**CIS 375 – Fall 2019 Term Project - BRAINS**

Use Case Specification Document

**5**

**Report Management**

**Version No. 1.0.0**

Project Document Revision History

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| VersionNumber | Date | Revision Author | Description of Revision |
| 1.0.0 | 10/27/2019 | Muaz Alhaidar | Creation of document. |
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# Introduction

This document captures detailed functional and non-functional BUSINESS requirements. Technical or application IT requirements should not be detailed here. A separate Use Case Summary document ties ALL the individual use cases together. First create the Use Case Summary document using application decomposition. Then increase the detail by creating the individual use case specifications – be careful not to create too many or not create enough use cases.

Write a single paragraph describing the purpose of the specific use case in the Introduction.

This use case’s purpose is centered around the control and management of reports created by the Oversight Team and the answered by the Departments. It is the main method of how the Oversight Team will be dictating the work of the Departments on the reports in terms of approving or disapproving their work and changing what the Departments will be reporting on.

# Use Case Information

## Actors

An actor is someone or something (e.g. application system) outside the system or business that interacts with the application. For every Use Case, there must be at least one Main Actor and zero or more Secondary Actors. Actors should be a person, system, or time.

|  |  |  |
| --- | --- | --- |
| Actor Name | Role | Description |
| Oversight Team | Main | This team can create, remove, update, approve, reject, schedule to update, or set a due date of submission for a STENER report. |
| Data Base | Secondary | Stores all of the updated reports and due date values. If a report is removed by oversight, it will be removed from the database. |

## Use Case Interaction

How does this use case relate to other uses cases? List predecessor and successor use cases.

Predecessors:

1. Use case 1: ~
   1. STENERs need to be submitted by the departments in order to be rejected or approved.
   2. STENERs could be removed, and as such the answers will be deleted as well.
2. Use case 2: ~
   1. A user needs to login that has Oversight Team authorization in order to access this use case.
3. Use case 6: ~
   1. A department must be created before a STENER can be created
   2. Use case 6 also dictates whether or not a user will be able to access Use case 5 through whether or not the user has authorization to do so.

Successors:

1. Use case 4: ~
   1. Email notification will be sent when a new STENER is created.
   2. A readable version of the STENER and a STENER progress report can not be made until a STENER report is created.
   3. The readable version of the STENER and a STENER progress report will be removed if the report is removed by Oversight Team.

Purgatory:

1. Use case 3: ~
   1. By nature of this use case, it is inherently a subset of this use case in terms of creation and updating of the STENER.

# Trigger

What causes the use case to initiate?

A user logged in as an Oversight Team member attempts to create, remove, update, approve, reject, schedule to update, or set a due date of submission for a STENER report.

# Pre-condition(s)

What use cases or other pre-conditions must be met before use can initiate?

## A Department has already been created

## The user is logged in as an Oversight Team member

# Post-condition(s)

What are ALL the possible output states upon completion of the use case flows?

## A STENER is created and a due date is scheduled

## A STENER is removed

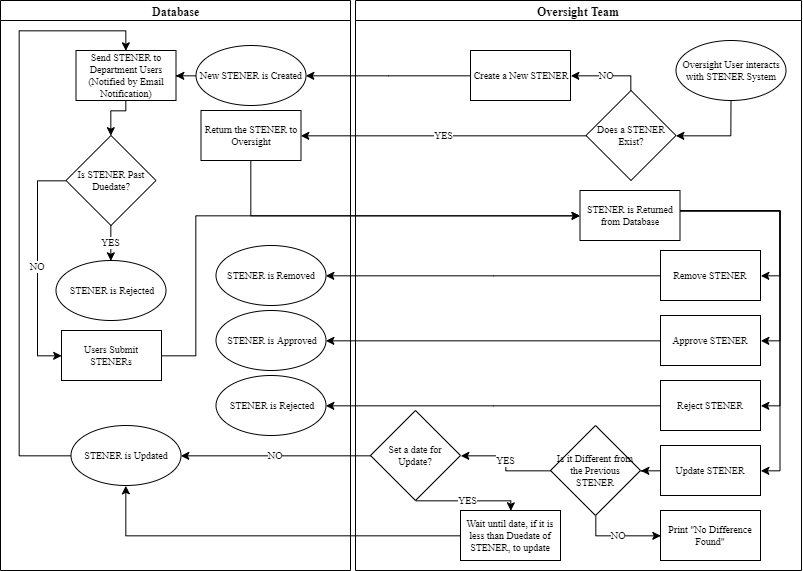
## A STENER is approved

## A STENER is rejected

## A STENER is updated (a change in due date is considered an update of a STENER)

# Use Case Swimlane (Activity) Diagram

Draw diagram(s) that cover ALL main and alternate flows.



# Main/Basic Flow(s) of Events (Happy Path)

For each main flow (usually ONE flow) write the list of steps that occur – describe WHAT occurs not HOW to do it!

## STENER is REMOVED

* A STENER that exists is requested from the Database and reviewed by Oversight Team then rejected.

## STENER is APPROVED

* A STENER that exists is requested from the Database and reviewed by Oversight Team then approved.

## STENER is UPDATED

* A STENER that exists, is requested from the Database, is modified then updated (on the due date if it was requested and is before the submission date of the report).

## STENER is CREATED

* If no STENER exists for the Department, then a new STENER is created and added to the Database.

# Alternate/Exception Flow of Events

For each alternative flow (can be zero or more) write the list of steps that occur – describe WHAT occurs not HOW to do it!

## STENER is REJECTED (because of lateness)

* A STENER that has been submitted by a Department is not submitted by the due date. It is then automatically rejected.

## STENER is REJECTED (by Oversight)

* A STENER that has been submitted by a Department is request from the Database by the Oversight Team. It is then reviewed by the Oversight Team and deemed not up to par. The report is rejected and sent back to the Departments so long as the rejection occurs before the due date of the report.

# Assumptions/Business Rules including Non-Functional Requirements

Be sure to number the assumption/business rules to allow easy reference to them. Business rules will be where non-functional requirements are recorded – have a way to specifically identify non-functional requirements.

# Use Case Specification Review and Signoff

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| --- | --- | --- | --- |
| Review and Signoff of the Use Case Specification | | | |
| Name | Project Team Role | Signature | Date |
| Ahmed, Zakariya | Senior Tech Lead/SPMP manager | Z.A. | 10/28/19 |
| Alhaidar, Muaz | Developer | M.A. | 10/28/19 |
| Longworth, Kevin | Developer | K.L. | 10/28/19 |
| Labut, Cameron | Developer | C.L. | 10/28/19 |
| Majzoub, Mostafa El | Developer | M.M. | 10/28/19 |

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