1st- threads of all participants are queried with the id of the proposal as a fitler (we can filter who is able to comment in a proposal too)
2nd- the comments in each thread are queried
3rd- the comment tree is built

This way users can only delete their own comments and this feature works independently from the rollup, currently there is no way to prevent users from deleting their own coments.

Votes:
Votes have a timestamp and can have any data attached making it possible to implement features such as reputation and token requirements.
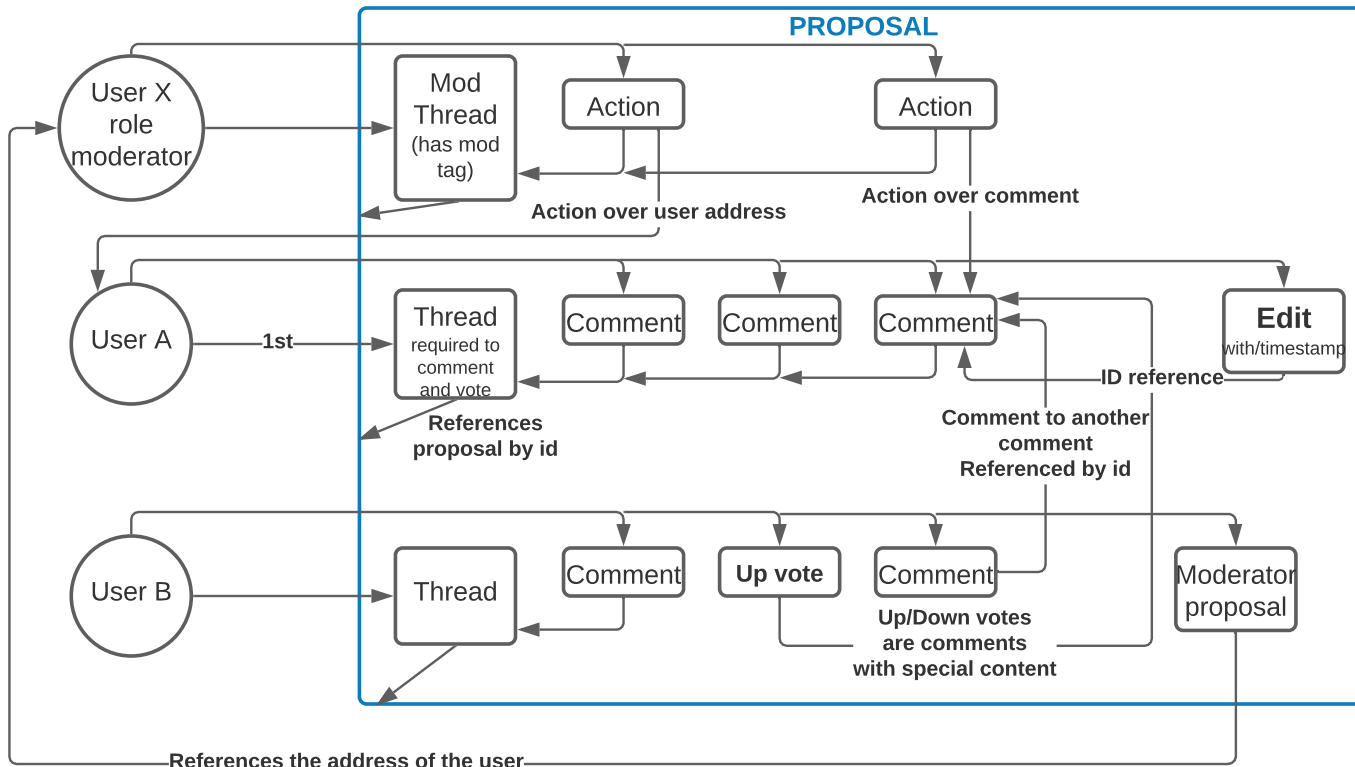
Edits:
To edit a comment a new comment is created that references the previous comment id, the timestamp is used to determine the order of editions.

Moderators:
A possible way to add moderators is shown, the mechanism by wich they acquire the role may vary.
This way allows to revoke the role and recover moderated(banned, etc) comments and users

PROPOSAL

User X role moderator

Mod Thread (has mod tag)

Action

Action

Action over user address

Action over comment

Thread required to comment and vote

Comment

Comment

Comment

Edit with/timestamp

User A — 1st →

References proposal by id

ID reference

Comment to another comment Referenced by id

Edition can be implemented with a comment that references a previous comment, all comments have a timestamp

User B

Thread

Comment

Up vote

Comment

Moderator proposal

Up/Down votes are comments with special content

References the address of the user