

# Functional Requirements

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**Git repository link:**

[https://github.com/u12230830/COS301\\_6b](https://github.com/u12230830/COS301_6b)

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# 1 Functional Requirements

## 1.1 Use case prioritization

Jessica and Michelle

**Critical:** CRUD Posts.

**Critical:** CRUD BuzzSpace.

**Critical:** Login.

Jimmy

Ephi

**Critical:** Management of user profiles.

Thabang

Prenolan

**Important:** Voting on and evaluation of posts.

**Nice-To-Have:** Marking a post as the best answer.

Lutfiyya

**Important:** Evaluation Report

Maria

## 1.2 Use case/ Services contracts

Jessica and Michelle

### 1.2.1 CRUD BuzzSpace

**Pre-Condition:** User who want to create the BuzzSpace must be registered (if for a specific module, user must be registered for that module too) and logged in. User must have the necessary permissions to create, update and delete a BuzzSpace. No BuzzSpace with the same name may be created.

**Post-Condition:** BuzzSpace will be archived for future reference.

**Request and Results Data Structure:**

### 1.2.2 CRUD Posts

**Pre-Condition:** The user must be registered to the BuzzSpace to which he/she wants to CRUD a post. The user must be logged in (except with

read will use Guest user). To update and delete other users posts, the user should have certain permissions before it can be done. User must adhere to length restriction on a certain level. User must have a high enough status to post on a certain level.

**Post-Condition:** If a post is read, it will be displayed as a read post. If a post is updated, everyone who has read that certain post before, will be notified, and also the creator of the thread (even if he has not read it). If a post is deleted, the creator of the thread will be notified. After posting the users status should be changed according to the post. If plagiarism is detected, notify the creator of the thread and BuzzSpace so that they can decide what to do (delete or update that post).

**Request and Results Data Structure:**

### 1.2.3 Login

**Pre-Condition:** User must be registered.

**Post-Condition:** User is now able to create, update and delete posts(his/her own) and have access to other functionality features.

**Request and Results Data Structure:**


Jimmy

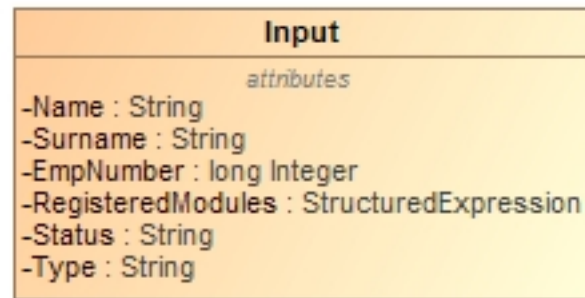
Ephi

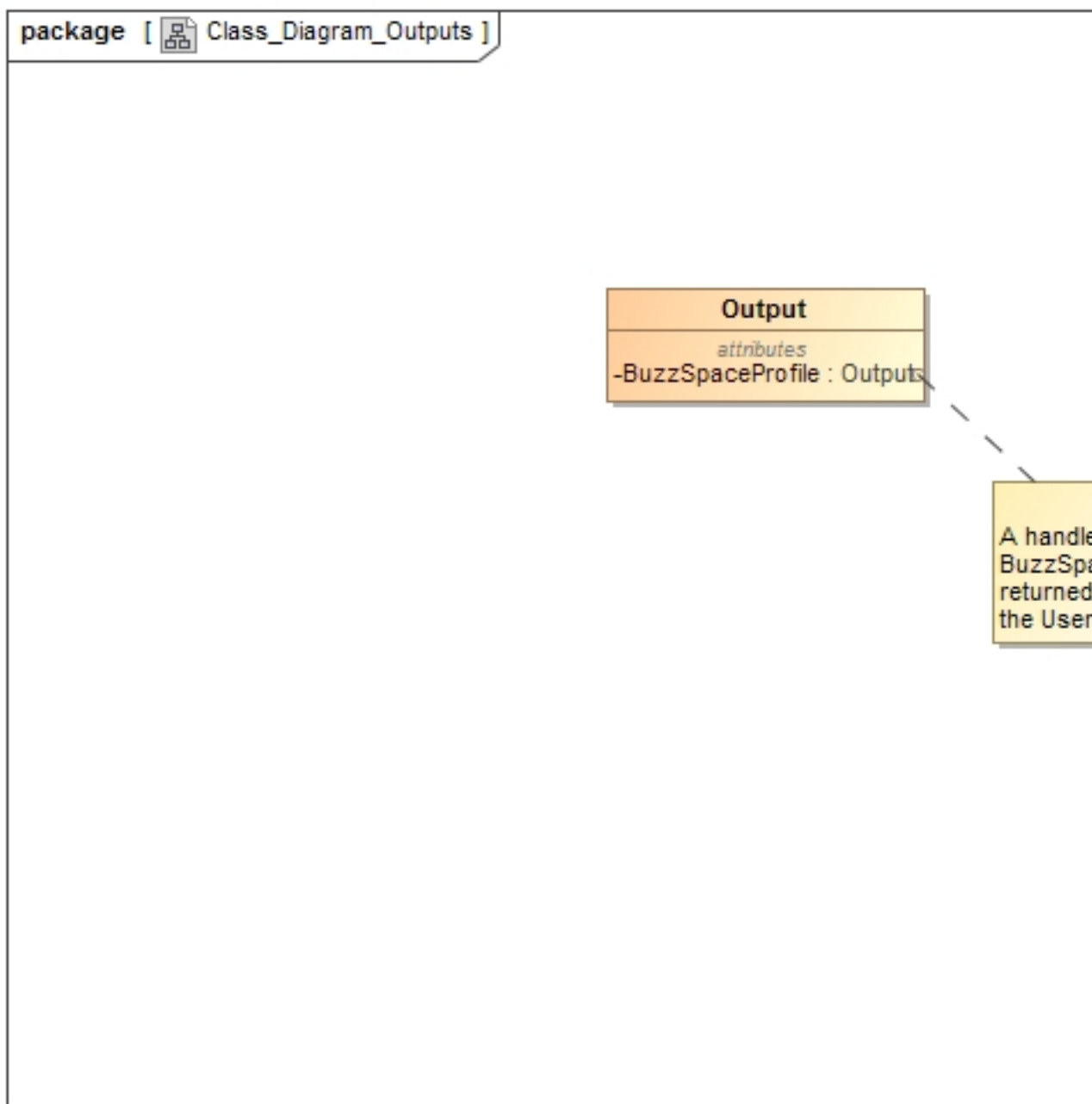
### 1.2.4 Managing User Profile

**Pre-Condition:** A user must be a registered member of the university and a registered member of one or more modules available on the BuzzSpace.

**Post-Condition:** The user is registred and can now login thus it is now possible for the user to comment, tag and vote for threads on the BuzzSpace. The user now has a profile on the BuzzSpce meaning the can have a status, thus enabling diffent functionality at different status levels.

package [  Class\_Diagram\_Inputs ]





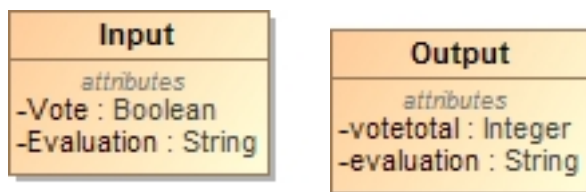
Thabang

Prenolan

### 1.2.5 Voting and Evaluation

**Pre-Condition:** A post has to have been created for a user to be able to vote on or evaluate it. Any user can vote on or evaluate a post as long as the user is logged in and a part of a specific Buzz Space. An exception to this rule is when the administration of a Buzz Space set specific rules as to which users (perhaps based on status) can vote on or evaluate posts.

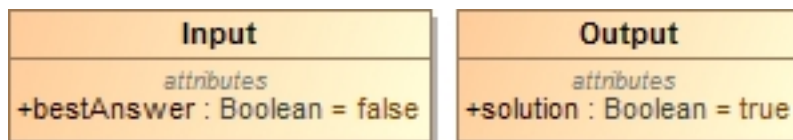
**Post-Condition:** A vote or evaluation has to be visible to every user (or only some based on the administration of that space) after it has been made on a post. A positive vote or evaluation has to reflect upon the posters progress to the next status level.



### 1.2.6 Best Answer

**Pre-Condition:** A user must have the privileges set by the administration of a space in order to mark a post as the best answer. The user is required to be logged in.

**Post-Condition:** The thread should effectively display that an answer has been selected and optionally close the thread. The poster of the best answer should acquire an increase in progress to the next status level.

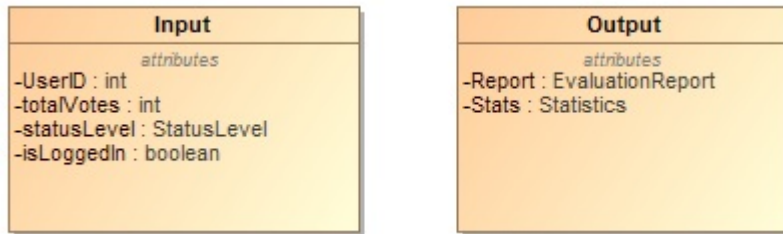


Lutfiyya

### 1.2.7 Evaluation Report

**Pre-Condition:** A lecturer has to be a registered user of a Buzz Space and must also be logged in to be able to generate an evaluation report of the students. The UserID of a participant should exist for reporting purposes.

**Post-Condition:** A lecturer should get statistical information about each student and generate an evaluation report for a participant



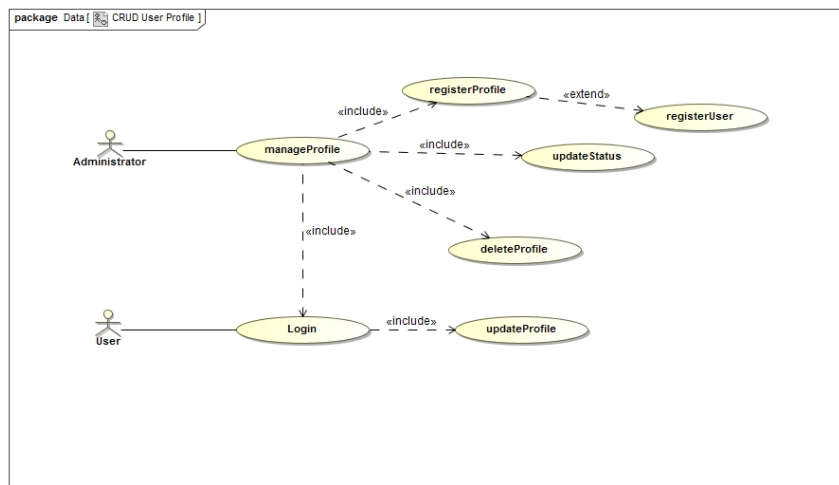
Maria

### 1.3 Required functionality

Jessica and Michelle

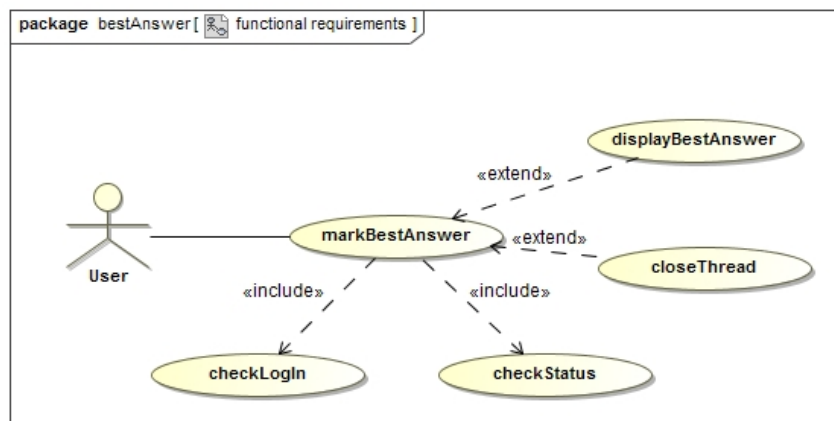
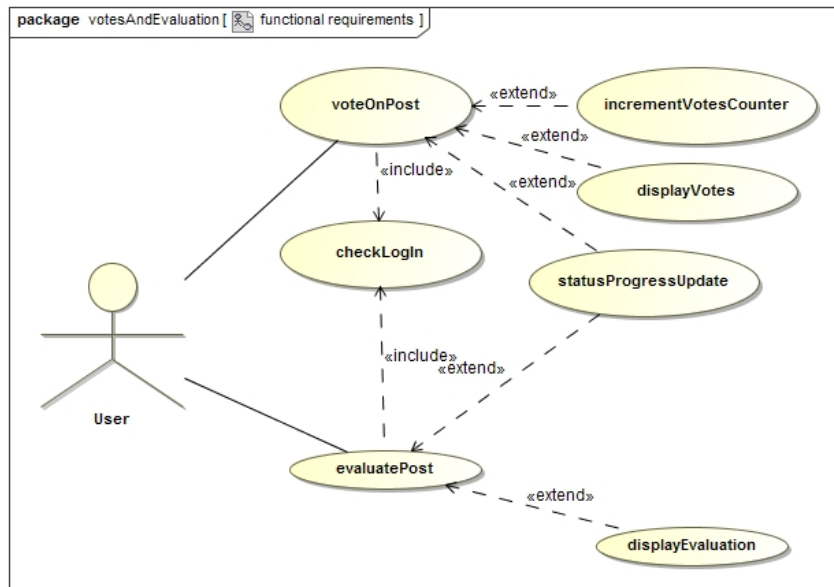
Jimmy

Ephi



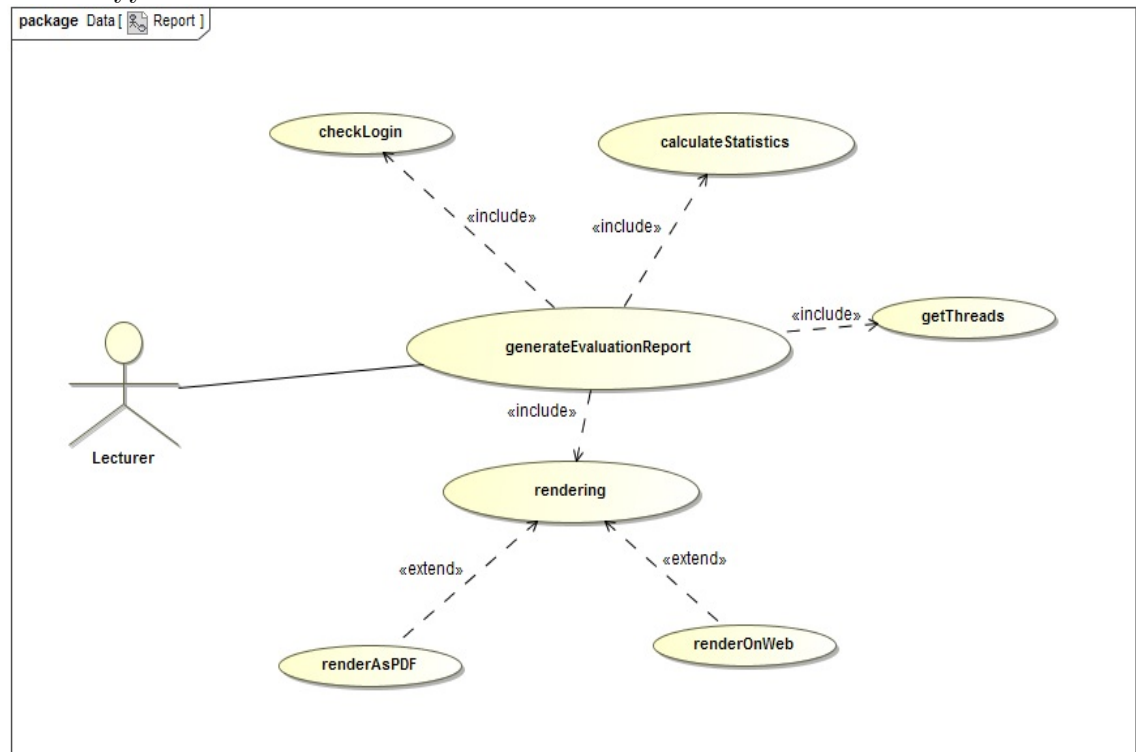
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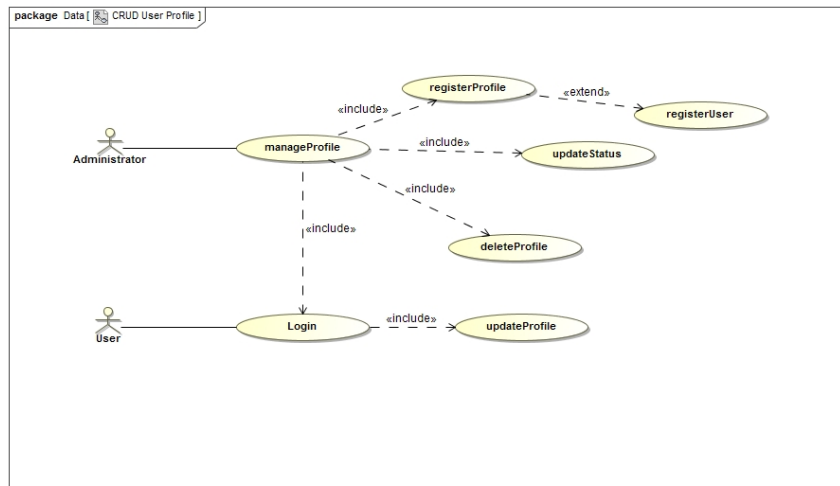
Maria

## 1.4 Process specification

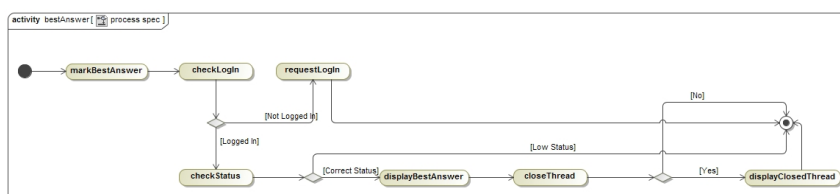
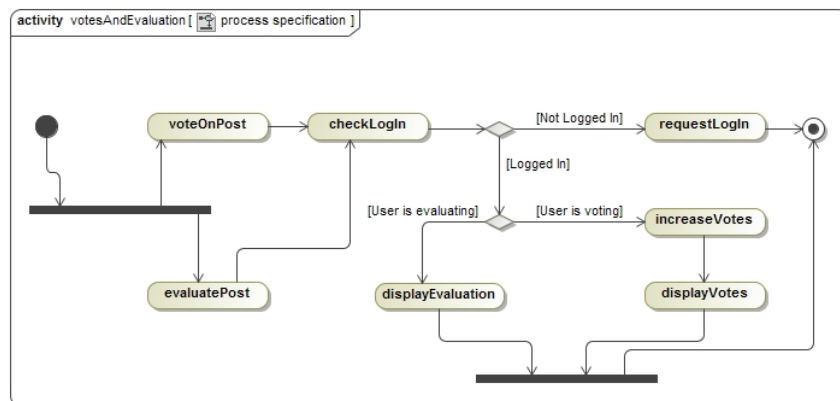
Jessica and Michelle

Jimmy

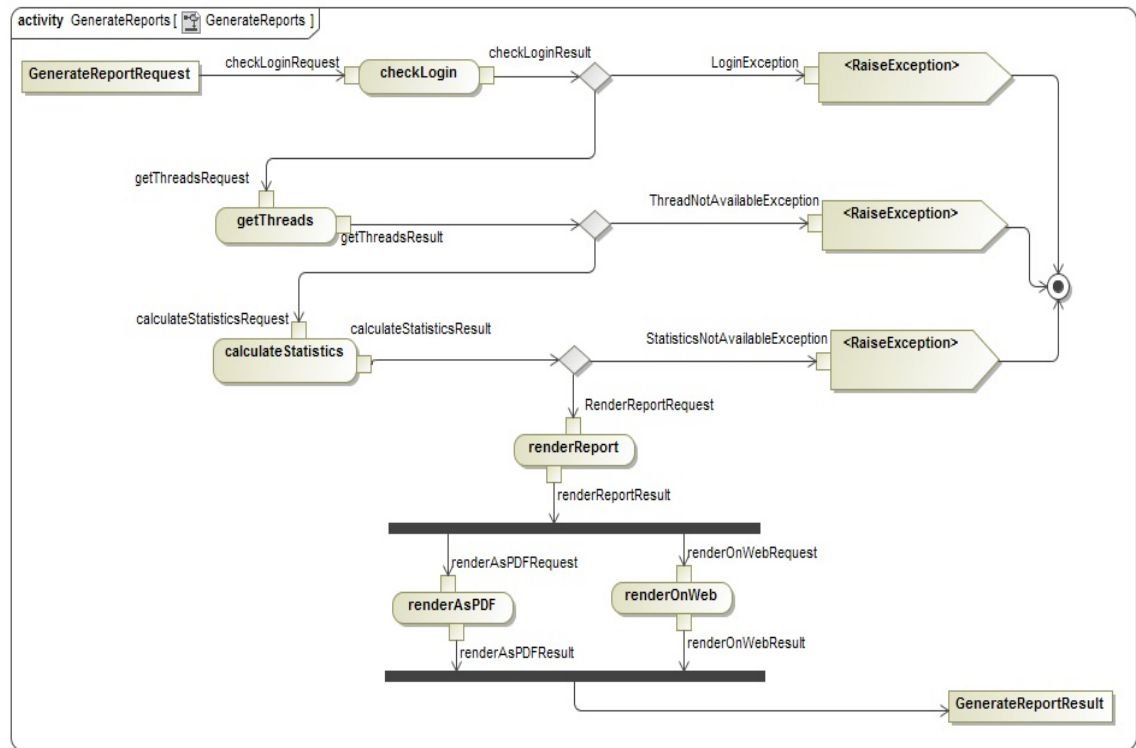
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Thabang  
Prenolan



Lutfiyya



Maria

## 1.5 Domain model