Testing report

Types of testing techniques	Used?
Unit tests	Yes
Integration tests	Yes
User tests	Yes

Unit tests

The unit testing of our system consists of testing the Database class. Every meaningful method that is public is tested to ensure the correct output of the valuable queries. Some getters and setters are not tested and private methods are also not explicitly tested but they are helper functions that contribute to the public methods. The unit tests achieve a coverage of around 73%.

Integration tests

The integration testing of our system is done using Selenium automated testing. Every functionality of the system is tested, except the input functionality of new communications. The test is performed as different actions are executed one after the other on the web page. The flow of action is as follows: first we log in as a kickIn member but give a wrong password. Then a correct password is given. After a successful login, the filter options are prompted to show the organisation filter which is only available to kick in members. The pagination test comes next which goes to the following page and back to the previous. Then it is tested if the credentials are viewable to the user. After that an email is previewed and a list of people who read it is shown. Then comes the attachment preview test and also showing who has read the attachment. Going back to the main page, a query is issued with all possible filters to test the filter functionality. The date order is also tested for descending and ascending. After that the user is signed out and an organisation member is logged in. This concludes the integration testing.

User tests

1. As a user I want to login with my email and password, so that I get access to the files that belong to me.

- User can login with their credentials (true)
- User has access to files belonging to them (true)
- User has access to files belonging to other users (false)

2. As a KI, I want to be able to access/see all documents and emails for a specific association, so that it is easy to find emails to a specific association.

- User can filter their search based on organisations (true)
- User can add additional filters with organisation (true)

3. As a user, I want to search for emails and attachments based on keywords, so that I can find all emails containing these words.

- User can search emails based on keywords (true)
- User can search documents based on keywords (true)

4. As a user I want to find an email with an attachment

- User can filter for only emails with attachments (true)
- User can filter for only emails without attachments (false)

5. As a KI, I want to be able to see all documents and emails for a specific email address, so that I can easily find emails from a sender.

- User can filter emails based on sender (true)
- User can filter emails based on receiver (true)

6. As a SS, I want to be able to see all emails and attachments belonging to my association, so that other emails are still private.

- User can see emails send to their association (true)
- User can see emails send to them (true)

7. As a KI, I want to access all information on every possible screen size, so that the information is available to me on any device.

- Website is navigable on large screens e.g.laptops (true)
- Website is navigable on small screens e.g.phones (true)

8. As a KI, I want to know if my emails were read, so that I can be sure the information is known by the receiver.

- Button redirects KI to a table in which the users that read the email are shown (true)

9. As a SS, I want the email and documents I went through to be marked as 'read' automatically, so that the "read-status" is automatically updated.
- When reading an email the users "read" status is updated automatically (true)