# 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.
- Panic button responses should still be readable even with 10 or more responses.

## 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.
- Website should be secured via HTTPS
- Website should be resistant to Cross-Site Request Forgery
- Website should use CORS

## Portability:

- Website should be able to be accessed on mobile phones