DDD ASSIGNMENT

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**Detailed Design**

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# INTRODUCTION

This Detailed Design Document provides the overview of User Case 001, which require designing a system in which allows logged in normal user can post a topic and involve discussion with posted topic. It also provides functionality for administrator to manage this system.

## Purpose

The purpose of this document is to realize the requirement for building a forum site for users to post and discuss any posted topic. This detailed design document is used for developers for implementing the requirement.

## Scope

This document just uses to implement the User Case 001 which follow the defined supporting software: MVC 3 and SQL Server 2008.

## Definitions, Acronyms and Abbreviations

|  |  |
| --- | --- |
| **Acronym** | **Reference** |
| UC | User Case |
|  |  |
|  |  |

## References

N/A

## Overview

The following sections will describe more detail design functionalities of UC001 to support for user to create and post any topics, discussion on website for everything they feel interest. It also provide administrator a feature to manage forum by deleting any topic/discussion, lock/unlock topic that not match with the forum policies.

There are two actors for this forum:

* User
* Administrator

# DESIGN SEPECIFICATION FOR UC001

## Summary

Below are main functionalities of user and administrator:

* User
  + View the content of topic
  + Post topic and discussion if user already logged in
* Administrator
  + Included full user functionalities
  + Delete topic/discussion
  + Lock/unlock topic

## Use case diagram



## Activity Diagram

### User login Activity Diagram



### User posts a topic Activity Diagram



### User posts a discussion on topic



### Administrator deletes discussion or topic



### Administrator lock/unlock a topic



## Sequence Diagram

### Login Sequence Diagram



### Post Topic Sequence Diagram



### Post Discussion Sequence Diagram



### Delete Topic Sequence Diagram



### Delete Discussion Sequence Diagram



### Lock Topic Sequence Diagram



### Unlock Topic Sequence Diagram



## Screens Design

N/A

## Class Diagram



## Class Specification (s)

### Classes Summary

### Class Details

#### **Class XYZ**

#### **Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Attribute | Type | Default | Note | Description |
| 01 | [Attribute name] | int |  | Public/ Static | [Description of attribute] |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

#### **Methods**

|  |  |  |
| --- | --- | --- |
| No | Method | Description |
| 01 | [Method Name] | [brief description of method. can be one sentence tell what the method does] |
|  |  |  |
|  |  |  |

#### **[XXX] Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** |  |
| **Description** |  |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
|  |  |
|  |  |
|  |  |
| **Return Type** | |
|  | |
| **Throws** | |
|  | |

##### Implementation