

List of Non-Functional Technical Constraints

Performance:

- No more than 5 messages can be posted by a single user within 60 seconds.
- Panic buttons have a cooldown per users of at least 60 seconds.
- All polls must be updated for all users within 0.2 seconds of submission.
- All messages for all users must be updated for all users within 0.2 seconds when a change is made.
- Website should take no-longer than 5 seconds to load.
- Website should be able to handle at least 500 concurrent users.

Scalability:

- All comments must be at or below 1024 characters.
- Polls can have a maximum of 16 choices
- A maximum of 100 users can be in a single session.
- Website should be able to handle 5 concurrent sessions.

Security:

- Website should be resistant to DoS attacks.
- Website should be resistant to SQL-Injection attacks.
- Website should be resistant to session hijacking via cookies.

Portability:

- Website should be able to be accessed on mobile phones