

1) **Class Diagram:-** The class diagram for chat application has 8 classes.

- **Login:-** Login class will describe about the login page, validation of the input and creating the account if required.
- **User Account:-** This class will hold the information about the user. Through this class we can update the profile picture of the user, set up the account details and can also view the list of friends.
- **Chat:-** This class is aggregation of “Individual Chat” and “Group Chat” classes.
- **Individual Chat:-** This class will have all the attributes and methods that are required for Individual chat
- **Group Chat:-** This class will have all the attributes and methods that are required for Group chat
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