

UNIVERSITEIT VAN PRETORIA UNIVERSITY OF PRETORIA YUNIBESITHI YA PRETORIA

DEPARTMENT OF COMPUTER SCIENCE

COS 301 - SOFTWARE ENGINEERING

COS 301 - Mini Project

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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 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

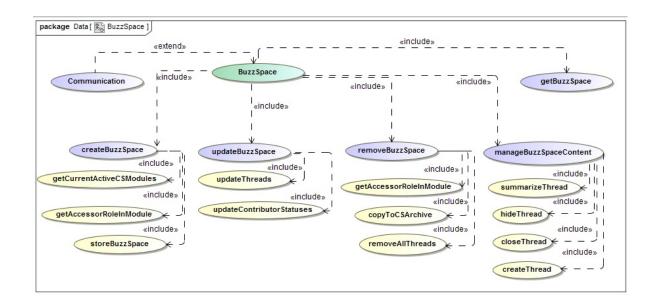
- Achievement/Rewards System
- Reporting
- Summaries

1.3 Use case/Service contracts

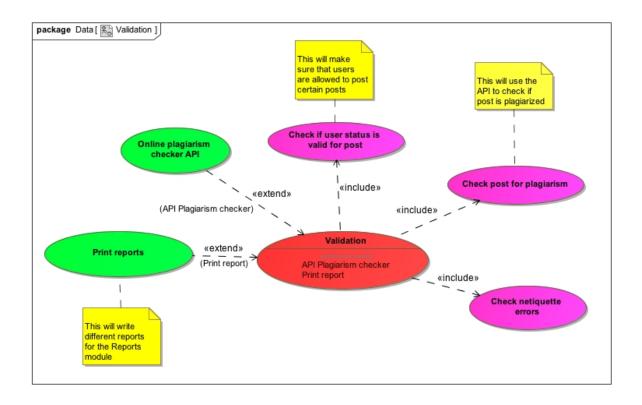
Use Case	Pre Condition	Post Condition	Description
BuzzSpace	There must be a valid	User must still exist	
	user		
Information			
Management			
Communication			
Summaries			
Achievement	A user's level requires	Achievements are allo-	
Rewards System	Achievements to be	cated and/or rewards	
	allocated and/or re-	are awarded	
	wards to be awarded		
Summaries			
Access			
Summaries			
Validation	Post is palgiarised	Post is valid against	
	and/or does not	rules	
	follow netiquette		
User Manage-			
ment			
Reporting	Data must be avail-	Data must not be cor-	This use case generate
	able to report on.	rupt.	report for all actors
Automatic up-	User is logged in ,	User posted and sta-	User logs in and up-
date of the user	Nothing is posted and	tus updated, or User	dates his or her status
status	old status remains.	logged out and not up-	and status is updated
		dated status old sta-	
		tus remains	

1.4 Required functionality

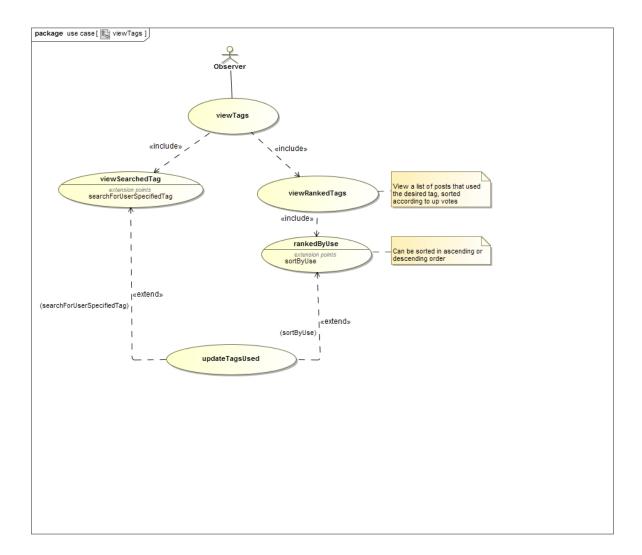
• BuzzSpace



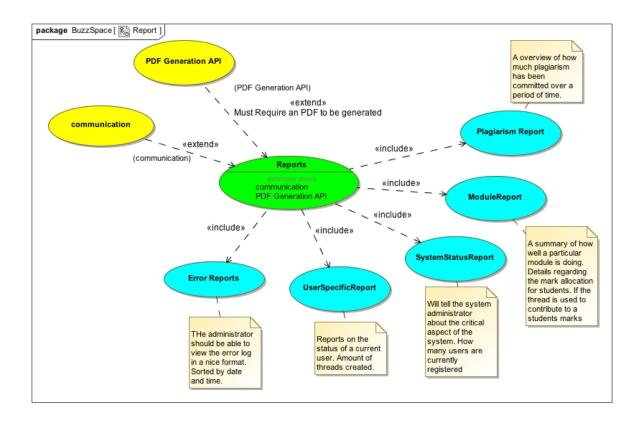
• Validation. This module will be used to make sure that post follow certain rules and help generate certain reports regarding these rules.



• Information Management



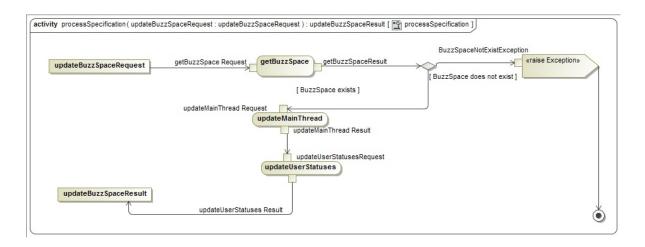
• Reporting. We will use the reporting module to generate quite a few reports regarding the Buzz Space system. It will be a key player in adding value to lecturers and students. Each student can easily general a report regarding their own contributions towards a Buzz Space. Lecturers will be able to 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.



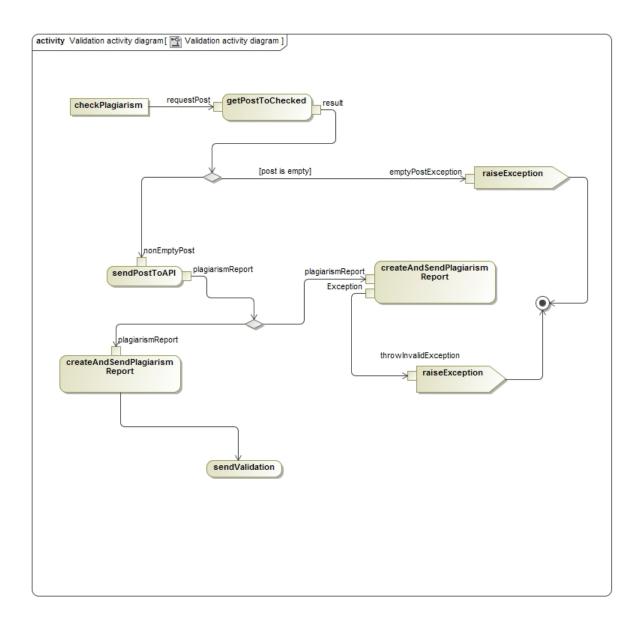
1.5 Process specification

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

• CreateBuzzSpace



• Validation



1.6 Domain Model