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UNIVERSITY OF PRETORIA
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DEPARTMENT OF COMPUTER SCIENCE

COS 301 - SOFTWARE ENGINEERING

COS 301 - Mini Project

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SIGNATURES: _____ DATE: _____

SOFTWARE REQUIREMENTS SPECIFICATION AND TECHNOLOGY NEUTRAL PROCESS DESIGN

BUZZ SPACE DISCUSSIONS/MINI PROJECT

Version: Version 0.2 Alpha For further references see [gitHub](#). February 26, 2015

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For further references see [gitHub](https://github.com/DieBaber/COS301-GROUP6-A.git) or got to the link <https://github.com/DieBaber/COS301-GROUP6-A.git>

1 Functional requirements



1.1 Introduction

We use this document to give a high level overview of the buzz discussion board. We have identified the various components. Our purpose is to create a dynamic and scalable solution. We also want to include an achievement system that rewards users for using the discussion board. This document will inform you on how we will achieve a system that is both scalable and pluggable. We have identified the use cases of the various components of the discussion board.

1.2 Use case prioritiation

Critical

- BuzzSpace
- CRUD posts(Creating,Reading; Updating; Deleting).
- System Access
- Information Management
- User restriction
- Automatic update of Status

Important

- User Management
- Communication(Notifications)
- Reporting

Nice-To-Have

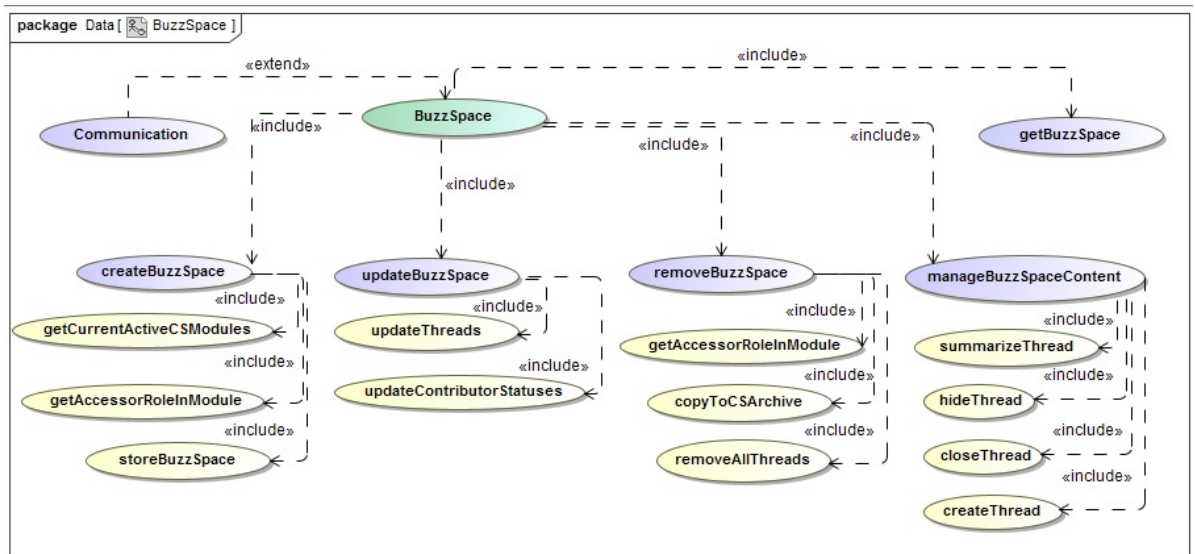
- Achievement/Rewards System
- Reporting
- Summaries

1.3 Use case/Service contracts

Use Case	Pre Condition	Post Condition	Description
BuzzSpace	There must be a valid user	User must still exist	
Information Management			
Communication			
Summaries			
Achievement Rewards System	A user's level requires Achievements to be allocated and/or rewards to be awarded	Achievements are allocated and/or rewards are awarded	
Summaries			
Access			
Summaries			
Validation	Post is palgiarised and/or does not follow netiquette	Post is valid against rules	
User Management			
Reporting	Data must be available to report on.	Data must not be corrupt.	This use case generate report for all actors
Automatic update of the user status	User is logged in , Nothing is posted and old status remains.	User posted and status updated, or User logged out and not updated status old status remains	User logs in and updates his or her status and status is updated

1.4 Required functionality

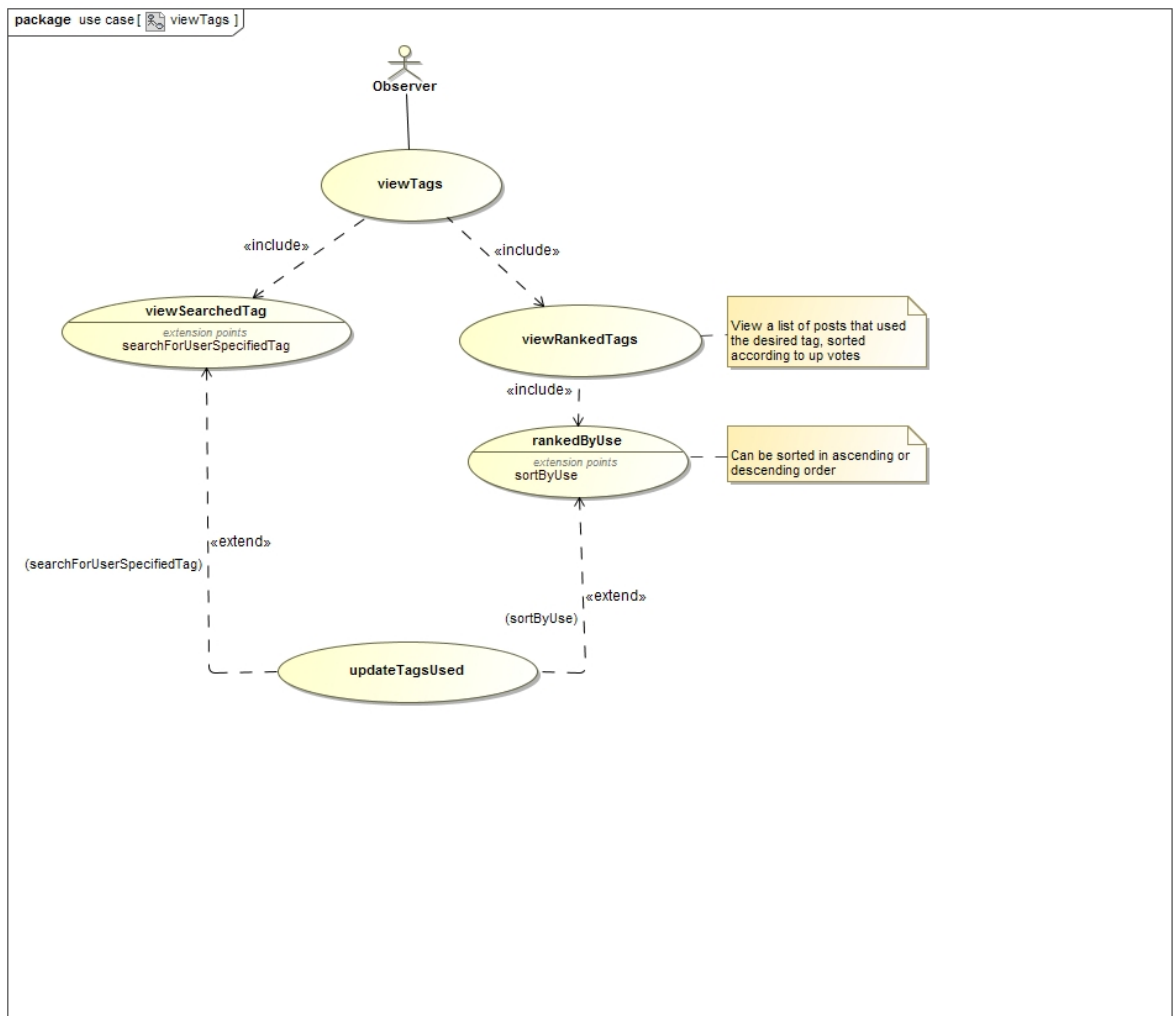
- BuzzSpace



- **Validation.** This module will be used to make sure that post follow certain rules and help generate certain reports regarding these rules.



- **Information Management**

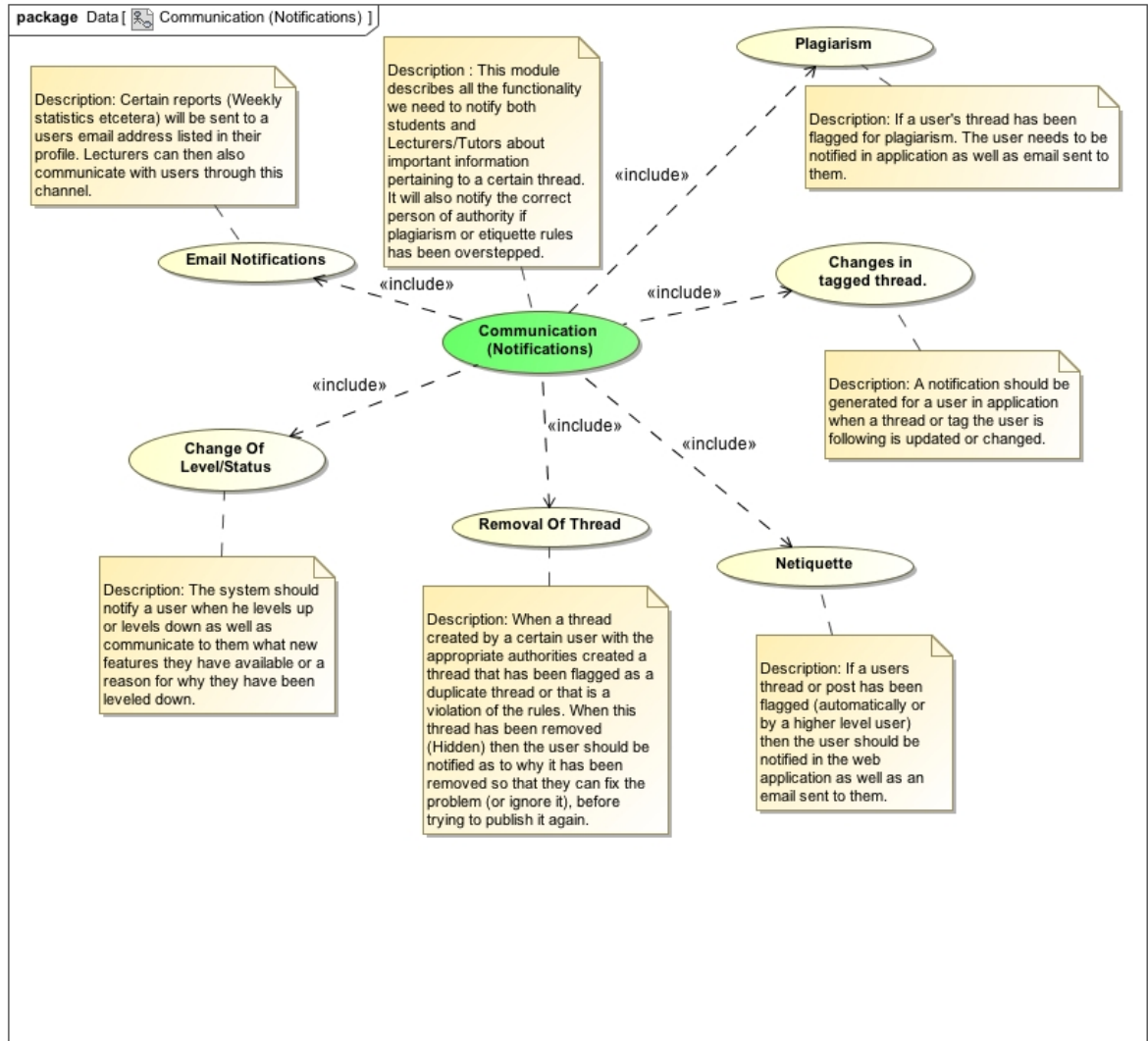


- Reporting.** We will use the reporting module to generate quite a few reports regarding the Buzz Space system. It will be a key player in adding value to lecturers and students. Each student can easily general a report regarding their own contributions towards a Buzz Space. Lecturers will be able to grade student performance and see how much plagiarism has occurred. The system administrators will be able to check for system bugs and see error logs.



- **Communication (Notifications)**

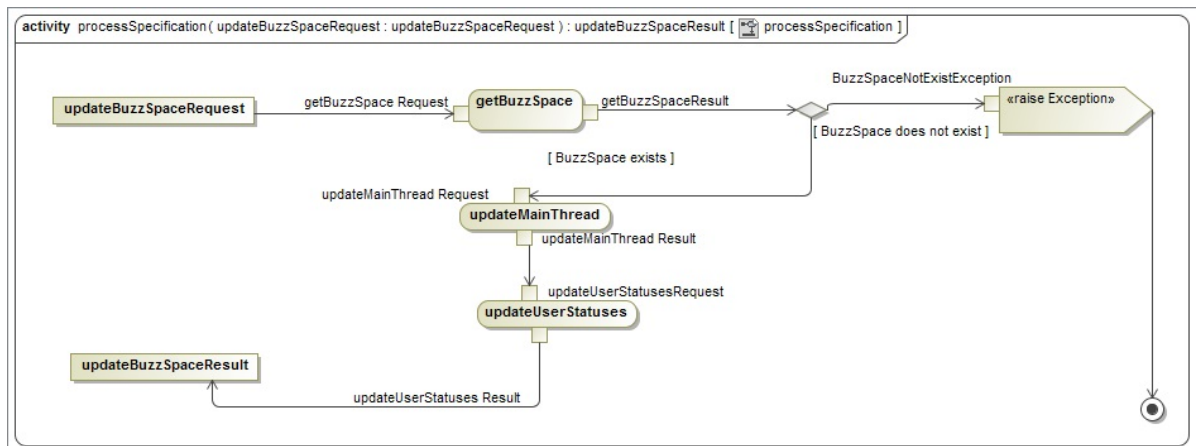
This module describes the way the Buzz System will communicate with its users inside of the application as well as sending information and/or reports from the Buzz system to an external system such as email notifications.



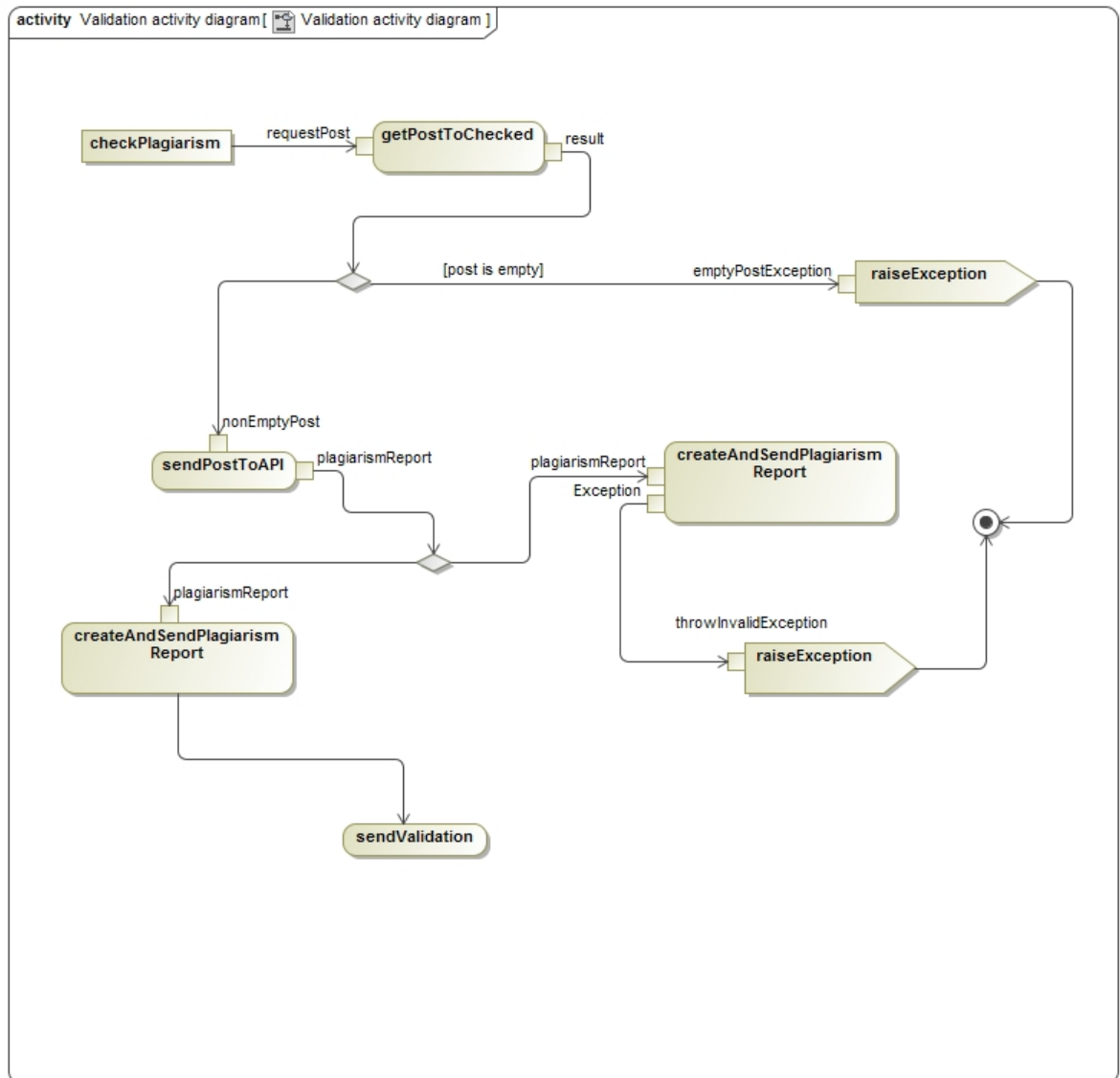
1.5 Process specification

We want to show various important process specification of our recommendation.

- **CreateBuzzSpace**



- Validation



1.6 Domain Model