<Project NAME>

To put in a client name select all (ctrl A) then f9Nash Tech Software Development

**Detailed Design**

**Version 1.0**

**7thMay, 2010**

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**APPROVERS**

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# INTRODUCTION

## Purpose

The purpose of the Detailed Design Document is to define the detailed design for all components of the website.

## Scope

This website allows user to post a topic for others to discuss about.

## Definitions, Acronyms and Abbreviations

|  |  |
| --- | --- |
| **Acronym** | **Reference** |
|  |  |
|  |  |
|  |  |

## References

[This subsection should provide a complete list of all documents referenced elsewhere in the Document. Each document should be identified by title, report number (if applicable), date, and publishing organisation. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

## Overview

This DDD is organized as follow :

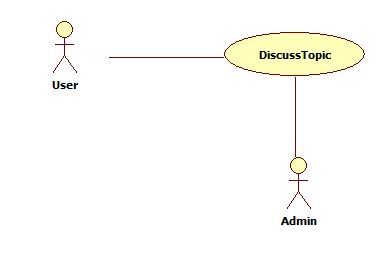
* Section 2.1 is summary of this use case
* Section 2.2 is class diagram of this use case
* Section 2.3 is use case diagram of this use case
* Section 2.4 is activity diagram of this use case
* Section 2.5 is sequence diagram of this use case
* Section 2.6 is class diagram of this use case
* Section 2.7 is classes summary of this use case

# DESIGN SEPECIFICATION FOR < DISCUSS TOPIC USE CASE>

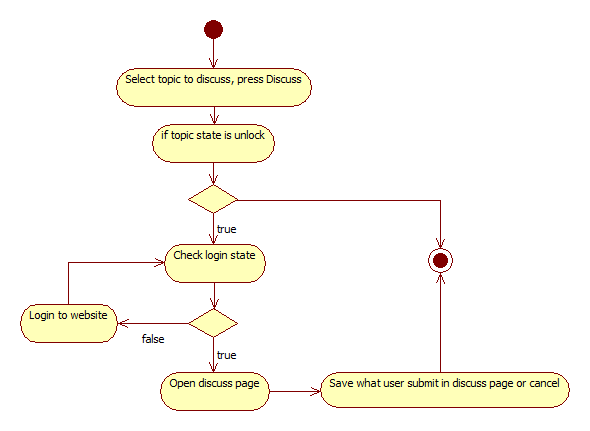
## Summary

This use case describes how the user discusses on a topic.

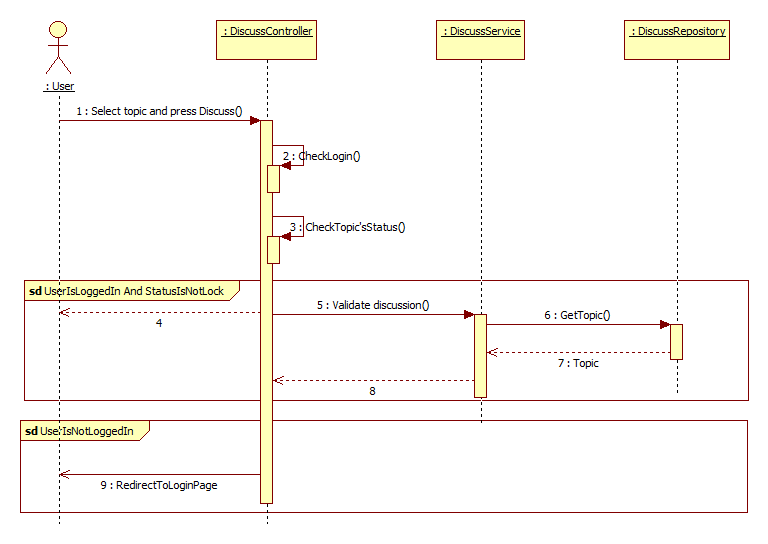
## Use case diagram



## Activity Diagram



## Sequence Diagram



## Screens Design

### Screen XYZ

[Description the purpose of the screen as to ensure the client and developer agrees on its functionality.]

[include screen shot here]

**Security Group**: [List the security groups that may use the screen]

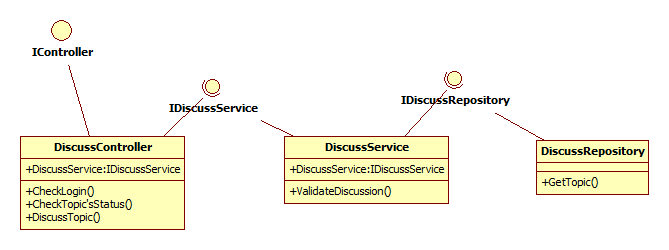
[Describe each field on the screen and how it is derived]

|  |  |  |
| --- | --- | --- |
| No | Data | Data Description |
| 01 | Data XYZ |  |
|  |  |  |

[Describe each action that can be performed from this screen. This usually involves command buttons, menu items, etc.]

|  |  |  |
| --- | --- | --- |
| No | Actions | Action Description |
| 01 | Action XYZ |  |
|  |  |  |

## Class Diagram



## Class Specification (s)

### Classes Summary

To be defined

### Class Details

To be defined

#### **Class DiscussController**

#### **Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Attribute | Type | Default | Note | Description |
| 01 | DiscussService |  |  | Public | Implement IDiscussService which have method to validate discussion |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

#### **Methods**

|  |  |  |
| --- | --- | --- |
| No | Method | Description |
| 01 | CheckLogin | Check if a user is logged in to website. If user is not logged in, he will be redirected to login page |
|  | CheckTopic’sStatus | Check if status of topic is not Lock. If status is lock, user will not be discussed. |
|  | DiscussTopic | Call DiscussService() to validate discussion |

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

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

##### Implementation

[How to implement the method, it can be in pseudo code or activity diagram or just words]

#### **Class DiscussService**

#### **Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Attribute | Type | Default | Note | Description |
| 01 | DiscussRepository |  |  | Public | Implement IDiscussRepository which have method to get topic from database. |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

#### **Methods**

|  |  |  |
| --- | --- | --- |
| No | Method | Description |
| 01 | ValidateTopic | Call DiscussRepository() to get topic from database and to save discussion to that topic. |
|  |  |  |
|  |  |  |

#### **Class DiscussRepository**

#### **Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Attribute | Type | Default | Note | Description |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

#### **Methods**

|  |  |  |
| --- | --- | --- |
| No | Method | Description |
| 01 | GetTopic | Get topic from database |
|  |  |  |
|  |  |  |