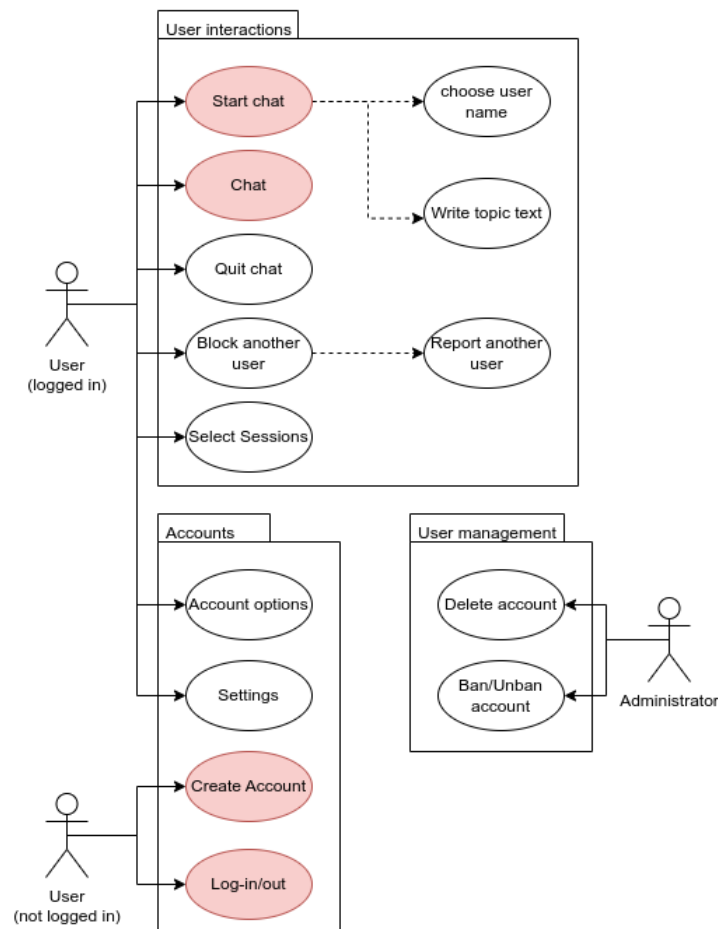*Common enables the exchange of "common" topics through a website. The user chooses their preferred topic of conversation using an input option that allows them to define their topic of interest. Users with the same interests are matched by a random system and can exchange via a chat.*

**Use case diagram**



**Architecture decisions**

Common is a communication platform that allows a secure exchange between two users. Therefore, the architecture focus of this project is security. The sent messages should only be read by the sender and recipient. An interception of messages should be avoided.

A backup of data is not intended. That means if the chat is closed, the data isn't saved in the database. Only personal data that is used to create an account is saved.

Availability is also important. If the website is not available, the user can no longer chat. That leads to less use, less users and to worse matches. That misses the idea of the whole project.

**Software tools**



**Statistics of efforts**

All statistics are measured in hours.



Time per Phase



Time per Workflow