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CIAO CHAT APPLICATION

A Mini-Project Report
Under
Implementation of technology workshop

Submitted by

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Under The Guidance Of
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CERTIFICATE

This is to certify that the project entitled "Ciao chat application" is the bona-fide work carried out by Parasdeep Singh, Aditya Mulgundkar, Rajat Mahajan, Utsav Mody of B.Tech (Computer Engineering), MPSTME (NMIMS), Mumbai, during the IV semester of the academic year 2014-15, in partial fulfillment of the requirements for the award of the Degree of Bachelors of Technology as per the norms prescribed by NMIMS. The mini-project work has been assessed and found to be satisfactory.

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Prof. Ratnesh Chaturvedi

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Abstract

Chat applications are spreading like wild-fire in the age today. The need to send instant messages and images has been growing exponentially in the past few years. In light of this need, we have created the Ciao chat application which learns from present chat applications, and improves on them by providing additional features, performance, and stability.

Ciao offers its users with the ability to send text, images, video, emoticons and a lot more content in real time. It also provides users with standard chat features such as a display picture, a status, the ability to form chat groups where more than one person can interact with each other. Users can also manage various privacy and account options in settings.

But all of the features mentioned above are already offered by famous chat applications such as Whatsapp, hike, We chat, and others. What makes Ciao different and better than these apps are a set of features. These features are:

1. **Take Notes:**

The main difference lies in the ability to take notes. The group admin has the capability to save any message as notes, which can be viewed by all members of that group. This ensures important messages and notifications are not lost in the chat history. Notes will be saved for an indefinite amount of time, till the admin decides to delete them. The same is applied to images and videos. All users currently inside the group are alerted of the note, as well.

2. **Video calling:**

Through their chat windows itself, one user can video call another user, provided a front cam is available. This is not to be confused with voice calling; users can not voice call each other. Also, this is strictly a one to one video call as of yet. Group video calls are discussed in the future scope.

3. **Hangout feature:**

Hangout is a revolutionary feature which is exclusively made available in Ciao. Group administrators alone have the ability to launch this feature. When activated, hangout will ask a set of queries such as which users will be involved, and which location to search for (Restaurant, cinema, tourist spots etc). Then it will calculate the best possible location that would be suitable for all members of the hangout in terms of distance.

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Why use Ciao?

- Ciao provides users all of the chat features found in popular chat applications such as whatsapp, Hike etc

- Make plans with your friends in a group with a touch of a button using Hangout, a new search feature that allows a group of users to find an optimal location to 'hangout' together.

- HD video calling integrated into the chat interface itself. So now users can communicate with both text and video chat simultaneously, right from the app itself.

- Notes make it so that you need not worry about missing any important message which was shared on the group in your absence.

- One of the important things to note is that the source code for this application will be open source. This means that anyone and everyone can install the source code for Ciao and use its features under their own private network.

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