Design DocumentFinal Vers

U

Generation Engine will evaluate whether the Viewer has permissions to view a particular page before generating it.

SECTION 1: OVERVIEW (CONT.)

Design Overview

forward and we need help and advice on technical matters, this may become a problem. *Update:* Dan has been extremely difficult to get a hold of, as feared.

C. Personnel Constraints

    i. All of the team members are either working part-time or full-time jobs or attending other summer school classes in addition to ICS 125. This means that the time that each team member0 TDto dedicateDto the project is finiteDah potentially more limited than is required to adequately finish the project in the allotted time.

D. Beta Platform

    i.

Personal Strengths: Siu is able to socialize and work well with others both inside and outside of a group project-type environment. He is a7 organized and responsible individual who finishes assig7ed tasks on time.

<u>Austin Lee</u>

Technical Strengths: Austin is a programmer with knowledge in Java, Visual Basic, C++, and other languages. Although he is not familiar with PHP, he ca7
Personal Strengths: Austin had been a researching intern in a research center
quickly pick up new programming languages.
in Korea (Samsung Advanced Institute of Technology). His solid mathematical background could help others with logical problems.

Fang Ming Lo

_____

Technical Strengths: Ming is knowledgeable in Java and C++. He has also used HTML in the past, and although he may be a bit rusty with it, he is confident he ca7 pick it up fast. He is currently trying to learn .NET and is interested in learning the new and useful240 -27.753a 1de roblems47.j 114.75 0 TD /F5 9.75 Tf 0 Tc 0.31

Staff Organization

Team Members:

Patrick Walsh   91105649

Siu Leung   51390400

Tina Alinaghian   57291129

Fang Ming Lo   52013421

Austin Lee   50792270

Schedule of Leadership Resources:

The leadership rotation schedule of Team 10 is based on the schedule of the class. Since there are five deliverables, each team member is responsible for a deliverable and takes leadership of the group for that deliverable. The following is the leadership rotation schedule for each deliverable:

Deliverable	Due date	dershi

Pages.BO

- GetPageIDList()
- RemovePage()
- GetPage()

- GetPermittedCategoryIDList()
- AddCategory()
- RemoveCategory()
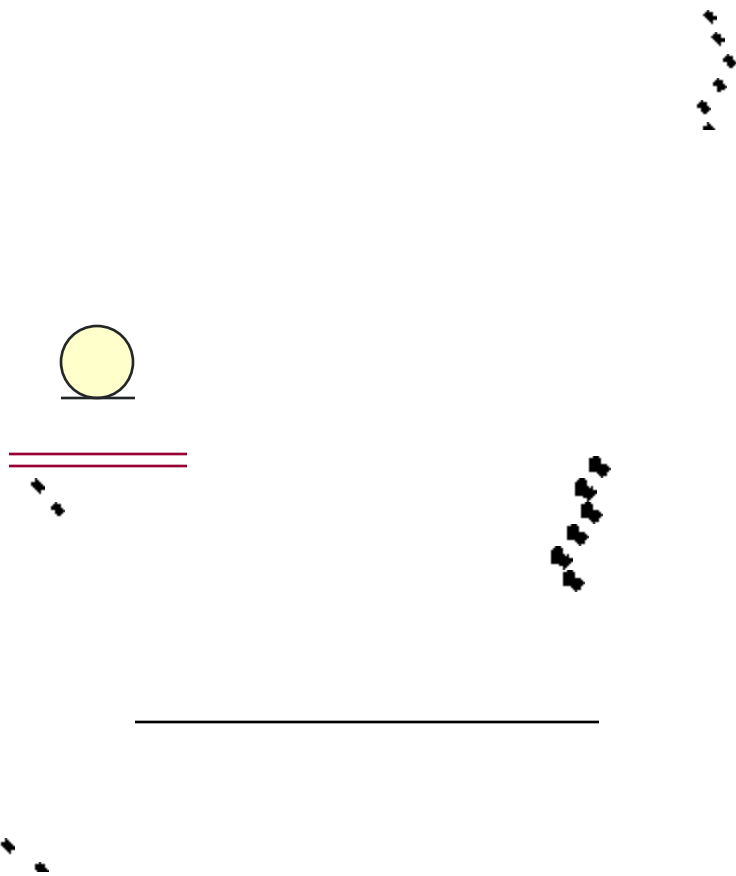- SaveCategoryInfo()
- GetCategory()
- SaveCategoryPerms()

- can_read_page()
- can_write_page()
- is_admin()
- grant_user_permissions()

HeaderFooter.BO

- GetSiteHeader()
- GetSiteFooter()
- SetSiteHeader()
- SetSiteFooter()

- GetLeftBlocks()
- GetRightBlocks()
- GetAvailableBl

PageGenerator.UI

Contributor.ManagePage.UI

EditPage()
ManagePages()

(from wcm-common)

◆GetPermittedCategoryIDList()
◆AddCategory()
RemoveCategory()
◆SaveCategoryInfo()
◆GetCategory()
◆SaveCategoryPerms()

HeaderFooter.BO

◆GetSiteHeader()
◆

(from wcm-gw)

ChangeTheme()

SelectBlocks()

SitePreferences.SO

The classes shown in the hierarchy above are a screen shot from Rational Rose. Rational Rose is a fantastic program, but I have a few issues with it. The first is that there is no way to print out or export this hierarc hical view, nor is there an easy way to print out selected specification information. Specifically, each class above has a list of functions or properties with parameters, descriptions, etc. The best I can do is print out a comprehensive list of the specifications. This is a textual representation of all of the data in the classes. It comes out to 171 pages. I'll put a sample here, but I suspect more than that would be overkill.

ACL.BO

Package: wcm-common
Stereotype: control
External Documents:
Export Control: Public
Cardinality: 1..1
Hierarchy:
Superclasses: none
Associations:
<no rolename> : Blocks.BO in association <unnamed>
<no rolename> : Categories.BO in association <unnamed>
<no rolename> : HeaderFooter.BO in association <unnamed>
<no rolename> : Pages.BO in association <unnamed>
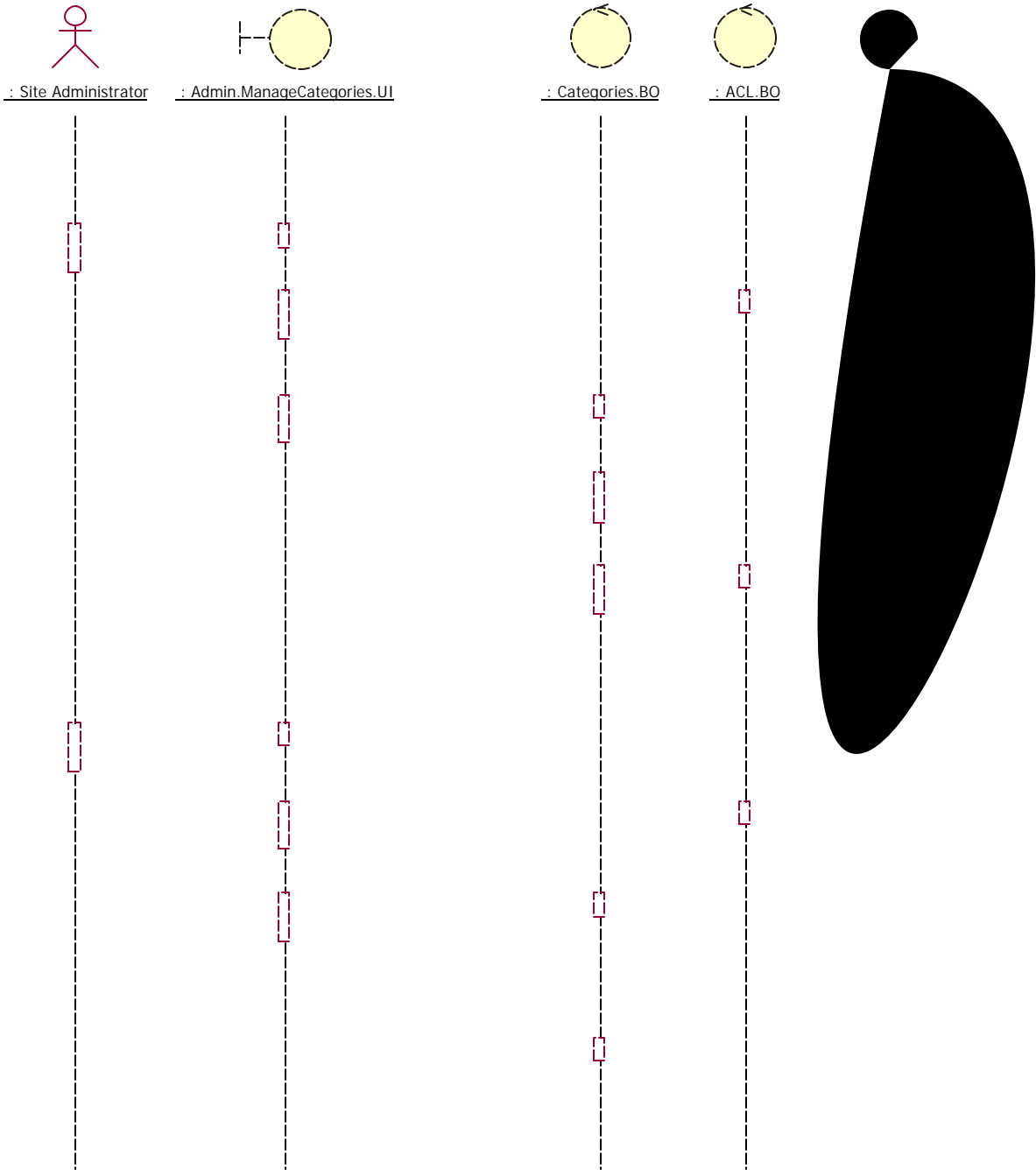<no rolename> : phpNuke .Compatibility.BO in association <unnamed>
<no rolename> : Theme.BO in association <unnamed>
Public Interface:
Operations:

Public member of:

        ii) Alternate Course 1

        iii) Alternate Course 2

   b) Classes

      i) Boundary

        (1) Admin.ManageCategories.UI

      ii) Control

        (1) Categories.BO

        (2) ACL.BO

      iii)

: Site Administrator   : Admin.ManageCategories.UI   : Categories.BO   : ACL.BO

Categories.SO

(from wcm-common)

GetFullCategoryIDList()
AddCategory()
RemoveCategory()
SaveCategory()
GetCategory()

ACL.BO

can_read_page()
can_write_page()
is_admin()
grant_user_permissions()

(from wcm-common)

id
name
description

EditCategory Use Case

Contents:

1)₁:

        (2)   ACL.BO

   iii) Entity

        (1)   Categorie91 0 Ta5 0 is75 745.5 TD 0ye91 0 C2C2C2C2C2C2C2C2Q.1

(from wcm-gw)

(from wcm-common)

Categories.SO

(from wcm-common)

◆GetFullCategoryIDList()
◆AddCategory()
◆RemoveCategory()
◆SaveCategory()
◆GetCategory()

Category.SO
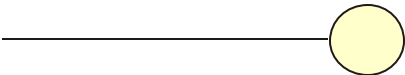
(from wcm-common)

id
◆name
◆description

EditSite Content Use Case

Contents:

1) EditSite Use Case Realization

    a)   Sequence Diagrams

        i)   Basic Course

        ii)   Alternate Course 1

        iii)   Alternate Course 2

b) Classes

   i) Boundary

     (1) Admin.ManageSiteContent.UI

   ii) Control

     (1) HeaderFooter.BO

     (2) Theme.BO

     (3) ACL.BO

   iii) Entity

     (1) SitePreferences.SO
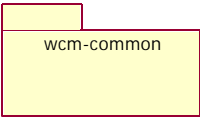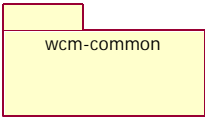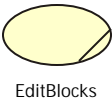
Diagrams:

EditBlocks Use Case

Contents:

1) EditBlocks Use Case Realization

    a)   Sequence Diagrams

        i) Basic Course

        ii) Alternate Course 1

        iii) Alternate Course 2

    b)   Classes

        i) Boundary

            (1)   Admin.PHPNuke.UI

        ii) Control

            (1)   Blocks.BO

            (2)   ACL.BO

        iii) Entity

            (1)   Blocks.SO

Diagrams:

EditBlocks

wcm-common

wcm-common

Blocks.SO

ChangeTheme()
SelectBi 0562s()

(from wcm-common)

GetLeftBlocks()
GetRightBlocks()

(from wcm-pub)

is_admin()
is_user()
title()
online()
getusrinfo()
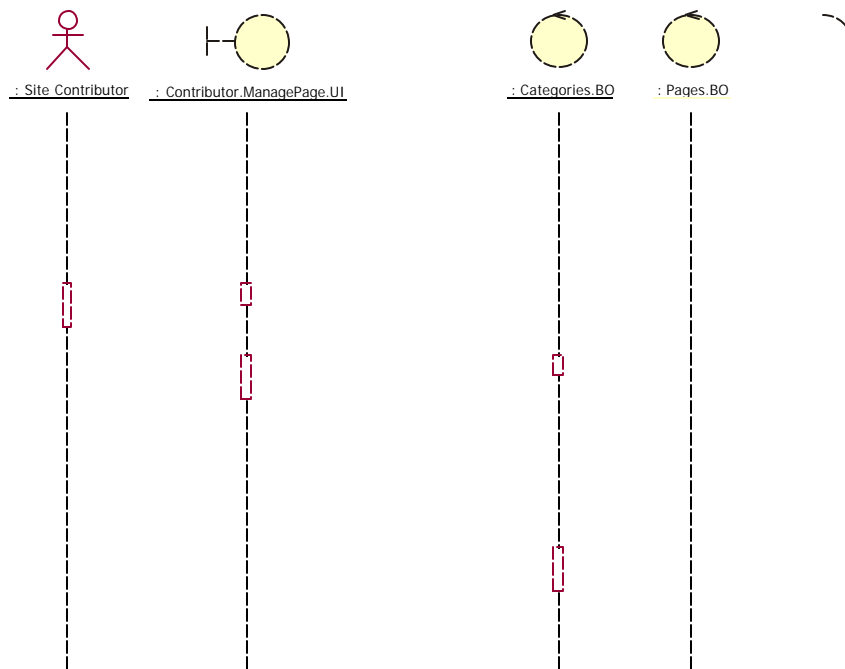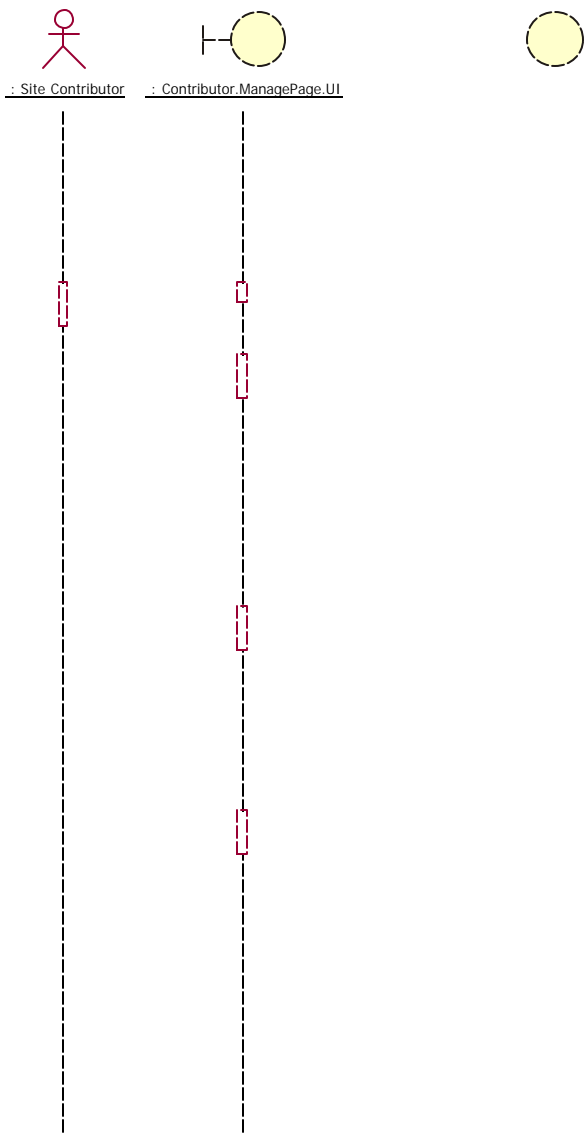loginbox()
foot_msg()
cookiedecode()

ACL.BO

(from wcm-common)
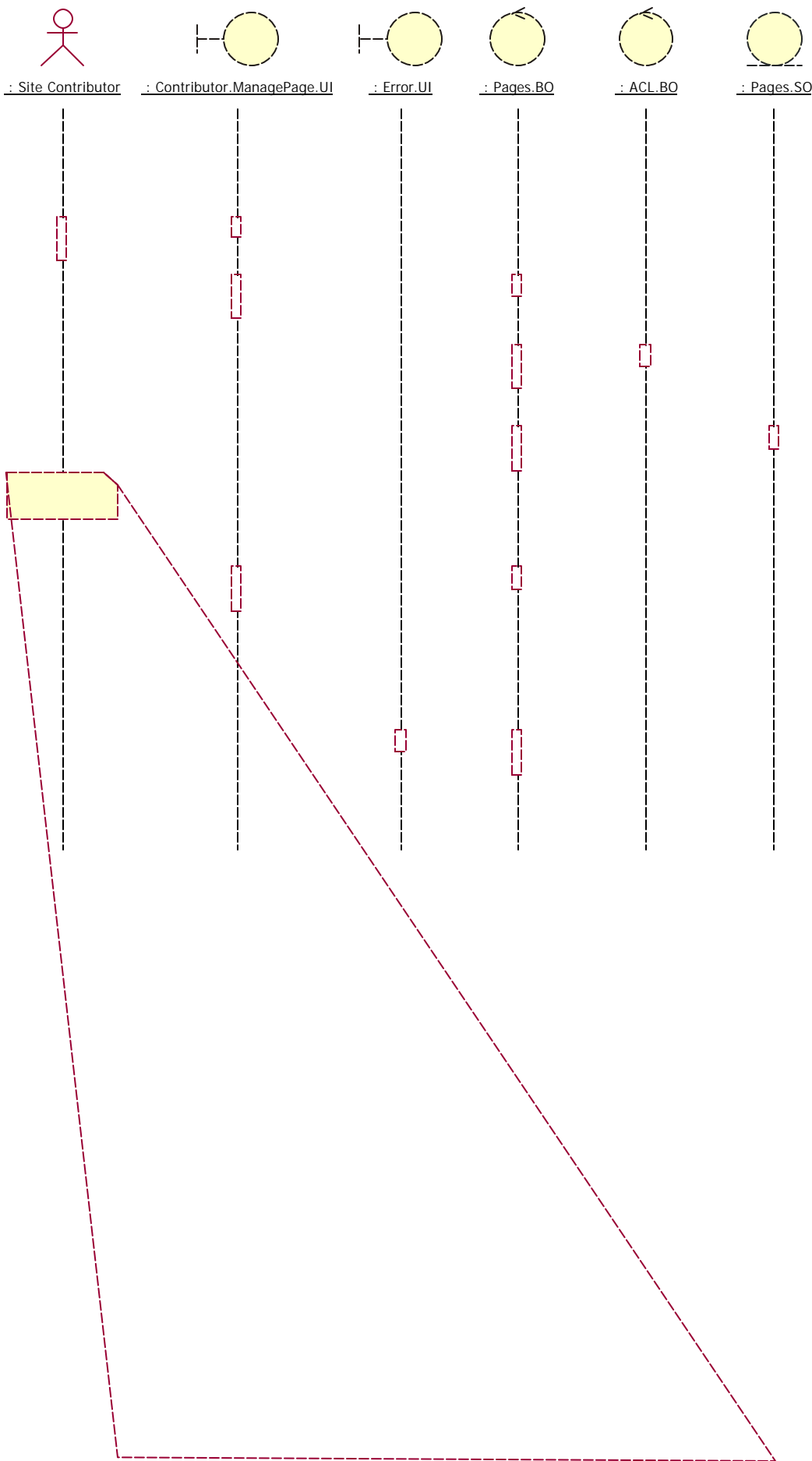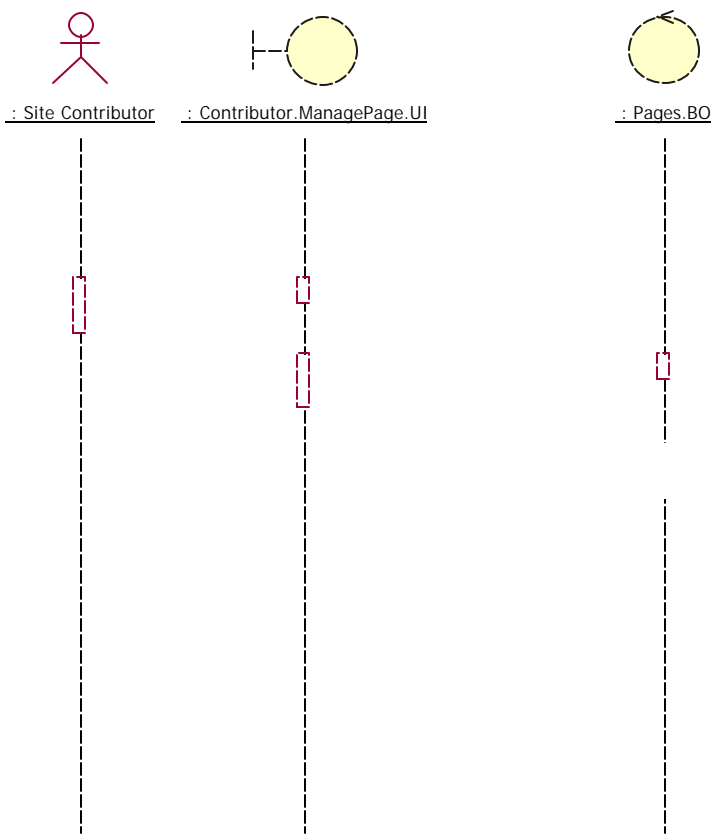
can_read_page()
can_write_page()
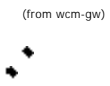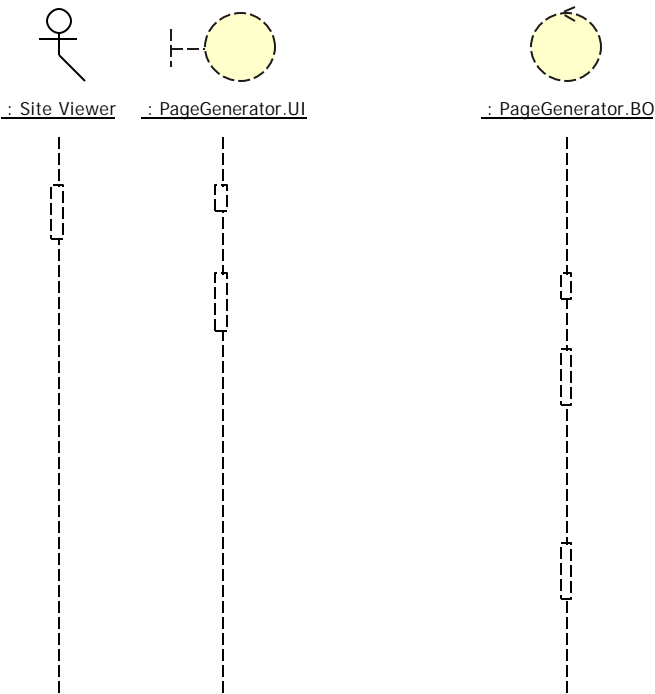is_admin()

: Site Contributor

: Site Contributor   : Contributor.ManagePage.UI   : Categories.BO   : Pages.BO

: Site Contributor : Contributor.ManagePage.UI

Categories.BO

GetPermittedCategoryIDList()
AddCategory()
RemoveCategory()
SaveCategoryInfo()
GetCategory()
)

(from wcm-common)

GetFullCategoryIDList()
AddCategory()
RemoveCategory()
SaveCategory()
GetCategory()

ACL.BO

(from wcm-common)

can_read_page()
can_write_page()
is_admin()

EditPage use Case

Contents:

1) EditPage Use Case Realization

    a)   Sequence Diagrams

        i)   Basic Course

        ii) Alternate Course 1

        iii) Alternate Course 2

    b)   bClasse

: Site Contributor   : Contributor.ManagePage.UI   : Error.UI   : Pages.BO   : ACL.BO   : Pages.SO

: Site Contributor   : Contributor.ManagePage.UI   : Pages.BO

Pages_SO

◆GetPageIDList()
◆AddPage()
◆
◆GetPage()
◆SavePage()

: Site Viewer   : PageGenerator.UI   : PageGenerator.BO
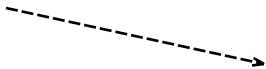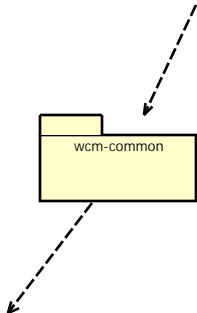
◆DisplayPage()
◆DisplayTOC()
◆DisplayFullIndex()
◆DisplayCatPages()

wcm-common

Pages.SO   under the category id.

the text field.   X project."

Integration Testing

Test

Case

ID7 36 2.25 0 77875 74544137c 1.003Items beon w (Test) Tj 0 -18018T* 0.042 Tc 3 Ted Tw (6) T

( )Test3 75e   o0vO43a 89 d TC1.22Add04914l87esD)3Tl th F0ve   ⁄B4

2. Do a permission checks.

3. After permission is checked, headerfooter editing page appears.

4. Input "Team X project" into header text field and "Copy righted 2002" into

		3. Click "Save" button.	category in category-managing page.	
8	remove a page	Clicking "Remove" button in category-managing page.	1. The removed page should be removed from phpGroupWare data backend. 2. The removed page name should be removed from the list of pages in the category.	1. Correct! 2. Correct!
9	Edit a pageC	▉ l	i c	n n

The page title should be removed from the category in the category-

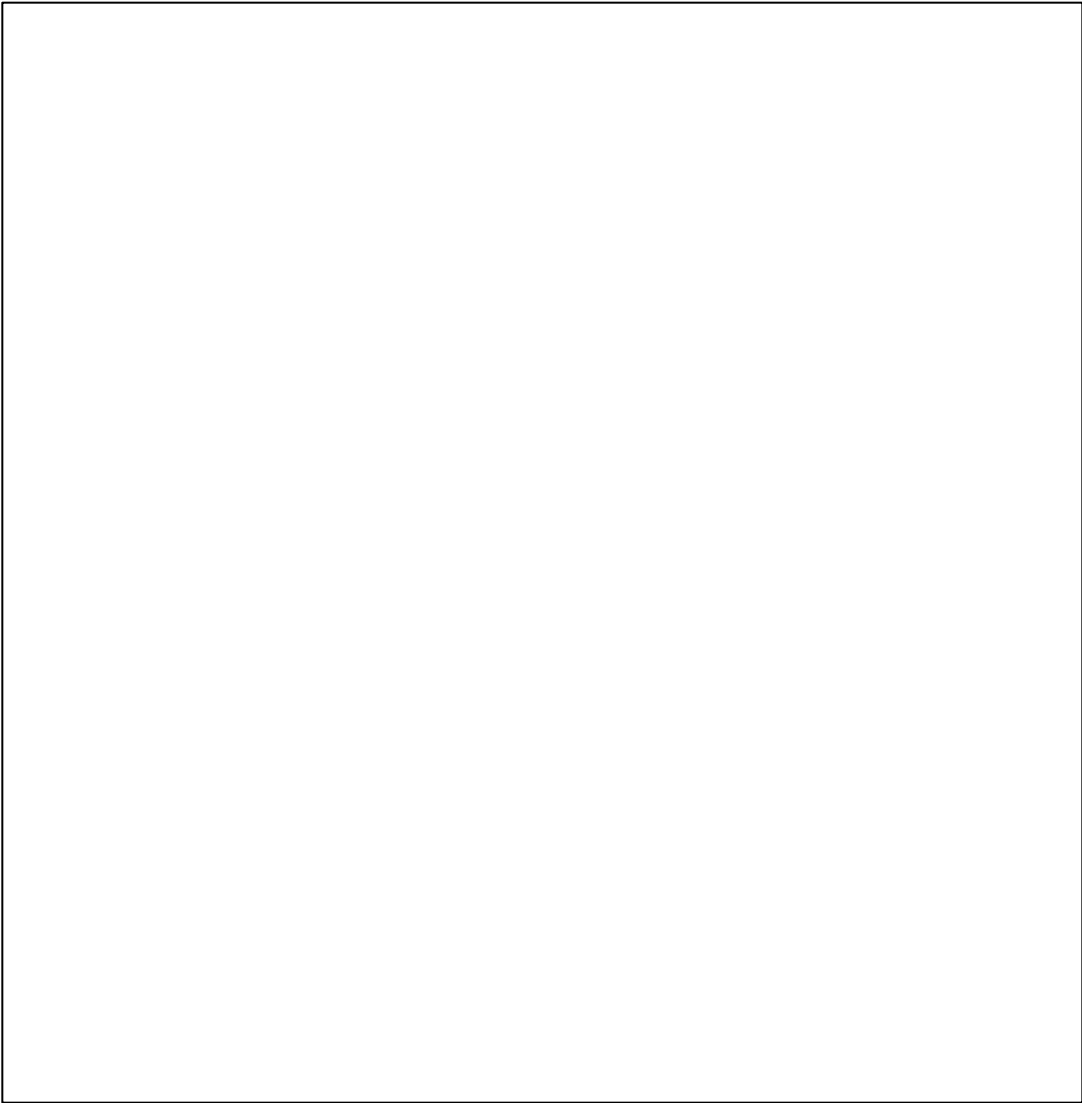|			When the saved theme is called, the saved theme should be retrieved and returned to the user's screen.	

Figure 3 – User Interface Diagram

Figure 4: Edit Header / Footer Content UI Diagram:

Figure 4 – User Interface Diagram

Figure 5 – User Interface Diagram

Figure 6: Add/Edit Page UI Diagram:

Page Generation UI Diagrams
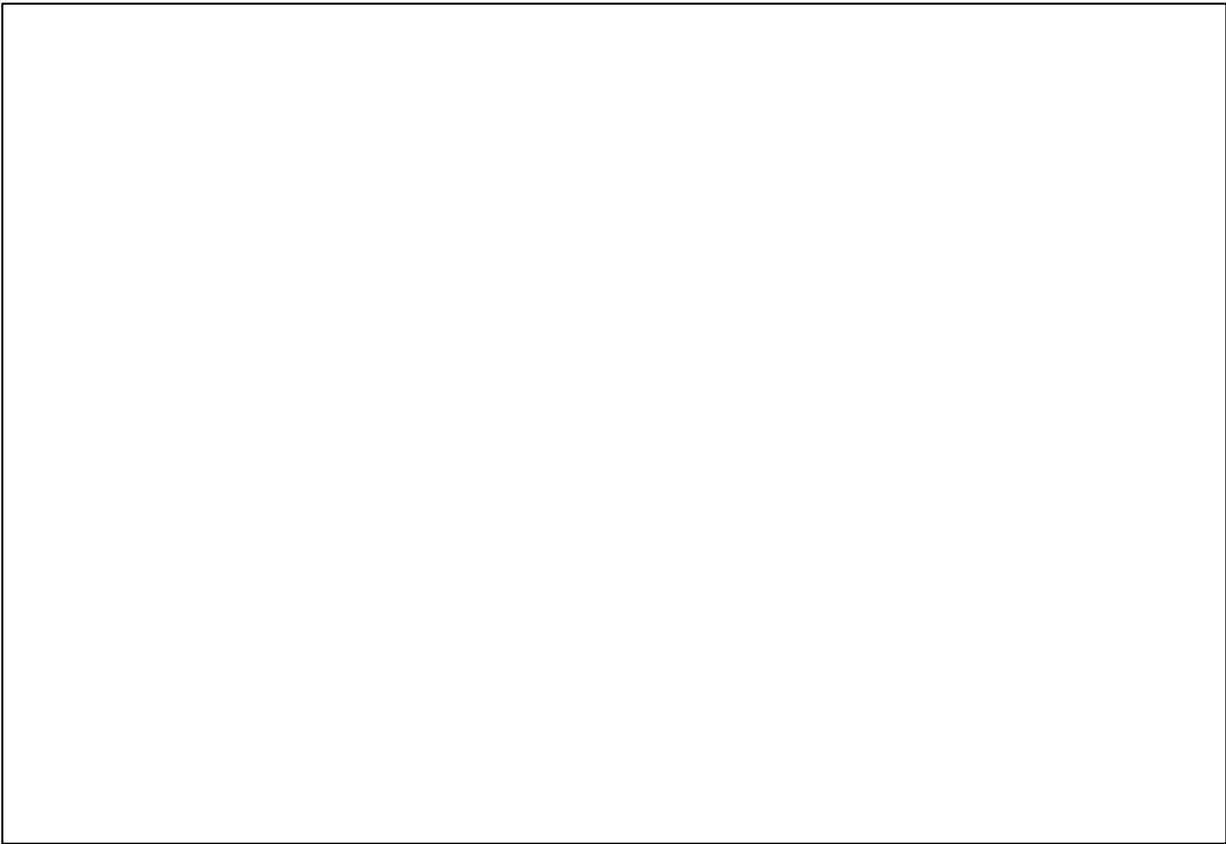
Figure 7: Generated Page: Site Contents UI Diagram:

Figure 8: Generated Page: Site Index UI Diagram:

Figure 8 – User Interface Diagram

Figure 9 – User Interface Diagram

Figure 10 – User Interface Diagram