Project Proposal

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Title: ChatApp

Description: A java chat application which implements OOAD concepts and all basic functionalities. We are planning to develop client - server model where multiple clients can request access through server. Once the application is installed, the user needs to register using valid email address.

Actors: Admin, Users

Functionality:
- Create an account using a valid email ID
- Email verification through url
- Set a unique username/handle and a password
- login/logout from the application
- Account recovery when password is forgotten
- Each user has a buddy list
- send/receive messages to contacts in buddy list
- add/delete/block and unblock a contact
- Maintain a chat history
- Create/exit groups
- Limit the number of users in a group
- Send/receive messages in a group
- Account settings can be changed to extend user functionality

Stretch Functionality:
- Implement an autocomplete feature that completes words while the user is still typing.
- Provision for delivered/seen notification for each message exchanged between two users
- Privacy of the user such as who can see the user's messages can be maintained.