DDD HOMEWORK

To put in a client name select all (ctrl A) then f9Harvey Nash Software Development

**Detailed Design**

**Version 1.0**

**7th Nov, 2013**

364 Cong Hoa Street

Harvey Nash Viet Nam

Tel: +44 (0)20 7333 0033

Fax: +44 (0)20 7333 0032

Email: [tho.lechi@harveynash.vn](mailto:tho.lechi@harveynash.vn)

DOCUMENT HISTORY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Document Version History** | | | | |
| **Version** | **Date** | **Author** | **Reviewer** | **Details** |
| 1.0 | 22 Nov 2013 | Tho Chi Le |  | Create |

**APPROVERS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Name & Role | Date | Signature |
| **Originator** |  |  |  |
| **Reviewer/s** |  |  |  |
| **Approver/s** |  |  |  |

CONFIDENTIALITY

This document is distributed on a restricted basis, is commercial in confidence to the recipient, and may not be used for any purpose other than that associated with a Harvey Nash project. The contents of this document may not be disclosed to any third parties without the expressed advance written authorisation of Harvey Nash.

TABLE OF CONTENTS

[CONFIDENTIALITY 1](#_Toc371598407)

[1 INTRODUCTION 4](#_Toc371598408)

[1.1 Purpose 4](#_Toc371598409)

[1.2 Scope 4](#_Toc371598410)

[1.3 Definitions, Acronyms and Abbreviations 4](#_Toc371598411)

[1.4 References 4](#_Toc371598412)

[1.5 Overview 4](#_Toc371598413)

[2 DESIGN SEPECIFICATION FOR UC\_DDDHOMEWORK 4](#_Toc371598414)

[2.1 Summary 4](#_Toc371598415)

[2.2 Use case diagram 4](#_Toc371598416)

[2.3 Activity Diagram 5](#_Toc371598417)

[2.3.1. Login Activity Diagram 5](#_Toc371598418)

[2.3.2. View Topic Activity Diagram 5](#_Toc371598419)

[2.3.3. Post Topic Activity Diagram 6](#_Toc371598420)

[2.3.4. Discuss Topic Activity Diagram 6](#_Toc371598421)

[2.3.5. Delete Topic Activity Diagram 7](#_Toc371598422)

[2.3.6. Lock Topic Activity Diagram 7](#_Toc371598423)

[2.3.7. Unlock Topic Activity Diagram 8](#_Toc371598424)

[2.4 Sequence Diagram 8](#_Toc371598425)

[2.4.1. Login Activity Diagram 8](#_Toc371598426)

[2.4.2. View Topic Activity Diagram 9](#_Toc371598427)

[2.4.3. Post Topic Activity Diagram 9](#_Toc371598428)

[2.4.4. Discuss Topic Activity Diagram 10](#_Toc371598429)

[2.4.5. Delete Topic Activity Diagram 10](#_Toc371598430)

[2.4.6. Lock Topic Activity Diagram 11](#_Toc371598431)

[2.4.7. Unlock Topic Activity Diagram 11](#_Toc371598432)

[2.5 Screens Design 12](#_Toc371598433)

[2.6 Class Diagram 12](#_Toc371598434)

[2.7 Class Specification (s) 12](#_Toc371598435)

[2.7.1. Classes Summary 12](#_Toc371598436)

[2.7.2. Class Details 12](#_Toc371598437)

[**2.7.2.1.** **Class Topic** 12](#_Toc371598438)

[**2.7.2.1.1.** **Attributes** 12](#_Toc371598439)

[**2.7.2.1.2.** **Methods** 13](#_Toc371598440)

[**2.7.2.1.3.** **[ViewTopic] Method** 13](#_Toc371598441)

[**2.7.2.1.4.** **[PostTopic] Method** 13](#_Toc371598442)

[**2.7.2.1.5.** **[DeleteTopic] Method** 14](#_Toc371598443)

[**2.7.2.1.6.** **[LockTopic] Method** 14](#_Toc371598444)

[**2.7.2.1.7.** **[UnlockTopic] Method** 15](#_Toc371598445)

[**2.7.2.2.** **Class User** 15](#_Toc371598446)

[**2.7.2.2.1.** **Attributes** 15](#_Toc371598447)

[**2.7.2.2.2.** **Method** 15](#_Toc371598448)

[**2.7.2.2.3.** **[Login]Method** 16](#_Toc371598449)

[**2.7.2.3.** **Class TopicDiscuss** 17](#_Toc371598450)

[**2.7.2.3.1.** **Attributes** 17](#_Toc371598451)

[**2.7.2.3.2.** **Method** 17](#_Toc371598452)

[**2.7.2.3.3.** **[DiscussTopic]Method** 17](#_Toc371598453)

# INTRODUCTION

This document acts step by step the process business executable

## Purpose

This document acts developer understand clearly what must to do.

## Scope

This document applies to all developer who working in DDD Homework project – Harvey Nash company

## Definitions, Acronyms and Abbreviations

|  |  |
| --- | --- |
| **Acronym** | **Reference** |
| User | Who use system |

## References

## Overview

# DESIGN SEPECIFICATION FOR UC\_DDDHOMEWORK

## Summary

This use-case authentication

## Use case diagram



## Activity Diagram

### Login Activity Diagram



### View Topic Activity Diagram



### Post Topic Activity Diagram



### Discuss Topic Activity Diagram



### Delete Topic Activity Diagram



### Lock Topic Activity Diagram



### Unlock Topic Activity Diagram

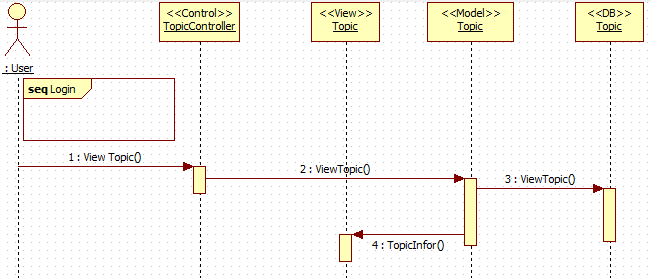


## Sequence Diagram

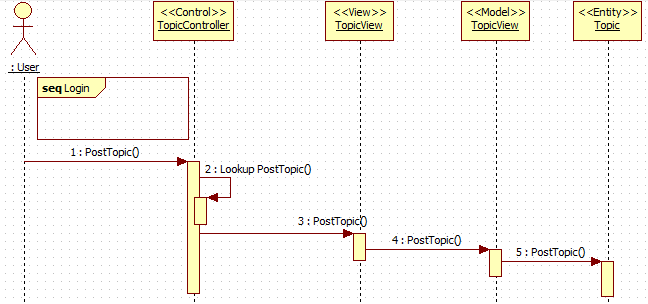
### Login Activity Diagram



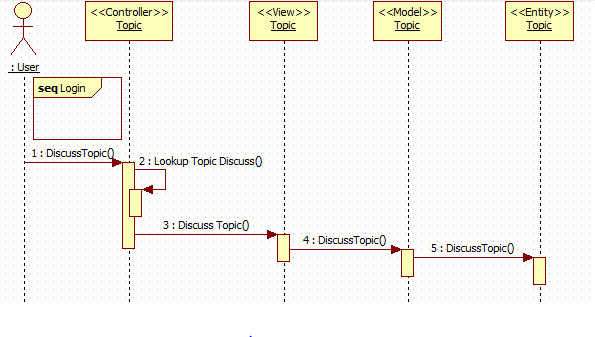
### View Topic Activity Diagram



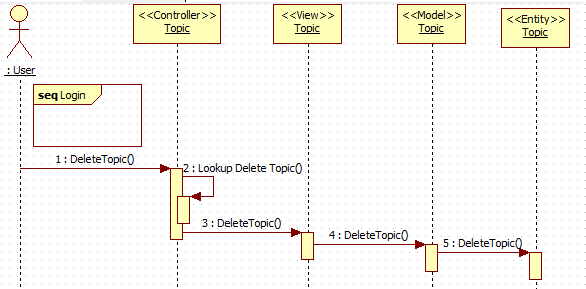
### Post Topic Activity Diagram



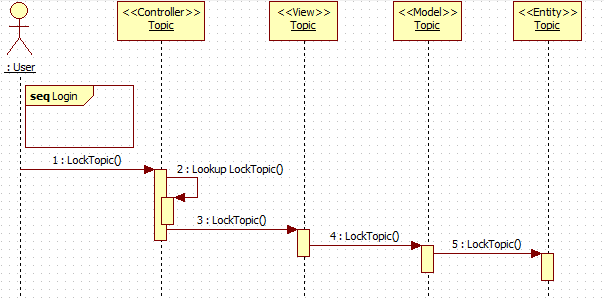
### Discuss Topic Activity Diagram



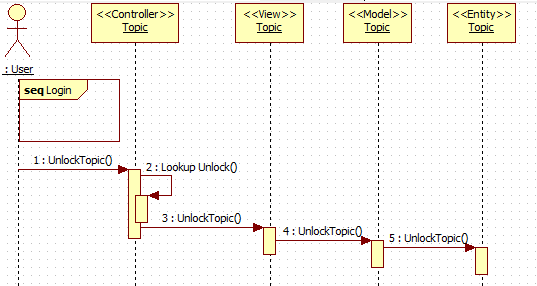
### Delete Topic Activity Diagram



### Lock Topic Activity Diagram



### Unlock Topic Activity Diagram



## Screens Design

## Class Diagram



## Class Specification (s)

### Classes Summary

### Class Details

#### **Class Topic**

#### **Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Attribute | Type | Default | Note | Description |
| 01 | TopicId | String |  | Public | Id of topic |
| 02 | Name | String |  | Public |  |
| 03 | Creator | String |  | Public |  |
| 04 | CreateDate | Datetime |  | Public |  |
| 05 | DiscussId | String |  | public |  |

#### **Methods**

|  |  |  |
| --- | --- | --- |
| No | Method | Description |
| 01 | ViewTopic(string TopicID) | View content of topic |
| 02 | PostTopic() | Post a new topic |
| 03 | DeleteTopic(string TopicId) | Delete a topic |
| 04 | LockTopic(string TopicId) | Lock a topic |
| 05 | UnlockTopic(string TopicId) | Unlock a topic |

#### **[ViewTopic] Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** | **Public ActionResult ViewTopic(string TopicId)** |
| **Description** | View the content of topic |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
| **TopicId** | **string** |
| **Return Type** | |
| View | |
| **Throws** | |
|  | |

#### **[PostTopic] Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** | **Public ActionResult PostTopic()** |
| **Description** | Create a new topic |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
|  |  |
| **Return Type** | |
| View | |
| **Throws** | |
|  | |

#### **[DeleteTopic] Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** | **Public ActionResult DeleteTopic(string TopicId)** |
| **Description** | Delete a topic |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
| **TopicId** | **string** |
| **Return Type** | |
| View | |
| **Throws** | |
|  | |

#### **[LockTopic] Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** | **Public ActionResult LockTopic(string TopicId)** |
| **Description** | Lock a topic |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
| **TopicId** | **string** |
| **Return Type** | |
| View | |
| **Throws** | |
|  | |

#### **[UnlockTopic] Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** | **Public ActionResult UnlockTopic(string TopicId)** |
| **Description** | Unlock a topic |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
| **TopicId** | **string** |
| **Return Type** | |
| View | |
| **Throws** | |

##### Implementation

#### **Class User**

#### **Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Attribute | Type | Default | Note | Description |
| 01 | UserId | String |  | Public | Id of topic |
| 02 | FirstName | String |  | Public |  |
| 03 | LastName | String |  | Public |  |
| 04 | Address | String |  | Public |  |
| 05 | DateOfBirth | Datetime |  | public |  |
| 06 | Username | String |  | Public |  |
| 07 | Password | String |  | public |  |

#### **Method**

|  |  |  |
| --- | --- | --- |
| No | Method | Description |
| 01 | Login(string username, string password) | Login system |

#### **[Login]Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** | **Public ActionResult Login(string Username, string Password)** |
| **Description** | Login system |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
| **Username** | **string** |
| **Password** | **string** |
| **Return Type** | |
| View | |
| **Throws** | |
|  | |

#### **Class TopicDiscuss**

#### **Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Attribute | Type | Default | Note | Description |
| 01 | DiscussID | String |  | Public | Id of topic |
| 02 | TopicID | String |  | Public |  |
| 03 | UserID | String |  | Public |  |
| 04 | DiscussContent | String |  | Public |  |
| 05 | DiscussDate | Datetime |  | public |  |

#### **Method**

|  |  |  |
| --- | --- | --- |
| No | Method | Description |
| 01 | DiscussTopic(TopicDiscuss \_topicdiscuss) | Discuss a topic |

#### **[DiscussTopic]Method**

|  |  |
| --- | --- |
| **Declaration** | |
| **Method Declaration** | **Public ActionResult DiscussTopic(TopicDiscuss \_topicDiscuss)** |
| **Description** | Discuss a topic |
| **Overrides** | |
| Not Applicable. | |
| **Parameter** | |
| **Name** | **Type** |
| **\_topicDiscuss** | **TopicDiscuss** |
| **Return Type** | |
| View | |
| **Throws** | |
|  | |