**CHAT APP (QUERYFICATION)**

* Project details:

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* Problem Description:

The objective of this project is to design a basic Chating Application which allows the student to clear their doubts with asking it from someone else using text messages.

* Development:

The development of this project was to implement display pages for Login, Register and chat window where student can clear their Query with each other or with teachers.

* Functionalities and features:

Our consists of three parts. The Login section , Registration section and the chating window.

1. If the user is already an existing user of our platform he/she has to login with the help of the username and password they have filled in the registration form during the time of registration. After entering all the credentials user have to press in the login button to go to the chating window or if they are a new user then they have to create a new account by pressing on the register button.
2. The registration page is consist of different field including username, password, phone number , registration number and email id. One has to completely fill the form and then click on the register button which would then store all there details in database(mySQL) so that they can directly login in the future and would redirect them to the login page again.
3. After login again with all the valid credentials one can go to the chat window where they can type the message in the bottom of the application and then press send to send their message and wait for the reply.

* Platform used and special libraries:

To develop this project we used eclipse IDE , vscode and for the database we used mysql. To design the frontend we used Java swing with windows builder.

The external jars included in this project are:

1. Mysql connector – to establish connection between java and mysql
2. JTattoo – for styling of buttons

* Future Development:

1. Making it more user friendly.
2. Adding support to chat with each other online.