

# Sprint 4 Goals and Commitments

## Grade B

- A user will be able to delete a message.
- We will have refactored our code to implement a singleton pattern in all of the JPA Service classes.
  - We will also have refactor all controller and service classes to implement this change.
- Refactor our tests to make use of the singleton pattern.
- We will have refactored sign up exceptions.
- A user will not be able to inject SQL query into signup.
- We will have Hosted our app in the cloud.
- Fix all code Smells in the SonarQube report.

## Grade A:

- A User will be able to distinguish between their read and unread messages.
- Both the password and emails will be encrypted and decrypted in the DB.

- Refactor Code? (User : Jerry)  
(Group: Sangeetha)  
(Profile, Message, Invite: Virat)  
Sign up exception refactoring(Tarun and Virat)  
Research on SQL injection with hibernate.(Virat and Tarun)

**@Jerry:** Mention refactoring includes all layers:controller, service, jpa!

- Singleton Pattern?
- Hosting on Cloud. (3 hours) (Sibendu)

Grade A

- Unread messages(10 hours) (Dev: Sibendu, Tests: Jerry)
- Password/email Encryption/Decryption? (4 hours) (Sangeetha)