COS 301 - Mini Project

Functional requirements and application design

Group 1B

2015

Contents

1 Group Information

1.1 General Information

We used Github as our version control service. The repository can be accessed at: `https://github.com/thinusn/Mini-Project-Requirements-Group-1B`

1.2 Group members

- 13033922 Elzahn Botha

- 12223426 Estian Rosslee

- 13025105 Jaco-Louis Kruger

- 13073878 Daniel Arajo

- 13093500 Paul Engelke

- 13028741 Frikkie Snyman

- 13019602 Thinus Naude

1.3 Contributions to project

Participation

Estian Rosslee (12223426) only attended the two 1-hour meetings we had, **he did not do any of the work presented in this document.** All other members of the group participated fully towards completing the project.

Who did what

- Planning: Everyone

- Use case prioritization: Everyone

- Services contracts: Daniel Arajo, Thinus Naude, Paul Engelke and Frikkie Snyman

- Required functionality: Jaco-Louis Kruger and Thinus Naude

- Process specifcations: Elzahn Botha, Daniel Arajo, Paul Engelke

- Domain Model: Frikkie Snyman

- Latex and Gitgub: Thinus Naude

Github contribution

Figure 1: Github pushes for project.

2 Functional requirements and application design

2.1 Use case prioritization

Critical

A use case which is absolutely essential

- Create, Read/View/Get, Delete and Update of BuzzSpace

- Create, Read/View/Get, Delete and Update of Thread

- Create, Read/View/Get, Delete and Update of Thread Posts

- Authentication

Important

The system would still be useful without some of the important use cases, but the client would get quantifiably less value from the system.

- User (profiles and actions)

- User Communication (Email Templates)

- Tagging

Nice-To-Have

Its a requirement but the value to the clientis insignificant.

- Plagiarism checker

- Netiquette checker

2.2 Services contracts
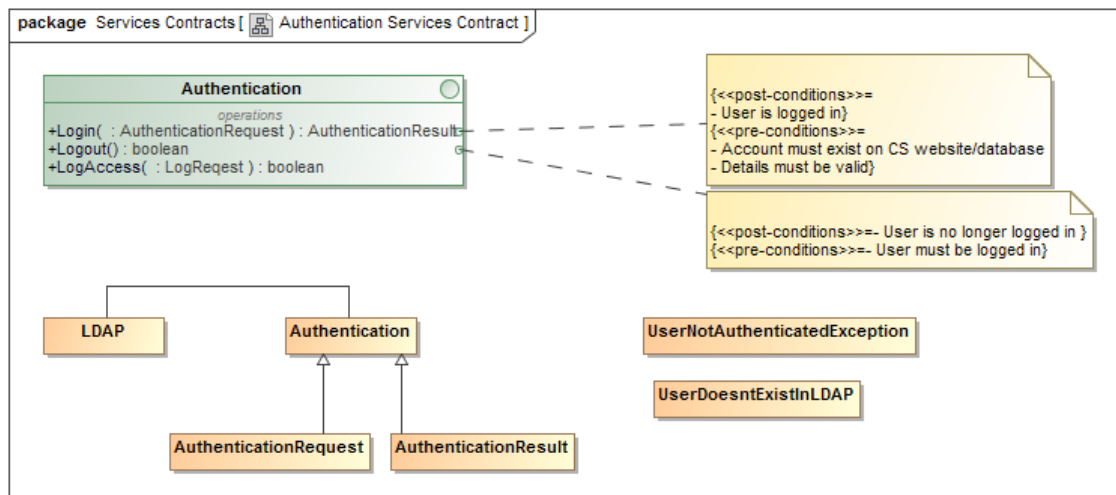
Analytics

Authentication

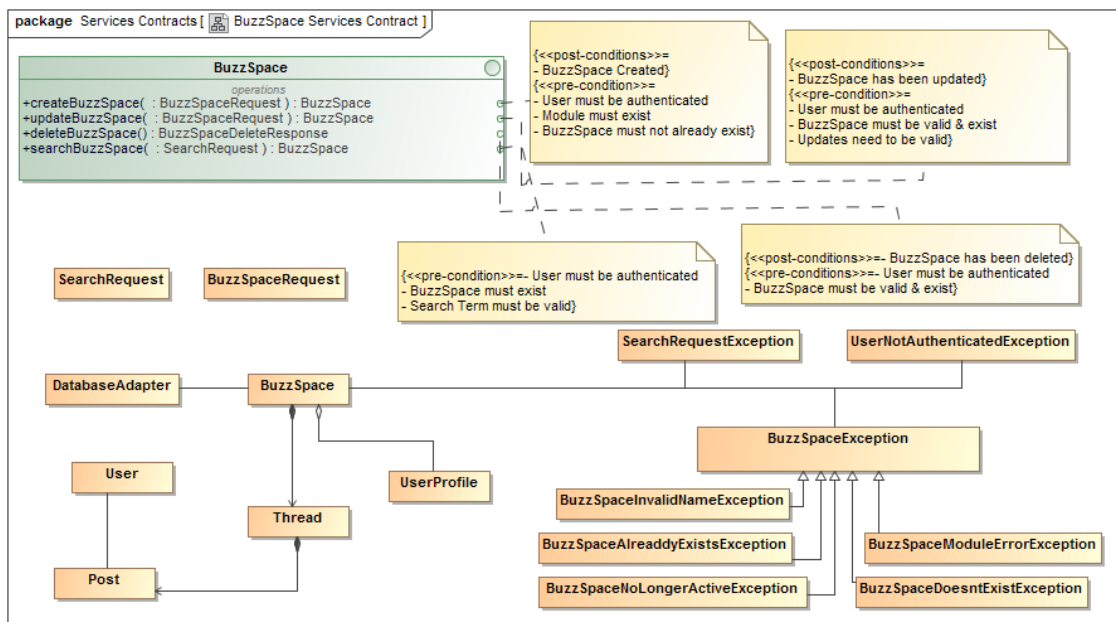Figure 2: Authentication Services contracts.

BuzzSpace

Figure 3: BuzzSpace Services contracts.

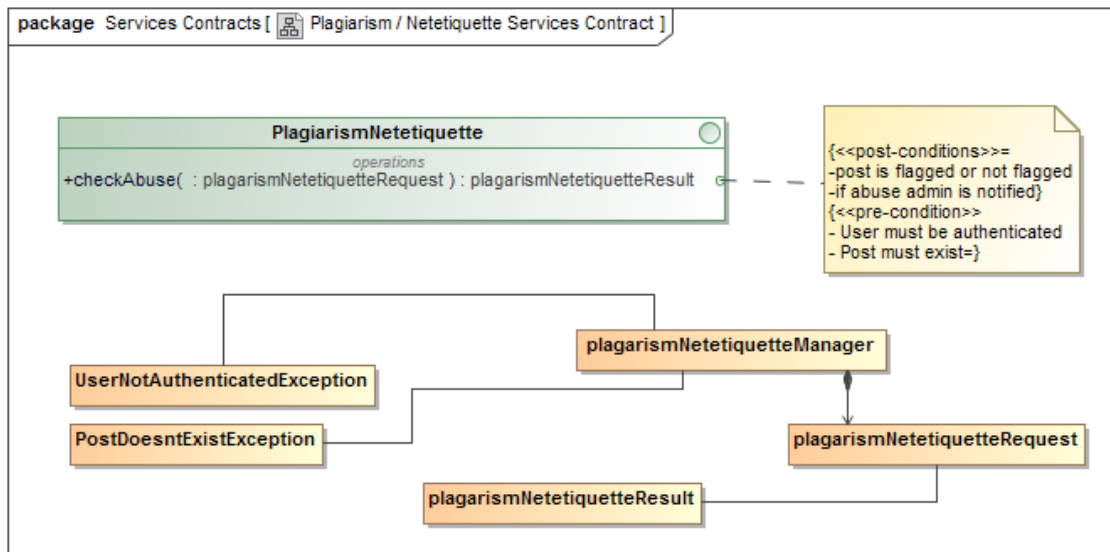# Communication

Plagiarism / Netetiquette

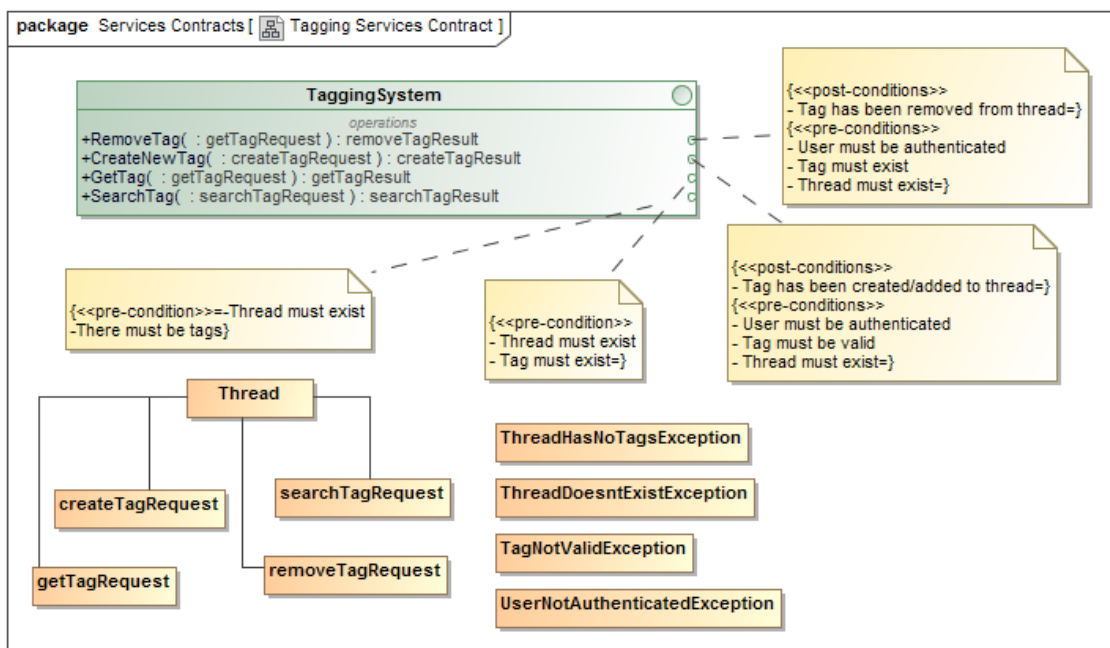Figure 4: Plagiarism and Netetiquette Services contracts.

Tagging

Figure 5: Tagging Services contracts.

Thread

Thread Posts

User

2.3   Required functionality

Analytics

Authentication

BuzzSpace

Communication

Plagiarism / Netetiquette

Tagging

Thread

Thread posts

User

2.4 Process specifcations

Analytics

Authentication

BuzzSpace

Communication
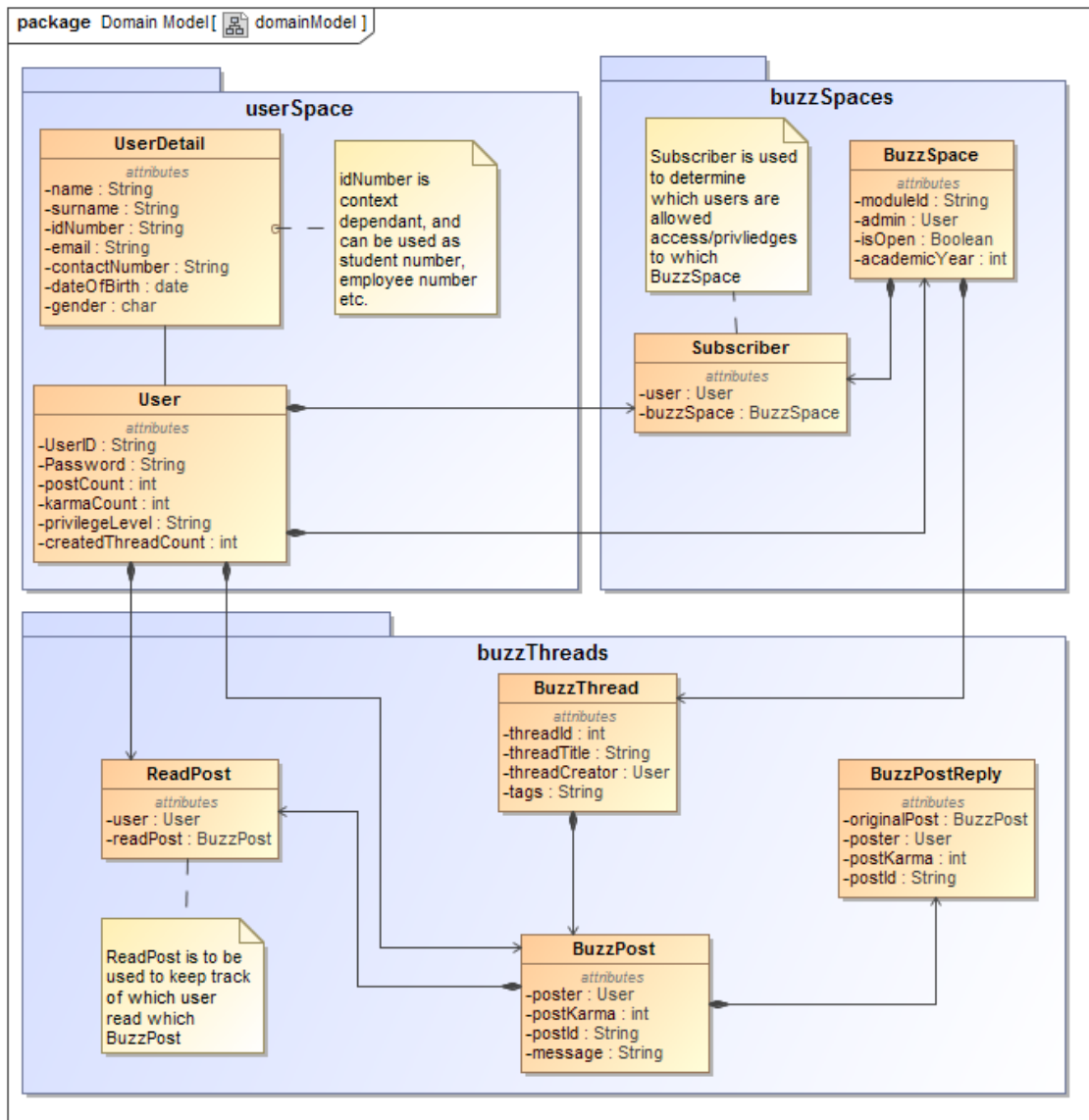
Plagiarism / Netetiquette

Tagging

Thread

Thread posts

User

2.5   Domain Model

Figure 6: Domain model for the discussion board.