messages by scroll the screen only. This paper has overcome the problem of scrolling option. Adding name, date time option in search command to retrieve a particular person messages.

2. PROJECT DESCRIPTION

Existing System

Now a days, people can easily transfer their information through some medium is called chat application. In android there are many number of chat application is available. But some of the application is user friendly. for e.g., WhatsApp .. it is one of the best chat application used in all peoples around this world.

Proposed System

The proposed system should have the following features. The chat application has many features like status update

ARCHITECTURAL DIAGRAM

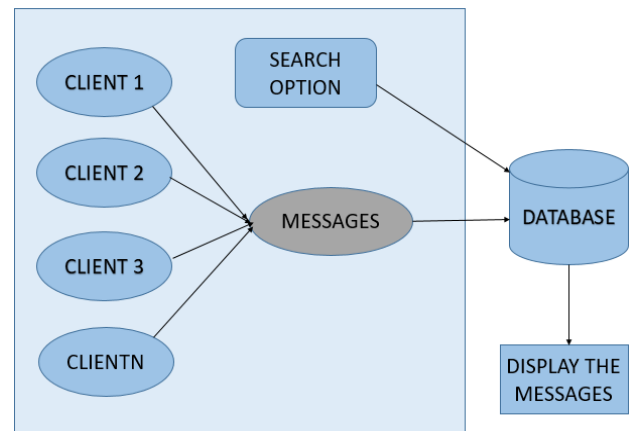


FIG1.0 BASIC DIAGRAM FOR CHAT APPLICATION

FLOW DAIGRAM

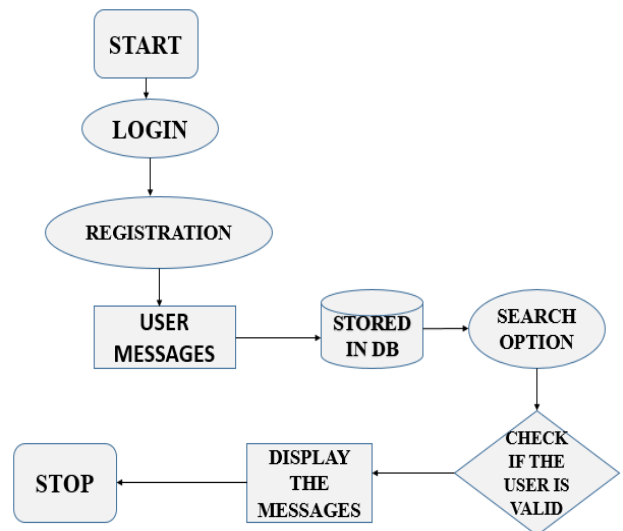


FIG 2.0 FLOW DAIGARM

Hardware Requirements

- ✓ Computer system
- ✓ Mobile

Software Requirements

- ✓ PHP MySQL
- ✓ Java
- ✓ JDK

Tools required

- ✓ Android Studio 3.0
- ✓ PHP

MODULES

The modules involved in the proposed system is

1. Login
2. Registration
3. Chat module
4. Search module

5.1 LOGIN

The chat application user enter the username and password of their account which has already registered. When there is an error it will show a pop-up message.

5.2 REGISTRATION

The registration page is used to give details about the chat application user. It contains their name and other details. During the time of registration user entered the information like username and password. All details will be stored by MySQL. If the user enter into the system by using only their username and password.

5.3 CHAT MODULE

All the connected users will transfer their information in the chat module. The group of peoples will be interconnected through this module. We can transfer any data to all the members. Basically this group chat is used for connecting n number of peoples in same place. The new persons will be added in this group by login their account.

5.4 SEARCH MODULE

The members in the group will transfer their information. Suddenly a person likes to see a particular person messages, he will scroll their chat page for long time in the current chat app. Our idea is to add a search option which

includes date and name. If the person give a particular person's name in the search option, it will retrieve all the information from the database and displayed into the users UI. The UI used in the chat application is a Graphical User Interface(GUI). If the person is not present in that group it will display the error message also.

SUB MODULE DESCRIPTION

Registration page:

Each and every new user must register their account in this chat application

Login page:

If the app is loaded the login page is displayed. After login into this page it will be moved into the chat page.

Chat page

In the chat page, the connected peoples will be communicate with others. Everyone will send their thoughts into this page.

Search Page

When the person wants to see a particular person's message he will enter into the page. He must give the name and a particular date. Then it will display a particular person messages easily.

TESTING

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program input produces valid outputs. .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

Table 6.1

Module name	Purpose	Input	Output	Remarks
Login	Login into account	Username and password	Home page	GOOD
Registration	Register your own account	Enter user details	Specific account created	GOOD

Chat	To communicate peoples	Messages	Transfer to all peoples in group	GOOD
Search	To retrieve particular person information	Name and Date Time	Retrieve a particular person messages	GOOD

ADVANTAGES

- ✓ It will reduce the scrolling time.
- ✓ We can get a particular person message easily
- ✓ By adding this option it is user friendly.
- ✓ The main advantage is to see old messages easily through this option.

APPLICATION DESCRIPTION

REGISTRATION

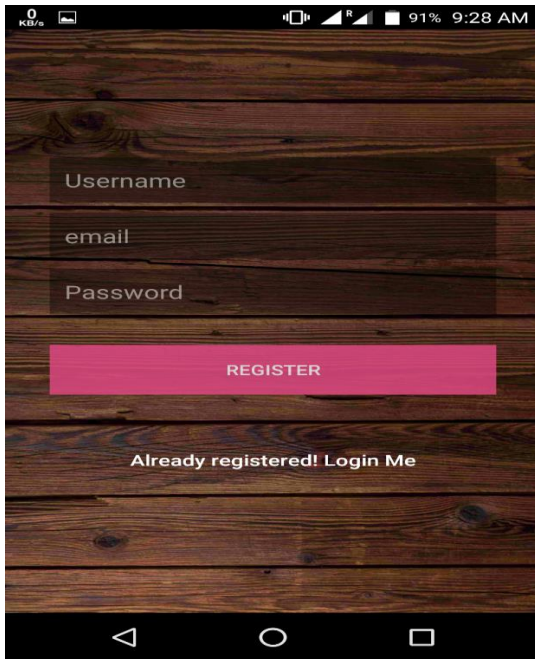


fig 3.0 registration

This page is for registering the new users in this application. Each and every user must register their details after enter into the chat page.

LOGIN PAGE:

User login into this page to join this group chat. In this page user will give their correct username and password which is already given in the registration page.

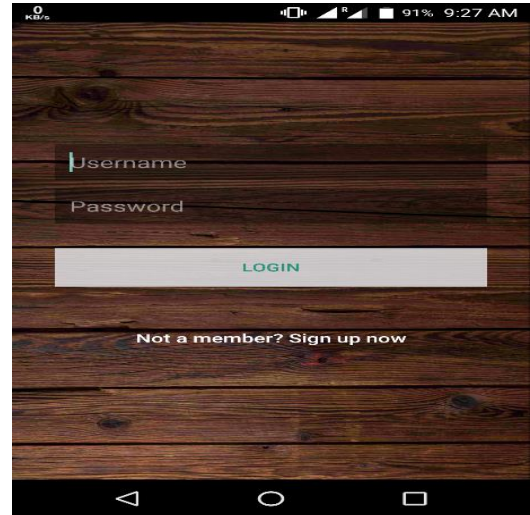


Fig 3.1 login

CHAT PAGE

This page contains the messages of n number of users in the group. If we entered into this page, we are also member in this group. The person can chat in that group and transfer their information also.

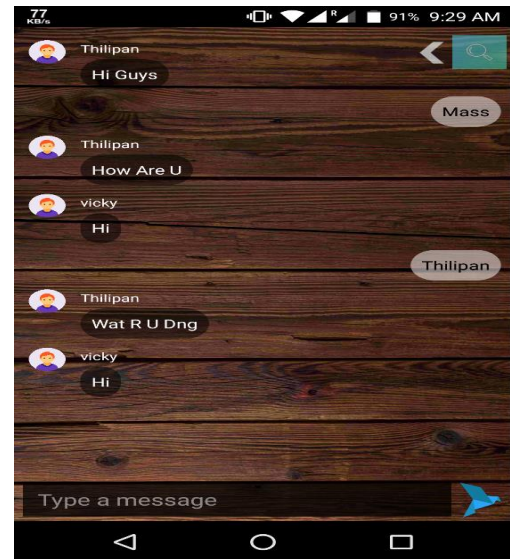


Fig 3.2 chat page

SEARCH PAGE:

This page is used for retrieving the information in the group.

SEARCH MODULE 1

In Fig 3.3, user provide any names. It will retrieve all the messages for that particular person in that group.

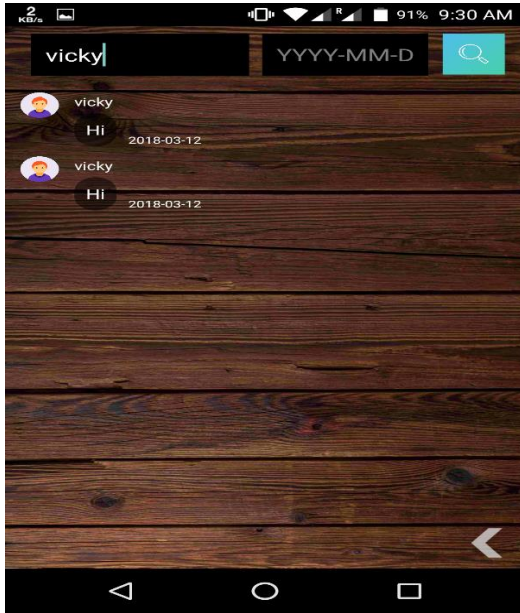


Fig 3.3 search page 1

SEARCH MODULE 2

In Fig 3.4 user will give both the names and date. It will retrieve all the messages of the particular person in a particular date. This will help to search a particular person messages easily.

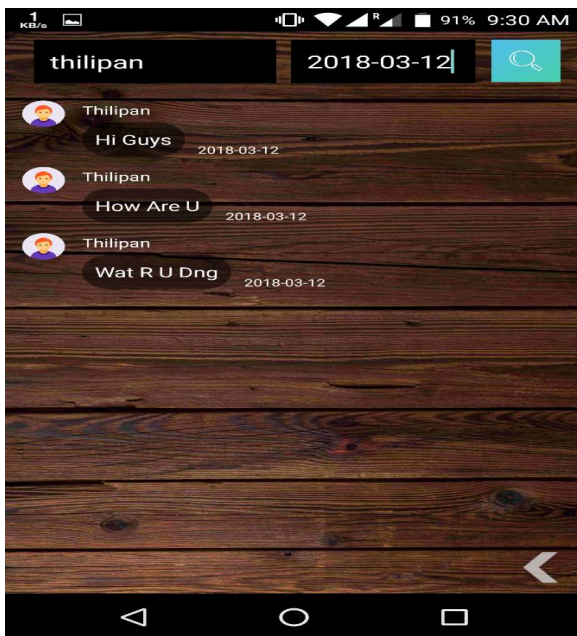


Fig 3.4 Search Page 2

CONCLUSION

Our world is developing new technologies in every day. People must update herself. Developing new technologies

with some of the flaws also. Our research is based on Chat Application. If user must see their old messages by using the scroll option only. But in our idea, we must add a new search option that includes name and Date Time. If we give a name and date it will retrieve a particular person's messages easily.

FUTURE ENHANCEMENT:

In future, the updation of our project is going on. But search option is useful in future. Because future will be depend on new updates only. There is lot of scope for Messenger applications to be involved and connected with people on daily basis and provide them lot of free services and help them, In Fastra our team is working hard to achieve this goal. We are trying to make total chat experience innovative and disruptive in coming days.

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