



TRƯỜNG ĐẠI HỌC FPT

Capstone Project Document

VIETNAMESE MEDICINAL PLANTS NETWORK

Vietnamese medicinal plants network		
Group Members	Nguyễn Minh Tiên	SE02545
	Trần Bình Khánh	SE02764
	Nguyễn Hải Đăng	SE02992
	Hoàng Thị Quỳnh	SE02639
Supervisor	Mr. Nguyễn Văn Sang	
Project code	VMN	

TABLE CONTENTS

1 INTRODUCTION	5
1.1 Purpose	5
1.2 Acronyms and Definitions	5
1.3 Abstract	5
1.4 Literature Review	6
1.5 Proposal	8
<i>1.5.1 The idea.....</i>	<i>8</i>
<i>1.5.2 The objective.....</i>	<i>8</i>
<i>1.5.3 Brief description about system.....</i>	<i>8</i>
<i>1.5.4 System features</i>	<i>9</i>
1.6 Benefits from Project	11
<i>1.6.1 For our group</i>	<i>11</i>
<i>1.6.2 For Community</i>	<i>11</i>
1.7 Critical Assumption and Constraints	11
1.8 Potential Risks.....	12
2 USER REQUIREMENTS SPECIFICATION.....	12
2.1 Introduction	12
<i>2.1.1 Purpose</i>	<i>12</i>
<i>2.1.2 Definition and Acronyms</i>	<i>12</i>
2.2 Overall Description	12
<i>2.2.1 Business Process Overview</i>	<i>12</i>
<i>2.2.2 Product Features</i>	<i>22</i>
<i>2.2.3 User characteristic</i>	<i>24</i>
2.3 Functional Requirements	26
<i>2.3.1 View Article.....</i>	<i>26</i>
<i>2.3.2 Add New Article</i>	<i>26</i>
<i>2.3.3 Edit Article.....</i>	<i>26</i>
<i>2.3.4 Search Information</i>	<i>26</i>
<i>2.3.5 Review article</i>	<i>26</i>
<i>2.3.6 Report Article.....</i>	<i>26</i>
<i>2.3.7 Management Account</i>	<i>26</i>
<i>2.3.8 Management content.....</i>	<i>27</i>
2.4 Non-functional Requirement.....	27
3 PROJECT MANAGEMENT	27
3.1 Introduction	27
<i>3.1.1 Purpose</i>	<i>27</i>
<i>3.1.2 Definitions and Acronyms.....</i>	<i>27</i>
3.2 Project Overview.....	28

3.2.1 Project Description.....	28
3.2.2 Scope and Purpose.....	28
3.2.3 Assumptions and Constraints.....	31
3.2.4 Project Objectives.....	32
3.2.5 Critical Dependencies.....	33
3.2.6 Project Risk.....	33
3.3 Project Development Approach.....	35
3.3.1 Project Process	35
3.3.2 Requirement Change Management.....	37
3.3.3 Quality Management.....	37
3.4 Estimation	40
3.4.1 Size	40
3.4.2 Effort	40
3.4.3 Schedule	41
3.4.4 Resource.....	44
3.4.5 Infrastructure	45
3.4.6 Training Plan.....	46
3.4.7 Finance	46
3.5 Project Organization.....	47
3.5.1 Organization Structure	47
3.5.2 Project Team.....	47
3.6 Communication & Reporting.....	50
4 SOFTWARE REQUIREMENT.....	52
4.1 Introduction.....	52
4.1.1 Purpose	52
4.1.2 Definitions and Acronyms.....	52
4.2 Software Requirements Specification	53
4.2.1 Overall Description	53
4.2.2 Functional Specification	57
4.2.3 Non-Functional Specification	100
5 SOFTWARE DESIGN	102
5.1 Introduction	102
5.1.1 Purpose	102
5.1.2 Definitions, Acronyms, Abbreviations	102
5.2 Architecture design	102
5.2.1 Choice of Architecture Design.....	102
5.2.2 Architecture Representation	105
5.2.3 Architectural Goals and Constraints.....	106
5.2.4 Use-case View.....	107

<i>5.2.5 Logical View</i>	116
<i>5.2.6 Process view</i>	122
<i>5.2.7 Deployment View</i>	123
5.3 Detail Design.....	124
<i>5.3.1 Package.....</i>	124
<i>5.4 Package Description.....</i>	124
<i>5.4.1 Model</i>	124
<i>5.4.2 View</i>	129
<i>5.4.3 Middleware</i>	129
<i>5.4.4 Controller.....</i>	132
<i>5.4.5 Function.....</i>	137
5.5 Data design.....	156
<i>5.5.1 Entity Relationship Diagram</i>	156
<i>5.5.2 Table Diagram</i>	158
5.6 Screen Design.....	166
<i>5.6.1 Register</i>	167
<i>5.6.2 Login</i>	169
<i>5.6.3 Search</i>	171
<i>5.6.4 Medicinal Plants</i>	174
<i>5.6.5 Remedy.....</i>	175
<i>5.6.6 Herbal medicine store.....</i>	176
<i>5.6.7 Add new article</i>	179
<i>5.6.8 Edit article</i>	183
<i>5.6.9 Article detail</i>	186
<i>5.6.10 Report.....</i>	189
<i>5.6.11 Account menu.....</i>	190
<i>5.6.12 Admin</i>	194
<i>5.6.13 Mod</i>	200
6 SOFTWARE TESTING.....	222
6.1 Introduction	222
<i>6.1.1 Purpose</i>	222
<i>6.1.2 Definitions and Acronyms.....</i>	222
<i>6.1.3 Scope of testing</i>	222
<i>6.1.4 Constraints.....</i>	224
6.2 Test plan	224
<i>6.2.1 Test type</i>	224
<i>6.2.2 Test stages</i>	226
<i>6.2.3 Test model</i>	226
<i>6.2.4 Acceptance test criteria.</i>	228

<i>6.2.5 Feature not to be tested</i>	229
<i>6.2.6 Resources</i>	229
<i>6.2.7 Test milestones</i>	230
<i>6.2.8 Deliverables</i>	231
6.3 Test case	231
6.4 Test Report	231
<i>6.4.1 System test report</i>	231
<i>6.4.2 Integration test report</i>	231
<i>6.4.3 Test report</i>	232
<i>6.4.4 Defect report</i>	232
7 USER MANUAL.....	233
7.1 Introduction	233
<i>7.1.1 Purpose</i>	233
<i>7.1.2 Environment</i>	233
7.2 Installation Guideline	233
<i>7.2.1 Create Database</i>	233
<i>7.2.2 Get source code for installing</i>	233
<i>7.2.3 Get Project's component by composer</i>	234
<i>7.2.4 Setup database structure and data sample</i>	234
7.3 User Guideline	234
<i>7.3.1 User Client</i>	234
<i>7.3.2 Search</i>	236
<i>7.3.3 Medicinal plants</i>	238
<i>7.3.4 Remedy</i>	239
<i>7.3.5 Herbal medicine store</i>	239
<i>7.3.6 Add new article</i>	240
<i>7.3.7 Edit article</i>	241
<i>7.3.8 Article Detail</i>	243
<i>7.3.9 Report</i>	244
<i>7.3.10 Menu Account</i>	245
<i>7.3.11 Admin</i>	247
<i>7.3.12 Mod</i>	250
8 PROJECT RESULT REPORT	257
8.1 Product Judging	257
<i>8.1.1 Advantage of VMN system</i>	257
<i>8.1.2 Expectation in Future</i>	257
8.2 Project Summary	258
8.3 Lesson Learnt	258
9 REFERENCES	260

1 INTRODUCTION

1.1 Purpose

This document is created as the introduction for project Vietnamese Medicinal Network System – our Capstone Project at FPT University. In this document, we will describe the overview of some existing systems, the initial idea for our project, a brief description about our expected system and some potential risks, critical assumptions, constraints. Moreover, this document also shows opportunities what it offers for users.

1.2 Acronyms and Definitions

Acronym & Abbreviation	Definition
VMN	Vietnamese Medicinal Network System
FU	FPT University
Q&A	Question and Answer

1.3 Abstract

Nowadays, thanks to the development of the medicine, not only human's health but also living quality are improving.

15 years ago, visceral surgery always made you get 15cm scar but few years ago, based on new surgery technology - minimally invasive techniques, patients can escape from fears of these scars. Or spectacular developments from stem cell research, over 100 diseases can be cured by using this method all over the world such as Genetic diseases, the immune, Chronic diseases, cancer ...

However, the more developing life is the busier people become by jobs, family and children, we misuse on medicine (special western medicine) too much. For example, when you get fever, you regularly find: paracetamol, advil, ... When you get cough, just a few clicks, you can find out tylenol, robitussin, ... etc. The effectiveness of pharmaceutical is so quick but adverse effects cannot be measured.

Moreover, not only jeopardizes harm to healthy, high price is a problem that users need to think. 4/2014 Thanh Hoa city's Economic Police detected 1,2ton western medicine low quality, fake label, smuggled from China. 11/2014 Ha Noi Economic Crime Investigation Police found over 3000 products for women and children are fake. 8/2015 big size line of producing and consuming western medicine was arrested at HCM. We ask ourselves that how many boxes of fake medicine and fake blister packs are selling outside? Are you asking yourself to your family health.

When you get cough, instead of searching tylenol, robitussin, why don't you drink a cup of honey with lemons.

When you get fever, why don't you find eclipta prostrata, comminute, then get water and drink. This remedy is very helpful with children.

Cheap, easy to find, adverse effects nearly zero are strong advantages of these remedies. So, anxiety status quo of western medicine that we mentioned, why don't you think about natural, folk, and forefathers' experiences, think about medicinal plants and traditional remedies.

Aims to health of community, we're thinking a new system, where members can search, study about medicinal plants, remedies. More than that, they can contribute, share experiences. They also can search reliable herbal medicine store. Vietnamese herb medicine store has the ability to share their remedies, also address to contact for members...

1.4 Literature Review

With object is sharing information about medicinal plants, traditional remedies to community, we found out same idea websites such as: thuocnam.org, tuelinh.vn, caythuoc.info:

thuocnam.org

Thuocnam.org is a website that provide information about medicinal plants and remedies.

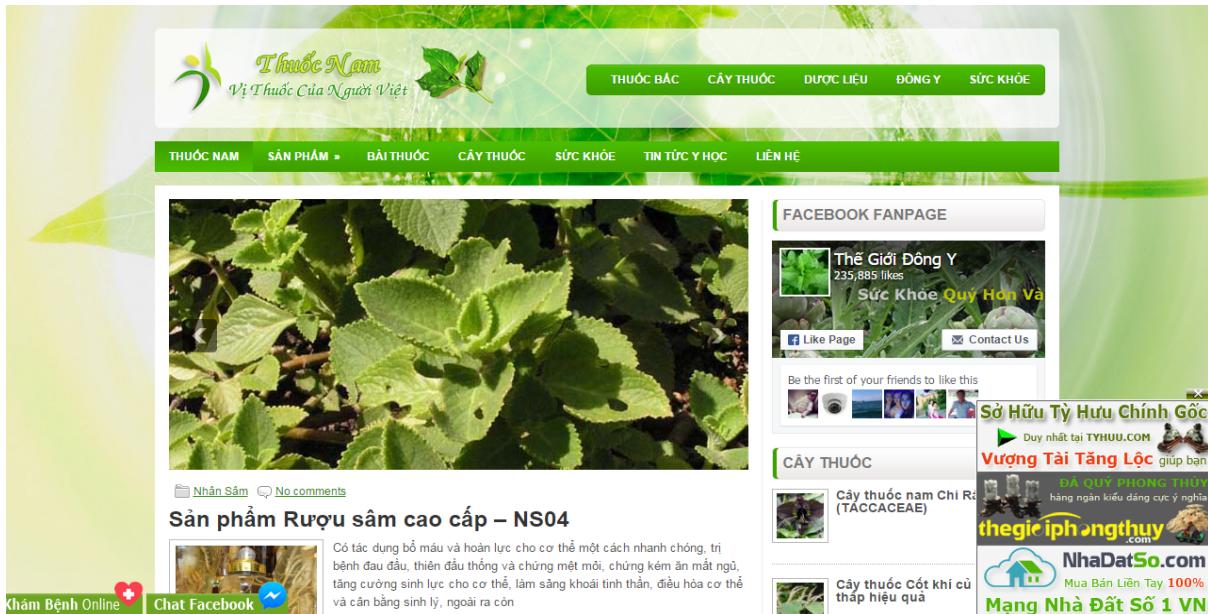


Figure 1-1: Website thuocnam.org

- **Advantages:**
 - The information about medicinal plants and remedy are diversified.
- **Disadvantages:**
 - Interactive level is not high such as user cannot search information, cannot rate, user also cannot share their experiences...
 - The information of Vietnamese herb medicine store is not included.

Tuelinh.vn

Tuelinh.vn is a website belongs to Tue Linh company. The website provides information of medicinal plants, company's products, ...

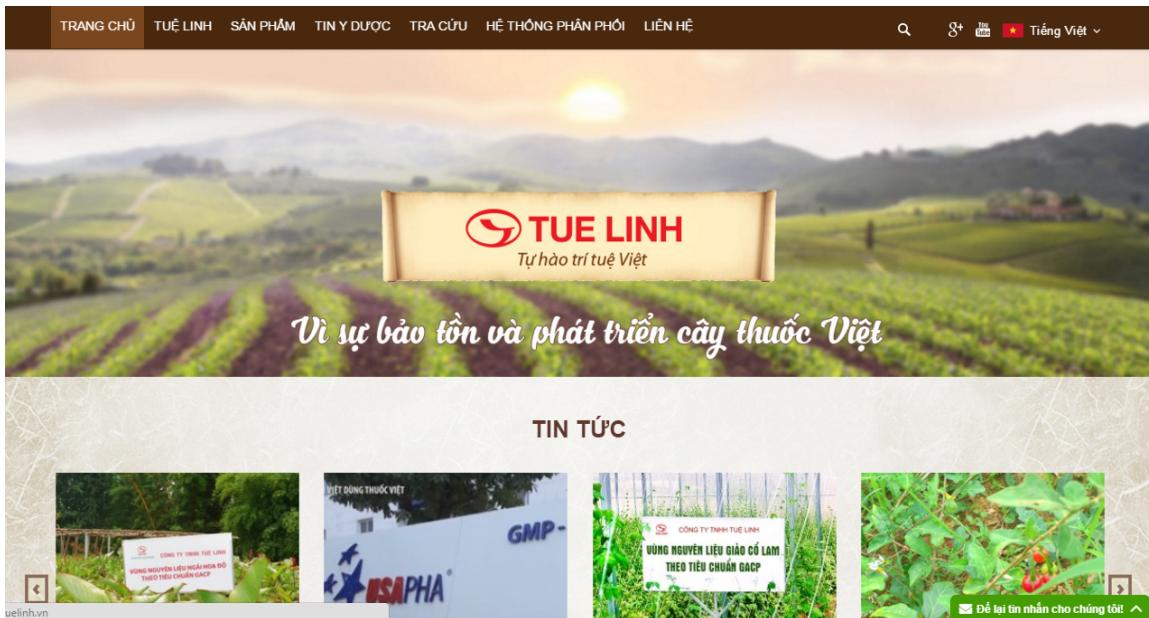


Figure 1-2: Website Tuệ Linh

- **Advantages:**
 - Friendly user interface.
 - High reliability and diversity of information.
- **Disadvantages:**
 - This page is built for specific corporation so information just server for this corporation's benefit.
 - Searching function is not specified.
 - User can only comment by Facebook account.

Caythuoc.info

This website provides utility of plants, information of medicinal plants and healthy news.

Figure 1-3: Website Cây thuốc

- **Advantages:**
 - Kind idea for community's health.
- **Disadvantages:**
 - Name of website and content are not unified.
 - Unfriendly user interface.
 - Organized information is not reasonable.

1.5 Proposal

1.5.1 The idea

Vietnam Traditional Medicine, also known as eastern medicine, is an original treatment from Vietnam instead of China. Vietnam has the diversity and abundance of medicinal plants and traditional uses of medicinal plants, although the lack of search engines which access to information about medicinal plants.

Along with the strong development of science and technology, our group has an idea and aspiration which about create one system that provides information of medicinal plants in Vietnam, allows searching information on medicinal plants under the utility group.

With each system medicinal plants provides a detail: names of medicinal plants, referral information, descriptions, information on distribution, processing, effects, utility and prescription used medicinal plants.

1.5.2 The objective

This project is the Capstone Project in FPT University studying program. It is responsible for all team members, as well as achievements after 4 year study and improve knowledge in FPT University. Therefore, we have to endeavor to complete all requests from teachers, school and group targets set.

During the project, we can learn how to develop a project, how to manage projects, how to communicate better among team members, how to control the time, how to perform effective teamwork, how to apply the knowledge we have learned in efficient way. Moreover, we think that this project is very necessary for us to learn, improve their skills, knowledge. This project will also make our CV look better after graduation FU, this will be a good opportunity for us to demonstrate the capacity for employers.

We also expect the project can be widely used in the education field, health care, such as a document using teaching assistants, illustrated in the courses at the Medicine School, traditional medicine, the project could also assist doctors and nurses in hospitals have used medicinal plants. And more importantly, the project can support ordinary users need to look up information about medicinal plants and useful remedy for their life.

1.5.3 Brief description about system

Our system will provide information about medicinal plants and traditional remedies with friendly and attractive interface, member can easy to get useful information, they also can share their experiences such as drink ginger tea when headache, ... Member can comment and rate with good quality article.

This project uses the familiar technologies: PHP (Laravel Framework), Javascript, bootstrap library, ...

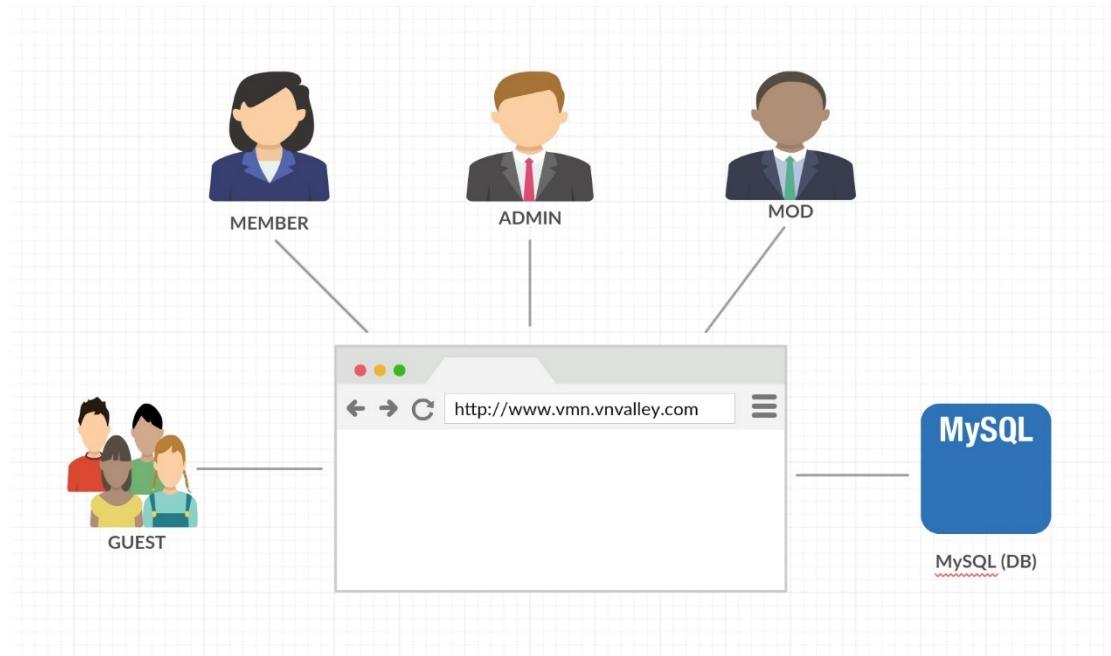


Figure 1-1: Brief descriptions diagram of VMN system

1.5.4 System features

About the features of project, we focus to provide for member main features as searching, create a new article, update their articles, comment/rate articles, etc. Admin can manage members account. Mod can manage members' articles (approve, review member's article). Moreover, member and Mod can send message to other.

There are the detailed features of project:

1.5.4.1 Member features

- Register: Guest can register an account and login to use features of VMN system.
- Login/Logout/Forgot password: Member can login/logout an account to use or exit system project. If member forgot password, they can reset their password again by email.
- Search:
 - Basic Search: Search by name: member can search a medicinal plant at medicinal plant tab, a remedy at remedy tab by name.
 - Advance search: Search by utility, allocation place, characteristics... or multiple conditions: member can search by utility, allocation place, characteristics or multiple conditions of medicinal plants or remedies and system will display result as a list which suitable with key words.
- A medicinal plant article:
 - Contribution: Member can contribution a new article of medicinal plants with basic info such as: name, utility, allocation place, science name ...
 - Change content: Member can edit and update their medicinal plant articles but they have to wait of Mod's approving.
 - Comment/Rate: Member can comment/rate a medicinal plant article.
 - Report: Member can report a medicinal plant article when it has problem as duplicate, wrong information... to Mod.

- Share/ Like: Member can share a medicinal plant article through facebook.
- A remedy article:
 - Contribution: Member can contribution a new article of remedy with basic info such as: title, utility, usage....
 - Change content: Member can edit and update their remedy articles but they have to wait of Mod's approving.
 - Comment/Rate: Member can comment/rate an article.
 - Report: Member can report a remedy article when it has problem as duplicate, wrong information ... to Mod.
 - Share/ Like: Member can share a remedy article by facebook.
- Member's information:
 - Change password: Member can change password to keep security.
 - Update profile: Member can edit or update their information as name, address, avatar, ...

1.5.4.2 Admin features

- Manage member:
 - Search user: Admin can search with name of user and system will display simple information about that user (name, email, phone number)
 - Inactive/active user: admin can set user's account to inactive or active.
 - Authorization

1.5.4.3 Mod features

- Manage Medicinal plant article:
 - Search Medicinal plant article:
 - o Basic search: Mod can search by name of a Medicinal plant article and system will display result as a list which suitable with key words.
 - o Advance search: Search with utility, allocation place, description... or multiple conditions: Mod can search by utility, allocation place, description... of medicinal plants or remedies and system will display result as a list which suitable with key words.
 - Approve new Medicinal plant article: Mod can set status of a Medicinal plant article: pending to approved, pending to suspend, approved to suspend, etc.
 - Approve Medicinal plant article content's change: Mod has ability to approve Medicinal plant article content's change of author.
 - Contribution new Medicinal plants article: Mod also can create a new remedy/ medicinal plants as a member.
 - Change Medicinal plant article content: Mod can edit and update their Medicinal plant article but he/she does not need to wait for approving.
 - Comment/Rate: As a member, Mod also can comment/rate an article.
 - Share/ Like an article through facebook.
- Manage Remedy article:
 - Search Remedy article:
 - o Basic search: Mod can search by name of a Remedy article and system will display result as a list which suitable with key words.

- Advance search: Search with utility, description, usage... or multiple conditions: Mod can search by utility, description, usage... of medicinal plants or remedies and system will display result as a list which suitable with key words.
- Approve new Remedy article: Mod can set status of a Remedy article: pending to approved, pending to suspend, approved to suspend, etc.
- Approve Remedy article content's change: Mod has ability to approve Remedy article content's change of author.
- Contribute new Remedy article: Mod also can create a new remedy/ medicinal plants as a member.
- Change Remedy article content: Mod can edit and update their Remedy article but he/she does not need to wait for approving.
- Comment/Rate: As a member, Mod also can comment/rate a Remedy article.
- Share/ Like an article through facebook.

1.6 Benefits from Project

1.6.1 For our group

After developing and implementing this project, our group will get some benefits:

- Have more experiences of software project management how to manage plan, time, member and risk.
- Have more knowledge and skill about PHP, MySQL, Javascript, Bootstrap library ...
- Know how to communicate with team members and how to teamwork more effective.

1.6.2 For Community

We provide to member information about medicinal plants and traditional remedies. Member can know more the useful information for their health, their life.

Member also can search Herbal medicine store's information and contact if they need.

1.7 Critical Assumption and Constraints

- Critical assumption:
 - Training: All developers can train PHP, Bootstrap, GIT in 3 weeks. Before starting this project, just 1 member in our team have knowledge about PHP, Bootstrap and no one have experiences about Laravel framework, but with programming techniques which we studied at FU, we have to try the best to not missing any deadline in project plan.
 - Human resources: Assume that all members in team have a good healthy to do their tasks.
- Constraints:
 - Time and deadline: We must complete task on time. We work on 14 weeks, each member works 5 hours/day and 5 days/week. We do not have more time for us to complete developing and deliver application to supervisor. Besides, we have to submit report documents before deadline to supervisor can review.
 - Quality: The products must be run well when users perform main functions in Google Chrome 40 and Firefox 30 or higher.
 - Process: We have to follow the software processing of FPT Software
 - Human resources: There are 4 members in our team, each member have to study 2 subjects (Japanese and JFE) at school, 2 members have more subject to learn.

1.8 Potential Risks

When we are doing capstone project, we can get some risks as describe below:

- Under-estimate scope and time or miss deadline because lack of experience in group working, managing and controlling work.
- Loss data, source code before uploading data to server because of careless.
- Laptop is broken because of careless or accident.
- Human resources: Team member cannot complete their works because of personal reasons: health, family..., key member leave team or un-cooperating on team.
- Change requirements: Requirement changed when some functions cannot be completed or some technologies is not suitable.

2 USER REQUIREMENTS SPECIFICATION

2.1 Introduction

2.1.1 Purpose

This document will provide the describing of general requirement and non-functional requirements of our VMN system. It also describes the requirement scope of each phase in the project.

2.1.2 Definition and Acronyms

Terms	Description
VMN	Vietnamese Medicinal plants Network
Article	Article about medicinal plant or Remedy

Table 2-1: Definition and Acronyms

2.2 Overall Description

2.2.1 Business Process Overview

VMN is a website. Therefore, that system will implement the following processes:

2.2.1.1 Approve/Suspend workflow

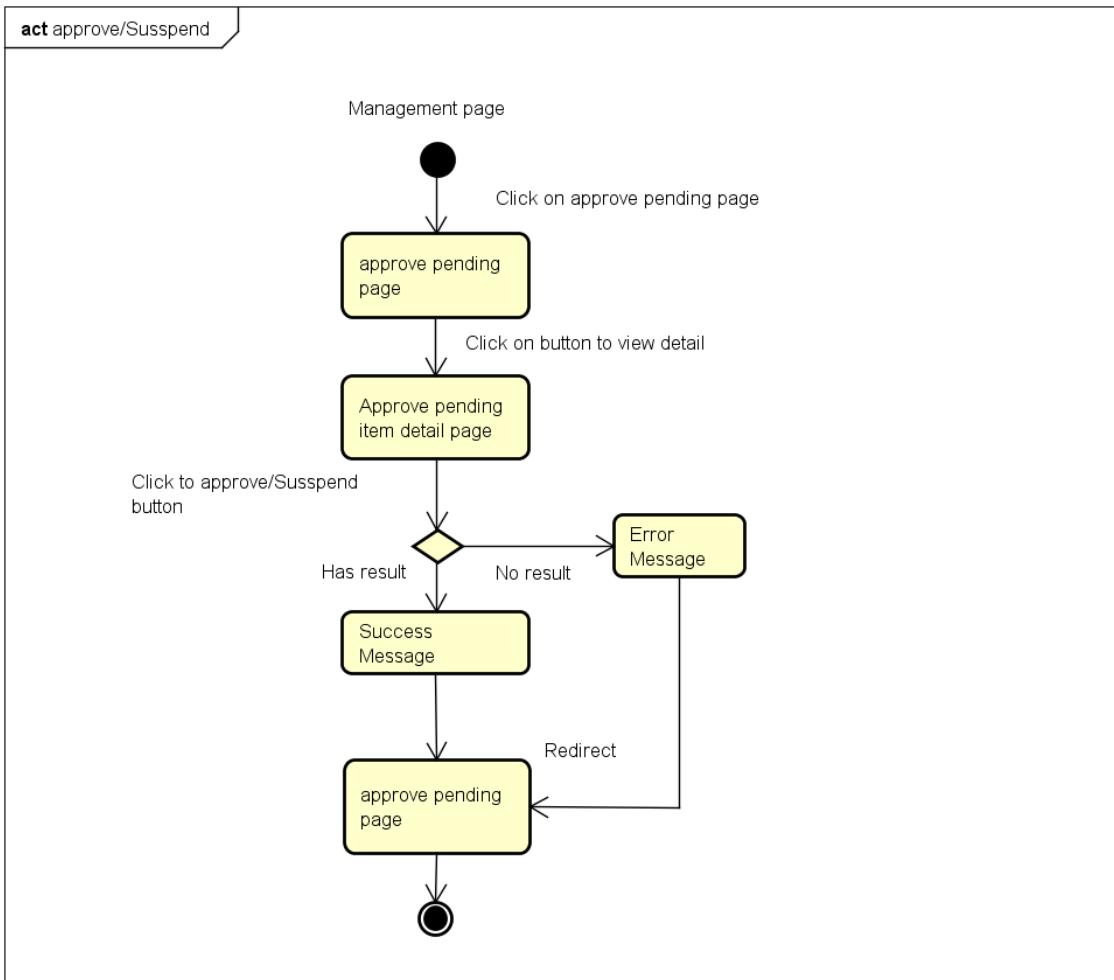


Figure 2-1: Approve/Suspend workflow

Brief description: Admin and Mod can use this function. Steps:

- Step 1: User click on approve pend list.
- Step 2: System return projects list page.
- Step 3: User click on button view
- Step 4: System return project detail page.
- Step 5: User click on button Approved/Suspended
- Step 6: System return success message or error message.
- Step 7: System return projects list page.

2.2.1.2 Active/Inactive workflow

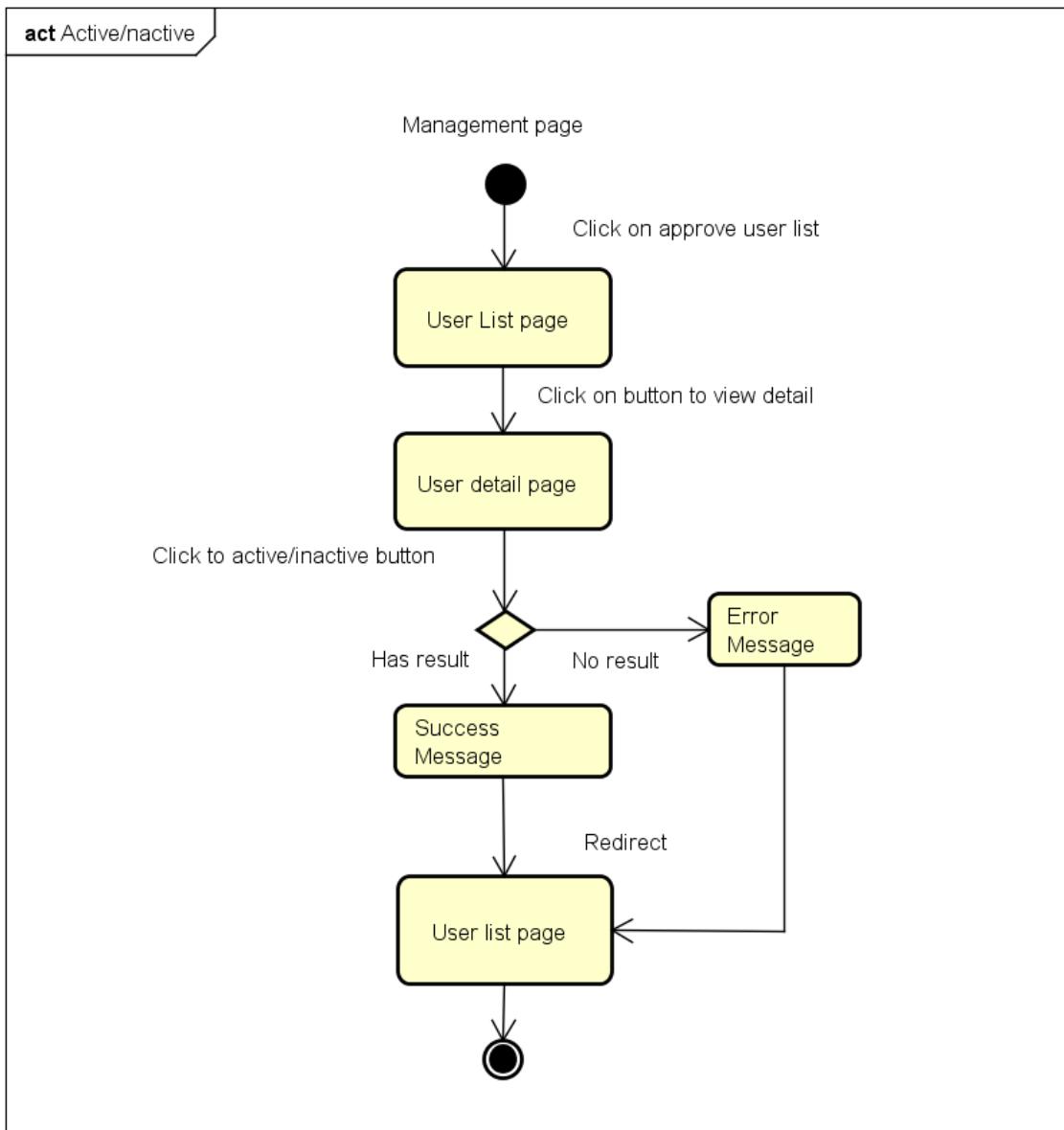
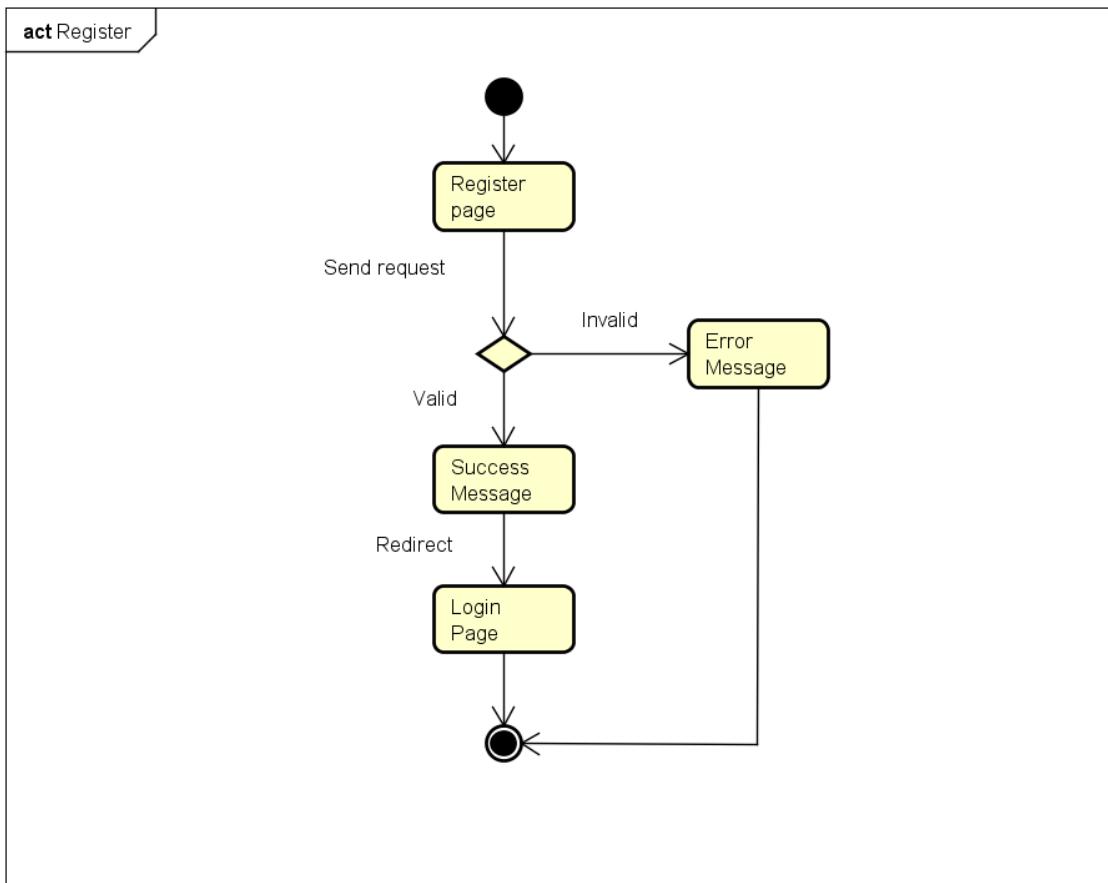


Figure 2-2: Active/Inactive workflow

Brief description: Admin can use this function. Steps:

- Step 1: User click on users list.
- Step 2: System return users list page.
- Step 3: User click on button view a user
- Step 4: System return user profile page.
- Step 5: User click on button Active/Inactive
- Step 6: System return success message or error message.
- Step 7: System return users list page.

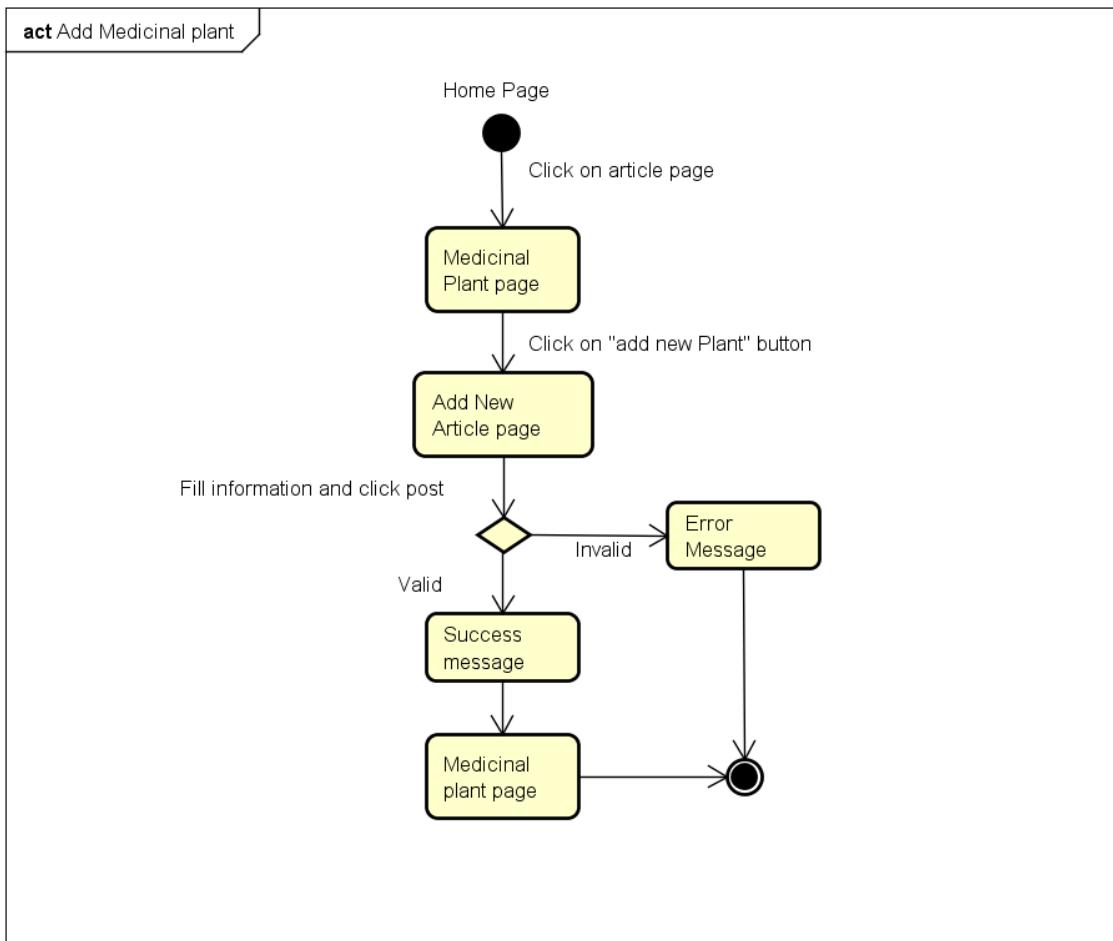
2.2.1.3 Register workflow



Brief description: Guest can use this function. Steps:

- Step 1: User click register.
- Step 2: System return register page.
- Step 3: User fill all required fields and click Register or press Enter.
- Step 4: System return complete message.
- Step 5: System redirect to Login page

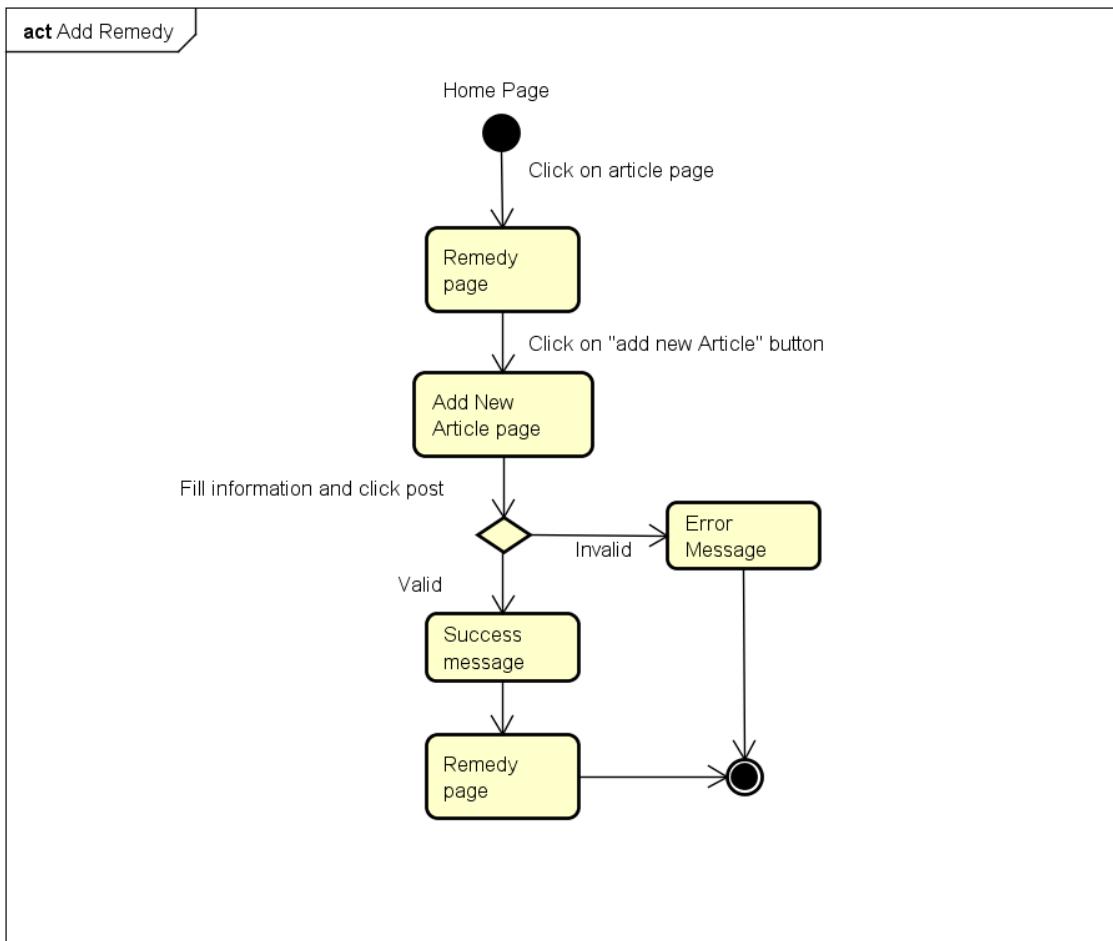
2.2.1.4 Add Medicinal Plant workflow



Brief description: Admin can use this function. Steps:

- Step 1: User click on Medicinal plant page.
- Step 2: System return Medicinal plant page.
- Step 3: User click on button new article
- Step 4: System return “Add Medicinal plant Category” page.
- Step 5: User fill information and click “Post”
- Step 6: System return success message or error message.
- Step 7: System return Medicinal plant page.

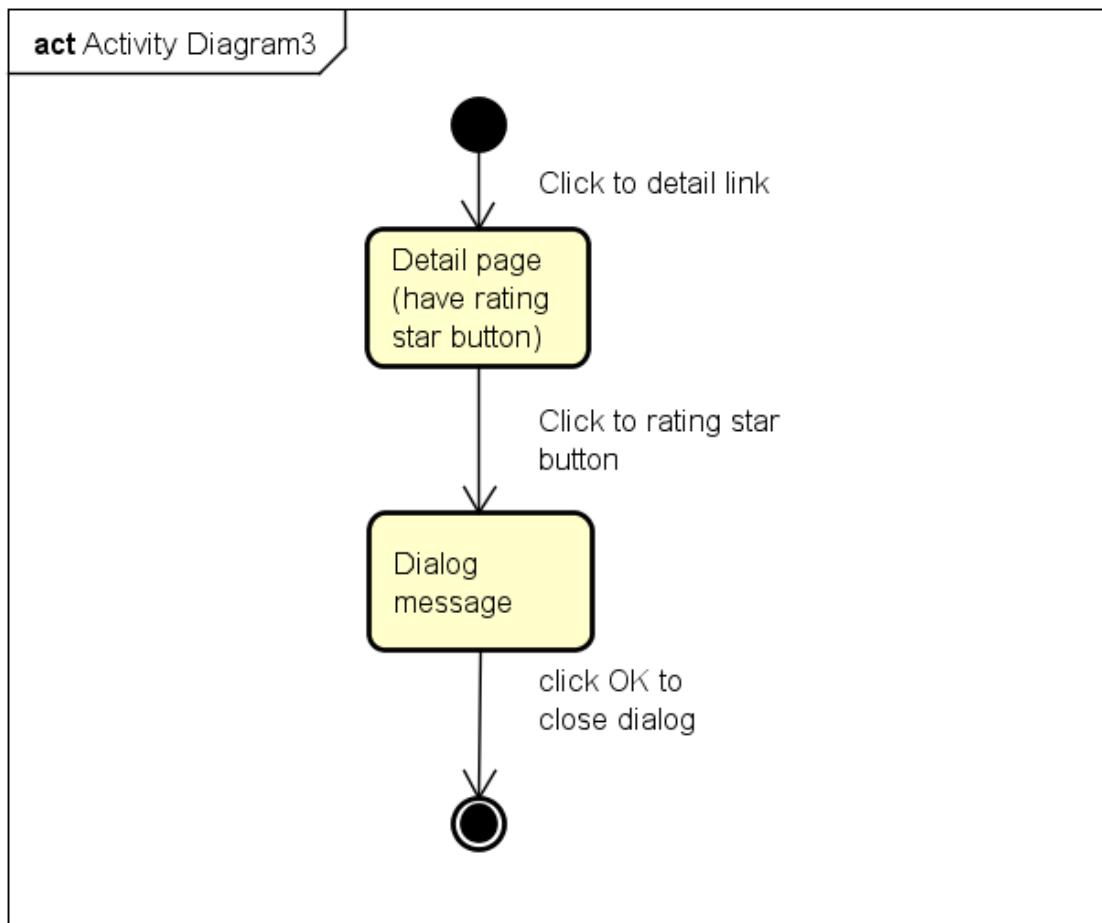
2.2.1.5 Add Remedy workflow



Brief description: Admin can use this function. Steps:

- Step 1: User click on Remedy.
- Step 2: System return remedy page.
- Step 3: User click on button new article.
- Step 4: System return dialog “Add New Remedy”.
- Step 5: User fill information and click “Add”
- Step 6: System return success message or error message.
- Step 7: System return Remedy page.

2.2.1.6 Rating workflow



Brief description: Member or Mod can use this function. Steps:

- Step 1: User click on Article detail (Medicinal plant or Remedy detail).
- Step 2: System return detail page.
- Step 3: User click on “rating star” button.
- Step 4: System return dialog “Thank for rating”.
- Step 5: User click “OK” button
- Step 6: System close dialog

2.2.1.7 Search workflow

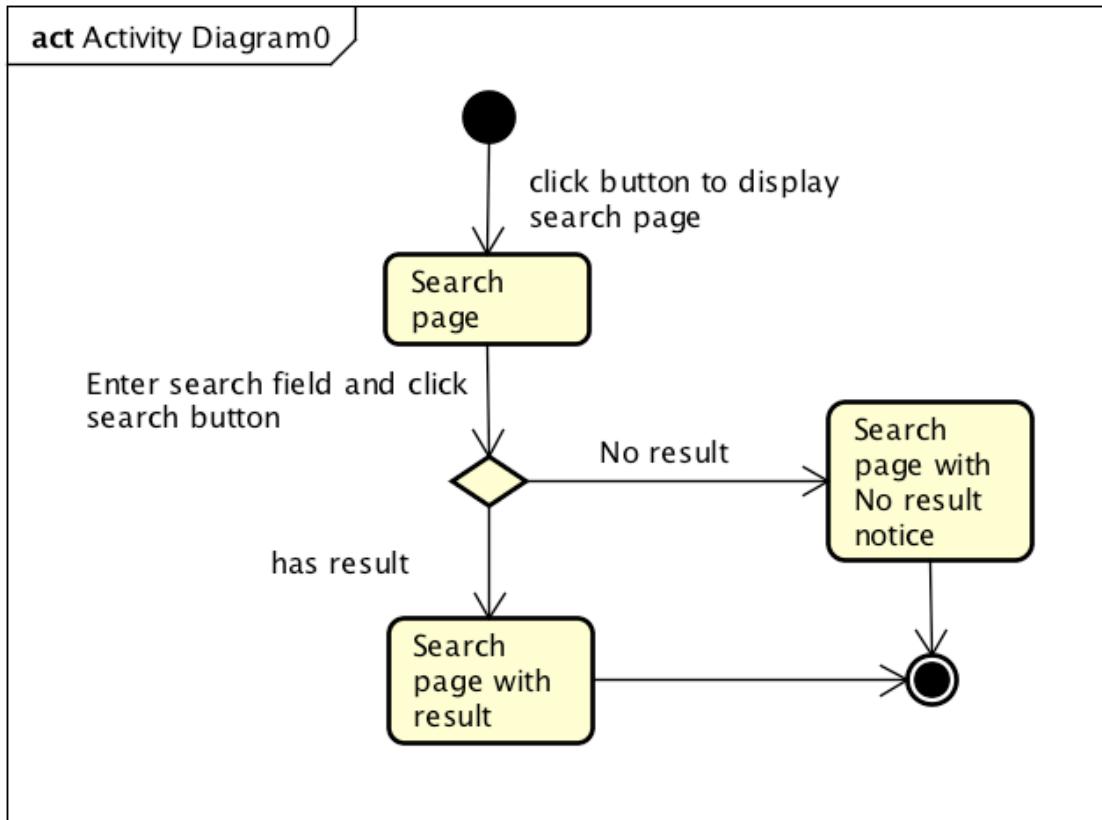


Figure 2-3: Search workflow

Brief description: Guest and Member can use this function. Steps:

- Step 1: User click button to show search page
- Step 2: System display search results or message if nothing found.
- Step 3: User input keyword into search text box and click Search or press Enter
- Step 4: System display search results or message if nothing found.

2.2.1.8 Comment workflow

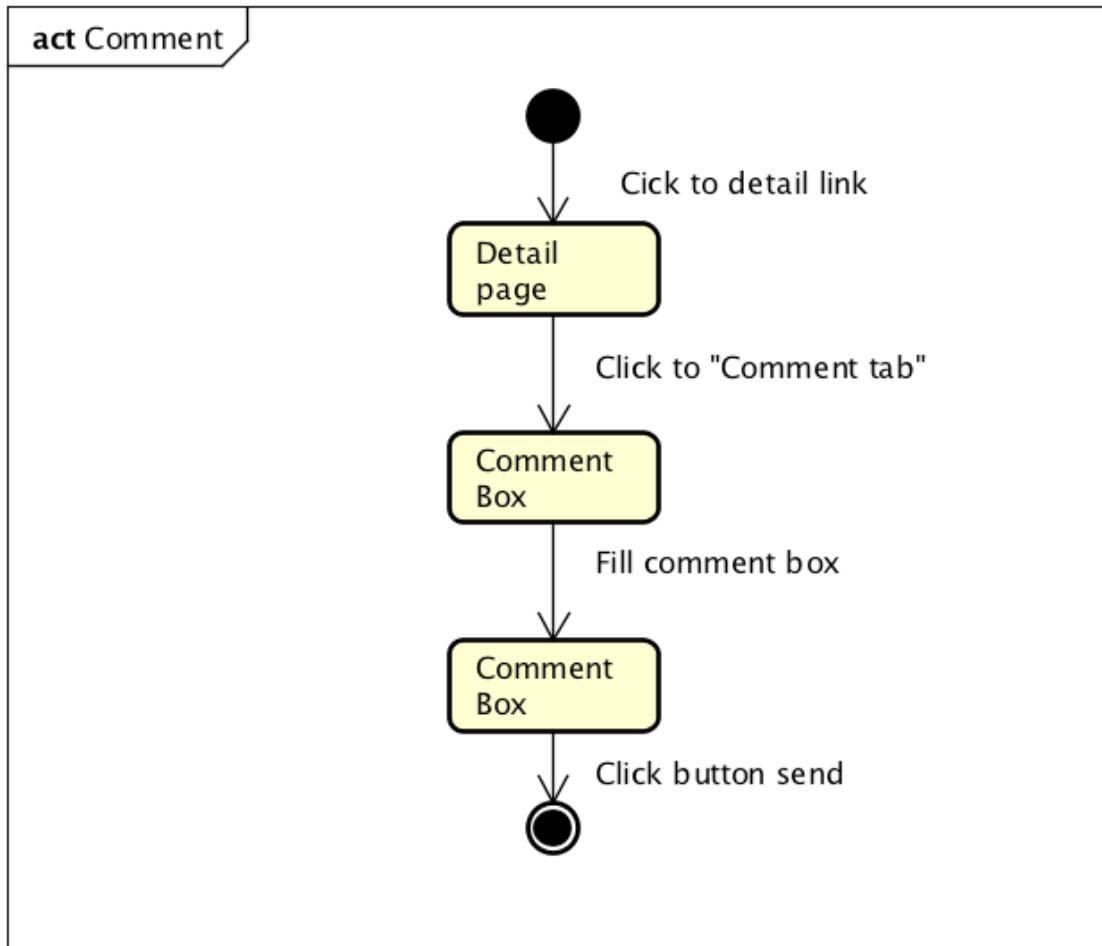


Figure 2-4: Comment workflow

Brief description: Member can use this function. Steps:

- Step 1: User click on a project.
- Step 2: System return Project information page.
- Step 3: User click on comment tab.
- Step 4: System show comment tab.
- Step 5: User fill comment box.
- Step 6: User click sent.

2.2.1.9 Report an article workflow

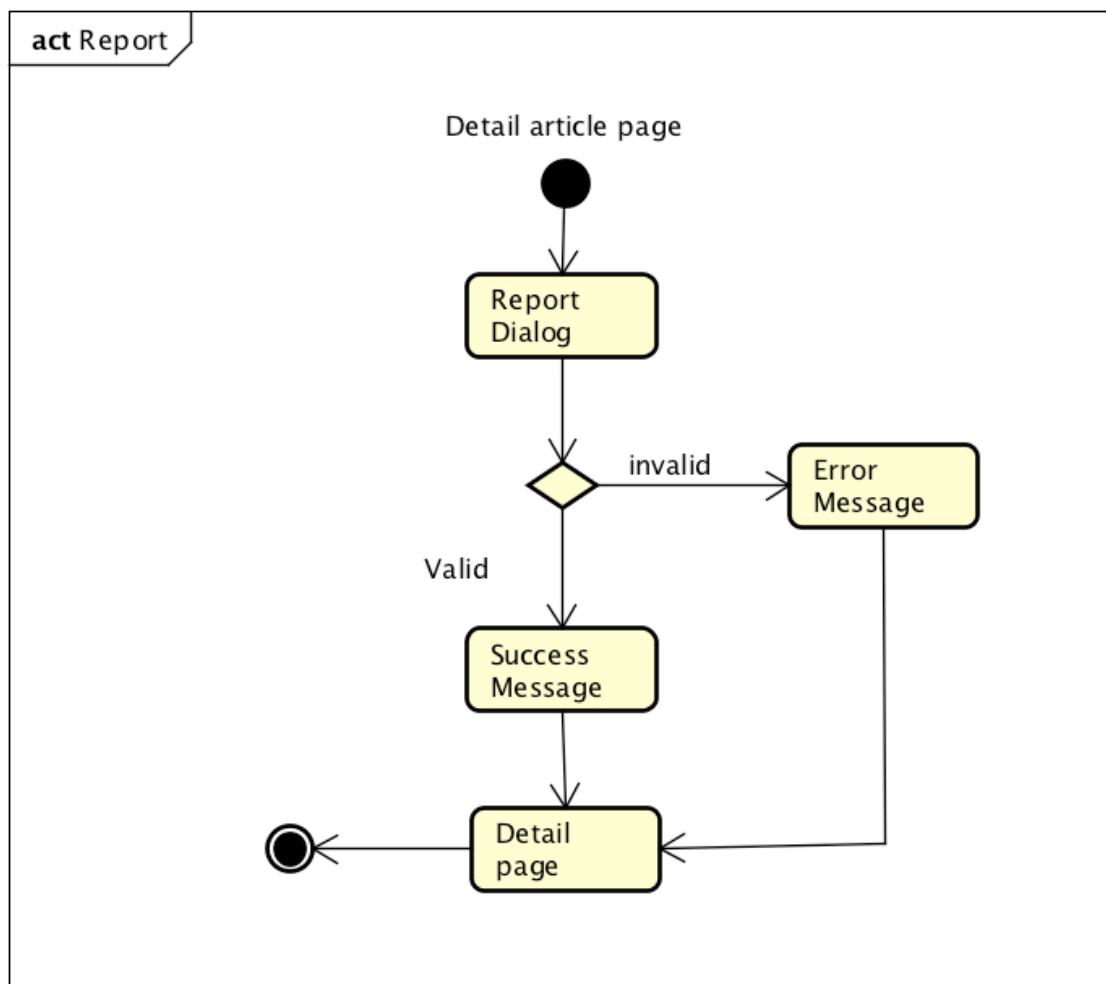


Figure 2-5: Report a project workflow

Brief description: Member can use this function. Steps:

- Step 1: User click on report button.
- Step 2: System return “Report project” dialog.
- Step 3: User fill information and click “Sent”
- Step 4: System return success message or error message.
- Step 5: System return project detail page.

2.2.1.10 Remind a project workflow

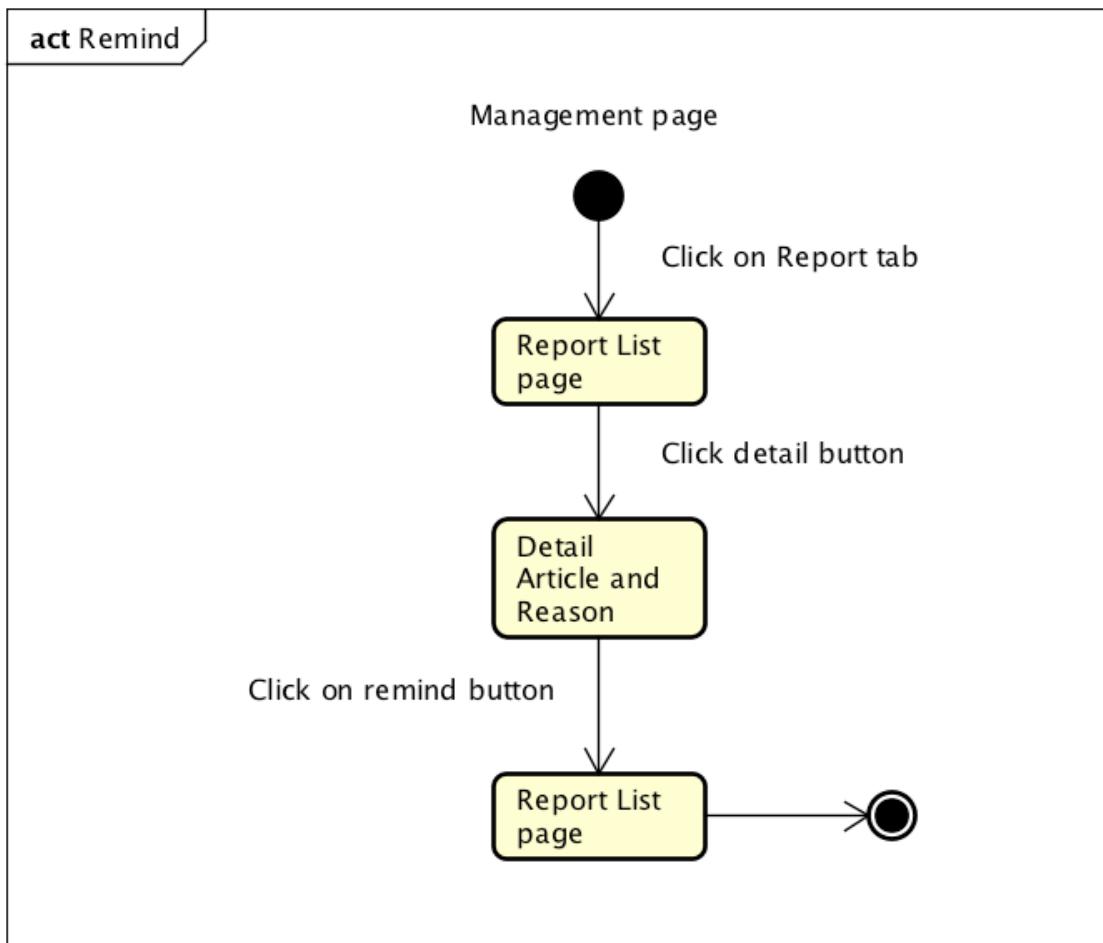


Figure 2-6: Remind a project workflow

Brief description: Mod can use this function. Steps:

- Step 1: Mod click on “Report tab” button.
- Step 2: System display report list
- Step 3: Mod click on detail button.
- Step 4: System display detail “Article and report’s reason” page
- Step 5: Mod click to Remind button
- Step 6: System send a remind message to Article contributor and display Report list page

2.2.2 Product Features

VMN is a website, user only connect to Internet to use website. System provides these main functions:

2.2.2.1 Member features

- Register: Guest can register an account and login to use features of VMN system.

- Login/Logout/Forgot password: Member can login/logout an account to use or exit system project. If member forgot password, they can reset their password again by email.
- Search:
 - Basic Search: Search by name: member can search a medicinal plant at medicinal plant tab, a remedy at remedy tab by name.
 - Advance search: Search by utility, allocation place, characteristics... or multiple conditions: member can search by utility, allocation place, characteristics or multiple conditions of medicinal plants or remedies and system will display result as a list which suitable with key words.
- A medicinal plant article:
 - Contribution: Member can contribution a new article of medicinal plants with basic info such as: name, utility, allocation place, science name ...
 - Change content: Member can edit and update their medicinal plant articles but they have to wait of Mod's approving.
 - Comment/Rate: Member can comment/rate a medicinal plant article.
 - Report: Member can report a medicinal plant article when it has problem as duplicate, wrong information... to Mod.
 - Share/ Like: Member can share a medicinal plant article through facebook.
- A remedy article:
 - Contribution: Member can contribution a new article of remedy with basic info such as: title, utility, usage....
 - Change content: Member can edit and update their remedy articles but they have to wait of Mod's approving.
 - Comment/Rate: Member can comment/rate an article.
 - Report: Member can report a remedy article when it has problem as duplicate, wrong information ... to Mod.
 - Share/ Like: Member can share a remedy article by facebook.
- Member's information:
 - Change password: Member can change password to keep security.
 - Update profile: Member can edit or update their information as name, address, avatar, ...

2.2.2.2 Admin features

- Manage member:
 - Search user: Admin can search with name of user and system will display simple information about that user (name, email, phone number)
 - Inactive/active user: admin can set user's account to inactive or active.
 - Authorization

2.2.2.3 Mod features

- Manage Medicinal plant article:
 - Search Medicinal plant article:
 - o Basic search: Mod can search by name of a Medicinal plant article and system will display result as a list what suitable with key words.
 - o Advance search: Search with utility, allocation place, description... or multiple conditions: Mod can search by utility, allocation place, description... of medicinal

plants or remedies and system will display result as a list which suitable with key words.

- Approve new Medicinal plants article: Mod can set status of a Medicinal plant article: pending to approved, pending to suspend, approved to suspend, etc.
- Approve change Medicinal plant article content: Mod has ability to approve Medicinal plant article content's change of author.
- Add new Medicinal plants article: Mod also can contribute a new medicinal plants as a member.
- Change Medicinal plants article content: Mod can edit and update their Medicinal plants article but he/she does not need to wait for approving.
- Comment/Rate: As a member, Mod also can comment/rate an article.
- Share/ Like an article through facebook.
- Manage Remedy article:
 - Search Remedy article:
 - Basic search: Mod can search by name of a Remedy article and system will display result as a list which suitable with key words.
 - Advance search: Search with utility, description, usage... or multiple conditions: Mod can search by utility, description, usage... of medicinal plants or remedies and system will display result as a list which suitable with key words.
 - Approve new Remedy article: Mod can set status of a Remedy article: pending to approved, pending to suspend, approved to suspend, etc.
 - Approve change Remedy article content: Mod has ability to approve Remedy article content's change of author.
 - Add new Remedy article: Mod also can create a new remedy as a member.
 - Change Remedy article content: Mod can edit and update their Remedy article but he/she does not need to wait for approving.
 - Comment/Rate: As a member, Mod also can comment/rate a Remedy article.
 - Share/ Like an article through facebook.

2.2.3 User characteristic

This website is a major platform for crowd funding. Anybody could launch a project on Dandelion as long as it follows our rules. We believe that creative projects making a better world, and we're thrilled to help support new ones. Building a community of backers around an idea is an amazing way to make something new. The website requires users to have the ability to use a browser with an Internet connection. If users want to use all function, they must be login.

There are 3 main actors that system support:

- **Member:** Have account on system, they can use all functions of website. For example: Searching, add new article, comment, rate ...
- **Administrator:** They are system manager. They manage all users in system. They can approve new register, active/inactive an account and up an account to mod or down to common Member
- **Mod:** They can use all member function. Moreover, they are content manager; they decide what will display in system. They receiving and processing report from member

2.3 Functional Requirements

2.3.1 View Article

Access right: Guest and member

This function is used to view an article. The system will display a detail page for user. In this screen, user can find useful information. If user is signed in, the can give rate, comment and report article. If the user is article contributor, that user can show edit page from detail page

2.3.2 Add New Article

Access right: Member and mod

This function is used to create new article. System will display “add new page” with many information fields. By fill all required field user could post article. If the user is mod, this article will added to system’s data, if not, the article will be sent to mod for approve.

2.3.3 Edit Article

Access right: Member and Mod

This function is used to edit article. System will display “edit article page” with many information fields. By fill all required field user could post article. If the user is mod, this change will be applied, if not, the change will be sent to mod for approve.

2.3.4 Search Information

Access right: all users.

In search page user can find specific information by provide some keyword. If user is signed in, they can use more feature of search function.

2.3.5 Review article

Access right: Member

This function is used to review an article. In detail page, user members can send their comment or rating point about an article. Information from reviewing activities will help to improve articles in system

2.3.6 Report Article

Access right: Member

This function is used to send a report about article. In detail page, if user is not article’s contributor, they can send report with reason to Mod to improve article’s quality. Otherwise admin can create Mod account.

2.3.7 Management Account

Access right: Administrator

This function is used to management account in system. The system will display a Management Screen for admin. In this screen, admin can view information about user and give decision to approve or suspend herbal medicine store’s register and active/inactive or change role of an account.

2.3.8 Management content

Access right: Mod

This function is used to management data content. The system will display a Management Screen for mod. In this screen, mod can view information about any article (current, new, or editing). Mod can approve or ignore add new or editing request from member. Otherwise, they can delete articles.

2.4 Non-functional Requirement

The system has to satisfy these principles:

- **Learnable:** The user interface must be easy to learn, even at the first time looking at the screen, user may immediately understand the function of each button or icon.
- **Efficiency:** The user interface must minimize the number of steps that the system takes to complete its task.
- **Memorable:** System contains some complex screens. Therefore, interface should be easier to use each time the user interacts with it.
- **Visibility:** Important information (example: text in nodes) should be clearly visible.
- **Consistency:** Like items should always be displayed and act the same way through the entire application.
- **Easy to maintain and upgrade**
- **Ensure data security capabilities, high performance**
- **Scalability systemx**

3 PROJECT MANAGEMENT

3.1 Introduction

3.1.1 Purpose

This part is the project management plan of Vietnamese Medicinal Network (VMN) – our Capstone Project in FPT University. It is included the project overview, project organization, tools and infrastructures, schedule of this project.

3.1.2 Definitions and Acronyms

Acronym	Definition	Note
BA	Business Analyst	
BU	Business Unit	
CC	Infrastructure Configuration Controller	
CM	Configuration Management	
VMN	Vietnamese Medicinal Network	
DEV	Developer	
PIC	Person in charge	

PM	Project Manager	
PTL	Project Technical Leader	
QA	Quality Assurance Officer	
SRS	Software Requirement Specification	
TC	Test Case	
PCB	Process Capability Baseline	

Table 2-1: Definitions and acronyms

3.2 Project Overview

3.2.1 Project Description

Project Code	VMN	Contract Type	None
Customer	FPT University	2nd Customer	None
Project Level	Group	Project Rank	None
Application Type	Website	Project Manager	Nguyen Minh Tien
Project Category	Development	Business Domain	E-commerce

Table 2-2: Project Description

3.2.2 Scope and Purpose

3.2.2.1 Purpose

Vietnam Traditional Medicine, also known as eastern medicine, is an original treatment from Vietnam instead of China. Vietnam has the diversity and abundance of medicinal plants and traditional uses of medicinal plants, although the lack of search engines which access to information about medicinal plants.

Along with the strong development of science and technology, our group has an idea and aspiration which about create one system that provides information of medicinal plants in Vietnam, allows searching information on medicinal plants under the utility group.

With each system medicinal plants provides a detail: names of medicinal plants, referral information, descriptions, information on distribution, processing, effects, utility and prescription used medicinal plants.

3.2.2.2 Scope

Our project scope included:

- Developing user requirement and software requirement specification.
- Developing architecture and detailed design documents.
- Coding and unit test.
- Developing test case and execute system test.

- The developing software will have these following functions.

3.2.2.3 The functions of Project

These are the functions of VMN's project:

3.2.2.3.1 Client Module.

- Register:** Guest can register an account and login to use features of VMN system.
- Login/Logout/ Forgot password:** Member can login/logout an account to use or exit system project. If member forgot password, they can reset their password again by email.
- Search:**
 - Search by name:** Member can search a medicinal plant at medicinal plant tab, a remedy at remedy tab by name
 - Search by utility, allocation place, characteristics or multiple conditions (in search advance function):** member can search by utility, allocation place, characteristics or multiple conditions of medicinal plants or remedies and system will display result as a list which suitable with key words.
- An article:**
 - Contribute:** Member can create a new article of remedy or medicinal plants with basic info such as: name, utility, place of grow....
 - Change content:** Member can edit and update their articles but they have to wait of Mod's approving.
 - Comment/Rate:** Member can comment/rate an article.
 - Report:** Member can report an article when it has problem as duplicate, wrong information...to Mod.
 - Approve new article:** Mod can set status of an article: pending to approved, pending to suspend, approved to suspend, etc.
 - Approve article content's change:** Mod has ability to approve article content's change or article's author.
 - Delete:** Mod has ability to delete duplicate or invalid article.
- Member's information:**
 - Change password:** Member can change password to keep security.
 - Update profile:** Member can edit or update their information as name, address, avatar, ...

3.2.2.3.2 Admin Module

- Manage user:**
 - Search user: Admin can search with name of user and system will display simple information about that user(name, email, phone number)
 - Deactivate/activate user: admin can set user's account to deactivate or activate.
- Manage project:**
 - Search project :
 - Search with project name: Admin can search with name of project and system will display simple information about that project.
 - Search with category: Admin can search with category of project and system will display all project with that category
 - Search with Creator name: Admin can search with Creator name of project and system will display all project of that user.

- Edit project status: Admin can set status of a project: pending to approved, pending to suspend, approved to suspend, etc.
- **Manage Backing:** Admin can view users who backed a project. Also, Admin can view simple information about that user and which reward they chose.
- **Manage Categories:**
 - Add new category: Admin can add new category.
 - Deactivate/activate category: Admin can set category's status to deactivate or activate
- **Manage Slider:** Slider list includes images what running at homepage.
 - Add new image: Admin can add new image to slider
 - Deactivate/activate: Admin can set image's status to deactivate or activate on slider.
 - Delete image: Admin can delete image.
- **Message:** Admin can view received messages/sent messages.
 - Compose new message: Admin can compose new message to send to user.
 - Delete message: Admin can delete received messages/sent messages

3.2.3 Assumptions and Constraints

No	Description	Note
Assumptions		
Constraints		
1	This project must be completed and delivered before 22/01/2016	Schedule
2	In doing project processing, PM must submit report (include 6 reports) on certain date.	Schedule
3	Software Requirement Specification Document and Project Plan must be completed within 3 days since 18/01/2016 Deadline: 21/01/2016	Schedule
4	Design Document (include Architecture Design, Screen Design, Database Design) must be completed within 4 days since 25/01/2016 Deadline: 29/01/2016	Schedule
5	Integration Test Plan (include test plan and test case...) must be completed within 15 days since 22/10/2016 Deadline: 29/01/2016	Schedule
6	Completed coding activity and have unit test result within 20 days since 05/13/2016 Deadline: 25/03/2016	Schedule
7	Complete all of document and application before finishing the project on 22/04/2016	Schedule
8	Project contains 4 members	Resource

Table 2-3: Project Description

3.2.4 Project Objectives

3.2.4.1 Standard Objectives

Metrics	Unit	Committed	Re-committed	Note
Start Date		04-01-2016		
End Date		22-04-2016		
Duration	Day	85		
Team Size	Member	4		
Billable Effort	Man-hour	1280		
Calendar effort	Man-hour	1280		
Effort Usage	%	100		

Table 2-4: Standard Objectives

Metrics	Unit	Basic for setting Goals
		Average
Customer Satisfaction	Point	9.5
Leakage	def/mm	5
Effort Efficiency	%	95
Timeliness	%	100

Table 2-5: Standard Objectives 2

3.2.4.2 Specific Objectives

Metrics	Unit	Basic for setting Goals	
		Plan	Actual
Training technology: Laravel, Bootstrap, jQuery, PHP, MySQL,	Man-hour	60	60
Execute group review	Man-hour	32	20
Training requirements, process before coding	Man-hour	32	20

Table 2-6: Specific Objectives

3.2.5 Critical Dependencies

No	Dependency	Expected delivery date	Note
1	This project must be completed and delivered to FPT University.	22/04/2016	
2	Project Plan and SRS must be completed and delivered to Supervisor.	23/01/2016	
3	User manual, Software Package and Installation Guide must be completed and delivered to Supervisor and FPT University.	17/04/2016	
4	Beside Capstone Project, Team members have to joining in Japanese class and Japanese Fundamental Exam class.	04/01/2016	

Table 2-7: Critical Dependencies

3.2.6 Project Risk

PM identifies risks in the Risk Management Plan. The document is updated to trigger each milestone, each event also. The document is updated weekly by the PM, Risk Management Plan will be notified to all of the stakeholders affected. Status of risk is reported to supervisor at Project Milestones Report.

Reference to [VMN_Risk Management Plan_v1.0_EN.xlsx](#)

N o	Risk	Root Cause	Triggers	Avoidance plan	Contingency plan	Fallback plan
1	Conflict among team members	Team member doesn't understand each other	Has issue inside team	Plan some team buildings to improve teammate	Have a meeting to resolve conflict problem	Switch member to other team.

2	Requirement is changed after project is started	SRS not good (not realistic, not feasibility, not meet customer needs)	Customer (user) make change request. Or project team cannot develop the system as description in SRS.	Requirement should be paid a lot of attention. SRS should be reviewed carefully by PM and the supervisor.	With each requirement changes, the project team should have a meeting to analysis the change requests and take actions.	Re-estimate and update plan.
3	Team member do not meet the deadline	Undisciplined and habit of team member, loose management	Have a deadline	Setting rule and minus of do not meet the deadline: lost money and named at meeting minute.	Punish the member do not meet the deadline. Working over time.	Ask for help from out of team, supervisor s.
4	Inability to verify/validate products against requirements .		Inability to verify/validate products against requirements.	Print out the result to check by normal eyes. Debug into code to see how the code is running	Print out the result to check by normal eyes. Debug into code to see how the code is running	Ask for help from supervisor s
5	The server has defective parts.	Defective power supply...	Server is down...	Ensure the supplier provides with the adequate warranties.	Replace or fix the defective parts quickly.	Buy a new one.
6	Delivery project doesn't meet requirement	Team member not understand requirement	Can't delivery project	Teamlead have to review sourcecode and follow requirement	Fix in next version	Extend dealine

Table 2-8: Risk Management plan

3.3 Project Development Approach

3.3.1 Project Process

Process of this project is performed follow to Software Development Process of FPT Software.

3.3.1.1 FPT Software Process Model

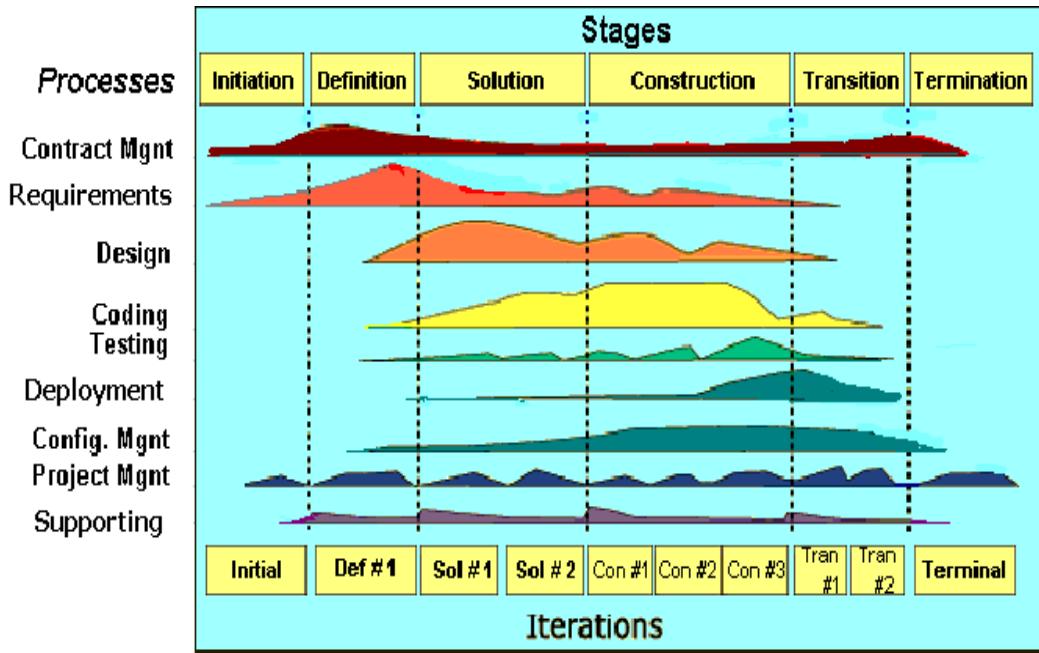


Figure 2-1: FPT Software process model

The software lifecycle is broken into *cycles*, each cycle working on a new generation of the product. The FPT Software process divides one development cycle in six consecutive *phases*:

1. Initiation phase
2. Definition phase
3. Solution phase
4. Construction phase
5. Transition
6. Termination

3.3.1.2 Project Life Cycle

Basing on FPT Software process and real-world project, we decided to divide the project into 4 phases: Initiation, Solution, Construction, and Termination:

- ❖ **Initiation Phase:** This is the explanatory phase of the project. Project objective and description is described at this stage. The purpose of this phase is to collect and understand business requirements, detail the project plan and agree upon a high level statement of work. Our primary objectives are complete project identification and project plan. After these are completed, the project is checked against the following criteria:
 - Identify business functions of the system
 - Determining the scope, conditions and limitations of the project
 - List the main functions of the system
 - List one or more suitable architecture for the system

- Identify project risks
- Complete Report #1
- ❖ **Solution Phase:** In this phase, the architecture of the system is designed. The goal is to translate requirements and specification into a technical solution to produce Technical Design.
 - Our primary objectives are complete Requirement Specification, Architecture Design and Database Design.
 - Finally, the plan must be provided (including estimates of cost and time) for the construction phase. The plan must ensure proper and accurate based on experience.
 - Complete Report #2
- ❖ **Construction Phase:** This is the longest phase of a project life cycle.
 - In this phase, all functions of the system will be installed. The installation will be divided into small stages, each stage of the installation a few functions. The results of each phase will be the release of the module function can be executed.
 - Construction and improvement of products until the final product is ready to deliver to the user. During this phase, all the components and other features of the application is developed and integrated into the product.
 - This phase emphasizes the resource management and control operations to optimize cost, time and quality.
 - Complete software packages and Report #3, #4
- ❖ **Termination Phase:** This is the final phase in the life cycle of a project.
 - Their products will be deployed to the client. The feedback received during the transfer process will be recorded and put on the new functional requirements or functionality enhancements in the next version of the product.
 - Phase transfer switch also includes the training system and the new system for the user.
 - Complete software packages and Report #5, #6

3.3.2 Requirement Change Management

Who logs the change request?	Any team members
Who reviews the change request?	PM or who is assigned by PM
Who approves the change request?	PM by default. PTL if: <ul style="list-style-type: none"> ▪ Changes to project scope ▪ Changes in delivery plan of project deliverables ▪ Changes to assignment for key roles (PM, PTL)

Table 2-9: Requirement Change Management

3.3.3 Quality Management

3.3.3.1 Defect Prevention Strategy

Item (Process/Product)	Strategy	Expected Benefits
Requirement missing	List up all of requirement into SRS document.	10–20% reduction in defect injection rate and about 2% improvement in productivity
Careless mistake in Design Document Format/Template wrong	After designing, QA will review Document Format base on checklist review design	Improvement in quality as overall defect removal efficiency will improve; some benefits in productivity as defects will be detected early
Use wrong template	Have a meeting to disseminate all template that is used in this project for all member	All member will use right template when do document
Coding application does not match with User Requirement.	Develop Team must study about Requirement/Design within 1 weeks since project is assigned. PM and PTL has responsibility to review task results and explain User Requirement for Develop Team	Coding Application match with User Requirement.

Table 2-10:Defect Prevention Strategy

3.3.3.2 Review Strategy

Review Item	Reviewer	Review Type	Review Method	Completion
-------------	----------	-------------	---------------	------------

				Criteria
Project Plan Project Schedule CM Plan	PM, QA, Supervisor	Group review Group review One-person review	Use checklist and Self-review	
Business analysis and requirements specification document, Use Case catalog	PM, QA, Supervisor	Group review and One-person review	Use checklist	
Design document, object model	Self-review, PM, QA Supervisor	One-person Review	Use checklist	
Stage plans	PM, QA, Supervisor	One-person review	Use checklist	
Complex/first time generated program specs incl. test cases, interactive diagrams		Group review		
Source code	Self-review, Peer review, PM, Supervisor	One-person review and Group review	Self-review and use checklist	

Table 2-11: Review Strategy**3.3.3.3 Unit Testing Strategy**

Item to be Unit Tested	Unit Test Type	Unit Test Technique	Tool Used	Unit Test Completion Criteria
Source Code	White-Box Test	Using unit test case	None	- Statement coverage: 100% - Branch coverage: 100% - Path coverage: 100%

Table 2-12: Unit Testing Strategy**3.3.3.4 Integration Testing Strategy**

Item to be Integration Tested	Integration Test Type	Integration Test Technique	Tool Used	Completion Criteria
Do test by flow of functions and items which have concern each other	Black-Box Test		Checklist, Boundary	- Number of TC/functions: 10 TC/function

				- Number of defects/function : 1-2 defects/function
--	--	--	--	---

Table 2-13: Integration Testing Strategy**3.3.3.5 System Testing Strategy**

Item to be System Tested	System Test Type	System Test Technique	Tool Used	Completion Criteria
Test whole system	Black-Box Test		None	- Number of TC/functions: 20 TC/function - Number of defects/function: 1-2 defects/function

Table 2-14: System Testing Strategy**3.3.3.6 Estimates of Defects to be detected**

Review/Testing Stage	Targeted No. of Defects to be detected	% of Defects to be detected	Basic for Estimation
Requirements review	20	14%	Referenced to similar project estimations
Design review	15	10%	Referenced to similar project estimations
Code review	30	20%	Referenced to similar project estimations
Unit Test	20	14%	Referenced to similar project estimations
Integration Test	5	3%	Referenced to similar project estimations
System Test	35	25%	Referenced to similar project estimations
User Acceptance Test	20	14%	Referenced to similar project estimations
Total	145	100%	

Table 2-15: Estimates of Defects

3.3.3.7 Measurements Program

Data to be collected	Purpose	PIC	When
Size: No. of KLOC	Achieve target	PM	At the end of stages
Effort: No. Man-hour	Monitor and controlling team member to keep plan.	Team members	Daily
Quality: No. defects detected	Managing product's quality.	Reviewer Tester	Right after the review/test
Schedule	Monitor and controlling software developing processing keep plan.	PM	Weekly and at the end of stages

Table 2-16: Measurements Program

3.4 Estimation

3.4.1 Size

This project is performed and must complete all requirements from teacher and FPT University. So size of our project is in Capstone Project limit.

3.4.2 Effort

The Effort estimation is documented in the table below:

	Initiation	Solution	Construction	Termination	Total
Effort(Man-hour)	224	368	512	288	1280
Total % budgeted Effort Usage (%)	100	100	100	100	

Table 2-17: Effort Estimation

3.4.3 Schedule

3.4.3.1 Project Milestone & Deliverables

No	Stage	Committed Delivery date	Description of Deliverable	Delivery media
Initiation			Requirements agreed, Report 1 reviewed	
1	Develop project idea	07-01-2016	Project goals and scope defined, milestone description defined, resource committed	Commit Git
2	Q&A Management Sheet	19-01-2016	Criteria: Documentation reviewed	Commit Git
4	Project Plan	15-01-2016	Criteria: Documentation reviewed	Commit Git
Solution				
1	Screen Prototype	19-01-2016	Criteria: Documentation reviewed	Commit Git
2	Architecture Design	26-01-2016	Criteria: Documentation reviewed	Commit Git
3	Screen Design	28-01-2016	Criteria: Documentation reviewed	Commit Git
4	Class Design	29-01-2016	Criteria: Documentation reviewed	Commit Git
5	Detail Data Design	27-01-2016	Criteria: Documentation reviewed	Commit Git
6	SRS	21-01-2016	Criteria: Documentation reviewed	Commit Git
8	Submit Test Plan Final	19-02-2016	Criteria: Documentation reviewed	Commit Git
Construction			Product developed & tested and released to supervisor, documentation reviewed.	
1	Complete Test Case	04-03-2016	Criteria: Documentation reviewed	Commit Git
2	Complete Coding and Unit Test	25-03-2016	Source code Acceptance criteria: Product unit tested	Commit Git
4	Complete Testing	31-03-2016	Completed Test	Commit Git
Termination			Project post-mortem is conducted, Project assets archived and released to supervisor	
1	Lesson learned	07-04-2016	Criteria: Completed	Commit Git
2	Complete	13-04-2016	Criteria: Completed	Commit Git

	Presentation Slide			
3	Represent capstone project	27-04-2016	Criteria: Completed	Commit Git
4	Project Complete	29-04-2016	Criteria: Completed	Commit Git

Table 2-18: Project Milestone and Deliverables

3.4.3.2 Detail Schedule

The detail project schedule is available in file [VMN_ProjectSchedule_v1.0_EN.mpp](#).

	Task Name	Duration	Start	Finish	Resource Names	Timeline
1	VMN	85 days	Mon 1/4/16	Fri 4/29/16		15 Jan 10, '16 Jan 31, '16 Feb 21, '16 Mar 13, '16 Apr 3, '16 Apr 24, '16 May 15, '16 Jun 5, '16 Jun 26, '16 F S S M T W T F S S M T W T F S S M T W T F S S M
2	Initiation	14 days	Mon 1/4/16	Thu 1/21/16		
3	Form up team	0.5 days	Mon 1/4/16	Mon 1/4/16	PROJECT TEAM	
4	Select project idea	0.5 days	Mon 1/4/16	Mon 1/4/16	PROJECT TEAM	
5	Develop project idea	3 days	Tue 1/5/16	Thu 1/7/16		
6	Define project scope	1 day	Tue 1/5/16	Tue 1/5/16	TienNM	
7	Define project features	2 days	Wed 1/6/16	Thu 1/7/16	PROJECT TEAM	
8	Create project introduction	3 days	Fri 1/8/16	Tue 1/12/16	QuynhHT, KhanhTB	
9	SRS/PP Review checklist	1 day	Wed 1/13/16	Wed 1/13/16	DangNH	
10	Project plan	2 days	Thu 1/14/16	Fri 1/15/16		
11	Develop project plan (MS project)	1 day	Thu 1/14/16	Thu 1/14/16	TienNM	
12	Develop schedule	0.5 days	Fri 1/15/16	Fri 1/15/16	TienNM	
13	Develop CM Plan	0.5 days	Fri 1/15/16	Fri 1/15/16	DangNH, TienNM	
14	Develop mockup prototype	3 days	Fri 1/15/16	Tue 1/19/16	DEV Team	
15	Software Requirement Specification	4 days	Mon 1/18/16	Thu 1/21/16		
16	Create Requirement Specification (SRS)	3 days	Mon 1/18/16	Wed 1/20/16	DangNH, QuynhHT	
17	Review and Update SRS	1 day	Thu 1/21/16	Thu 1/21/16	QuynhHT	
18	Q&A Sheet	2 days	Mon 1/18/16	Tue 1/19/16		
19	Create Q&A sheet	1 day	Mon 1/18/16	Mon 1/18/16	KhanhTB	
20	Review Q&A sheet	0.5 days	Tue 1/19/16	Tue 1/19/16	TienNM	
21	Translate Q&A sheet to Japanese	0.5 days	Tue 1/19/16	Tue 1/19/16	KhanhTB	
22	Solution	23 days	Wed 1/20/16	Fri 2/19/16		
23	System design	8 days	Wed 1/20/16	Fri 1/29/16		
24	Architecture Design	5 days	Wed 1/20/16	Tue 1/26/16		
25	Define system feature	1 day	Wed 1/20/16	Wed 1/20/16	TienNM	
26	Create Architectural design	2 days	Thu 1/21/16	Fri 1/22/16	TienNM	
27	Review architectural design	1 day	Mon 1/25/16	Mon 1/25/16	DangNH	
28	Update Architectural Design	1 day	Tue 1/26/16	Tue 1/26/16	TienNM	
29	Screen Design	6 days	Thu 1/21/16	Thu 1/28/16		
30	Create screen flow document	1 day	Thu 1/21/16	Thu 1/21/16	DangNH, KhanhTB	
31	Create member screen design	3 days	Fri 1/22/16	Tue 1/26/16	DangNH, KhanhTB	
32	Create admin screen design	1 day	Tue 1/26/16	Tue 1/26/16	DangNH, KhanhTB	
33	Review screen design	1 day	Wed 1/27/16	Wed 1/27/16	TienNM	
34	Update screen design	1 day	Thu 1/28/16	Thu 1/28/16	DangNH, KhanhTB	
35	Database Design	5 days	Thu 1/21/16	Wed 1/27/16		
36	Create database design	3 days	Thu 1/21/16	Mon 1/23/16	KhanhTB	
37	Review database design	1 day	Tue 1/26/16	Tue 1/26/16	TienNM	
38	Update database design	1 day	Wed 1/27/16	Wed 1/27/16	KhanhTB	
39	Class/Component Design	5 days	Mon 1/25/16	Fri 1/29/16		
40	Define Class and Component	1 day	Mon 1/25/16	Mon 1/25/16	TienNM	
41	Create Class and Component	2 days	Tue 1/26/16	Wed 1/27/16	DangNH	
42	Review Class and Component	1 day	Thu 1/28/16	Thu 1/28/16	TienNM	
43	Update Class and Component	1 day	Fri 1/29/16	Fri 1/29/16	DangNH	
44	Testing	5 days	Mon 2/15/16	Fri 2/19/16	Test Team	
45	Create test plan/case chart	1 day	Mon 2/15/16	Mon 2/15/16		
46	Create test plan	3 days	Tue 2/16/16	Thu 2/18/16	QuynhHT	
47	Review test plan	0.5 days	Fri 2/19/16	Fri 2/19/16	Test Team	
48	Update test plan	0.5 days	Fri 2/19/16	Fri 2/19/16	QuynhHT	
49	Construction	32 days	Mon 2/22/16	Tue 4/5/16		
50	Define coding standards	2 days	Mon 2/22/16	Tue 2/23/16		
51	Create Coding Convention	1 day?	Mon 2/22/16	Mon 2/22/16	DEV Team	
52	Create Code & UT Test	1 day?	Tue 2/23/16	Tue 2/23/16	DEV Team	
53	Coding & Unit test	24 days	Tue 2/23/16	Fri 3/25/16		
54	Structure core modules & source code common	1 day	Tue 2/23/16	Tue 2/23/16	TienNM	

	Task Name	Duration	Start	Finish	Resource Names	15 F S Jan 10, '16 S M Jan 31, '16 T W Feb 21, '16 F S Mar 13, '16 S M Apr 3, '16 T W Apr 24, '16 F S May 15, '16 S M Jun 5, '16 T W Jun 26, '16 F S S M
55	Member module	18 days	Wed 2/24/16	Fri 3/18/16	DEV Team	
56	Home page	1 day	Wed 2/24/16	Wed 2/24/16	DEV Team	
57	Authentication service	2 days	Thu 2/25/16	Fri 2/26/16	DEV Team	
58	Article Module	10 days	Mon 2/29/16	Fri 3/11/16		
59	CRUD Article funct	5 days	Mon 2/29/16	Fri 3/4/16	DEV Team	
60	Search Article Funct	2 days	Mon 3/7/16	Tue 3/8/16	DEV Team	
61	Comment function	3 days	Wed 3/9/16	Fri 3/11/16	DEV Team	
62	Herb Medicine stores module	2 days	Mon 3/14/16	Tue 3/15/16	DEV Team	
63	Member profile	1 day	Wed 3/16/16	Wed 3/16/16	DEV Team	
64	Message Module	2 days	Thu 3/17/16	Fri 3/18/16	DEV Team	
65	Admin Module	5 days	Mon 3/21/16	Fri 3/25/16	DEV Team	
66	Authentication Service	1 day	Mon 3/21/16	Mon 3/21/16	DEV Team	
67	Manage Users Module	2 days	Tue 3/22/16	Wed 3/23/16	DEV Team	
68	Permission module	2 days	Thu 3/24/16	Fri 3/25/16	DEV Team	
69	Testing	29 days	Mon 2/22/16	Thu 3/31/16	Test Team	
70	Define testcase	10 days	Mon 2/22/16	Fri 3/4/16	Test Team	
71	Define system testca	5 days	Mon 2/22/16	Fri 2/26/16	Test Team	
72	Create system testcase	3 days	Mon 2/22/16	Wed 2/24/16	KhanhTB,QuynhHT	
73	Update and Review system	2 days	Thu 2/25/16	Fri 2/26/16	KhanhTB,QuynhHT	
74	Define Intergration	5 days	Mon	Fri 3/4/16	DangNH	
75	Execute Test	19 days	Mon 3/7/16	Thu 3/31/16	Test Team	
76	Execute test round 1	10 days	Mon 3/7/16	Fri 3/18/16	Test Team,DE	
77	Execute Integration Test	4 days	Mon 3/7/16	Thu 3/10/16	Test Team	
78	Fix bug Intergration test	2 days	Fri 3/11/16	Mon 3/14/16	DEV Team	
79	Execute System Test	4 days	Fri 3/11/16	Wed 3/16/16	Test Team	
80	Fix bug System Test	2 days	Thu 3/17/16	Fri 3/18/16	DEV Team	
81	Update test case resu	1 day	Mon 3/21/16	Mon 3/21/16	KhanhTB	
82	Execute test round 2	8 days	Tue 3/22/16	Thu 3/31/16	DEV Team,Test Team	
83	Execute Integration Test	3 days	Tue 3/22/16	Thu 3/24/16	Test Team	
84	Fix bug Intergration test	2 days	Fri 3/25/16	Mon 3/28/16	DEV Team	
85	Execute System Test	3 days	Fri 3/25/16	Tue 3/29/16	Test Team	
86	Fix bug System Test	2 days	Tue 3/29/16	Wed 3/30/16	DEV Team	
87	Create test report	1 day	Thu 3/31/16	Thu 3/31/16	KhanhTB	
88	Quality Control	3 days	Fri 4/1/16	Tue 4/5/16	KhanhTB,QuynhHT	
89	Create Quality Report	2 days	Fri 4/1/16	Mon 4/4/16	KhanhTB	
90	Review Quality Report	0.5 days	Tue 4/5/16	Tue 4/5/16	QuynhHT	
91	Update Quality Report	0.5 days	Tue 4/5/16	Tue 4/5/16	KhanhTB	
92	Termination	18 days	Wed 4/6/16	Fri 4/29/16		
93	Create lesson learned	2 days	Wed 4/6/16	Thu 4/7/16	QuynhHT	
94	Final Report Document	4 days	Fri 4/8/16	Wed 4/13/16	PROJECT TEAM	
95	Create Final Report document	3 days	Fri 4/8/16	Tue 4/12/16	PROJECT TEAM	
96	Create Installing Guide	2 days	Mon 4/11/16	Tue 4/12/16	TienNM	
97	Create User Guideline	2 days	Mon 4/11/16	Tue 4/12/16	DangNH	
98	Create Project Result Assessment	3 days	Mon 4/11/16	Wed 4/13/16	PROJECT TEAM	
99	Create Slides for Final Presentation	2 days	Tue 4/12/16	Wed 4/13/16	QuynhHT	
100	Thesis defense prepare	5 days	Thu 4/14/16	Wed 4/20/16		
101	Presentation Demo	5 days	Thu 4/14/16	Wed 4/20/16	PROJECT TEAM	
102	Backup plant	4 days	Thu 4/21/16	Tue 4/26/16	PROJECT TEAM	
103	Thesis defense	3 days	Wed 4/27/16	Fri 4/29/16	PROJECT TEAM	

3.4.4 Resource

Specified as in the section [2.5.2 Project Team](#)

3.4.5 Infrastructure

Item	Description	Expected Availability by	Note
Development Environment			
Operating System	Ubuntu 14.04 LTS		
Browser	Chrome (40 or above), Firefox (30 or above)		
Development language	PHP, Javascript		
Technology			
Development language	PHP, Javascript		
Database	MySQL 5.6		
Hardware Requirement			
Hardware Configuration	2GB workspaces on server		
Equipment & Tools			
Source Version Control	Git	Definition stage	
Task Tracking	Trello (https://trello.com)	Initiation stage	
SRS	Microsoft Office Word 2013, Microsoft Office Excel 2013	Initiation stage	

Table 2-19: Infrastructure

3.4.6 Training Plan

Training Area	Participants	Duration	Waiver Criteria
Technical			
PHP	Dang NH, Khanh TB	1 week	Mandatory
Javascript	KhanhTB, DangNH	1 week	Mandatory
Bootstrap	DangNH – KhanhTB	1 week	
Process			
Quality system		3 hours	If already trained
Configuration management		2 hours	If already trained for CC. For others, on- the-job training
Group review		2 hours	If already trained
Defect prevention		2 hours	Mandatory

Table 2-20: Training Plan

3.4.7 Finance

Because this project is non-business, it is a Capstone Project at FPT University. So we do not estimate about finance.

3.5 Project Organization

3.5.1 Organization Structure

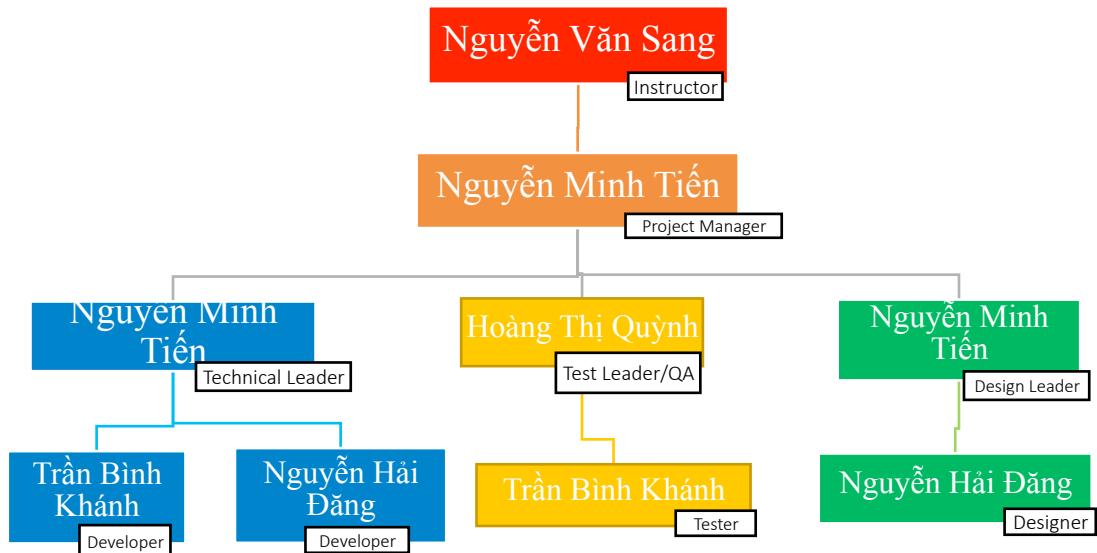


Figure 2-2: Organization Structure

3.5.2 Project Team

Role	Responsibility	Full name	Effort (%)	Start date	End date
PM	Have overall responsibility of the project: - Project planning and scheduling - Task assignment and tracking processing - Review documents - Reporting to supervisor	TienNM	50	04-01-2016	25-04-2016
PTL	PTL is responsible for the technical project execution	TienNM	50	04-01-2016	25-04-2016
Programmer #1	- Study technique (PHP, Javascript) - Coding functions and modules of system. - Peer-review source code of others members	KhanhTB, DangNH	50	04-01-2016	25-04-2016
Programmer #2	- Support coding functions and modules of system.	QuynhHT	20	04-01-2016	22-04-2016

Test Leader	- Create test plan, test case, test report, quality report - Execute test.	QuynhHT	80	04-01-2016	25-04-2016
Tester	- Support creating test plan, test case, test report, quality report Execute test.	KhanhTB	20	04-01-2016	25-04-2016
Design Lead	- Create screen design, prototype - Review design of others member	DangNH	50	04-01-2016	25-04-2016
Designer #1	- Support creating screen design	KhanhTB	30	04-01-2016	25-04-2016

Table 2-21: Project Team description

The detail of Human resource budget allocation over the whole project life is in the below table:

Role	Name	W-1-Jan	W-2-Jan	W-3-Jan	W-4-Jan	W-1-Feb	W-2-Feb	W-1-Mar	W-2-Mar	W-3-Mar	W-4-Mar	W-1-Apr	W-2-Apr	W-3-Apr	W-4-Apr	Total (m h)
PM/PT L	Nguyen Minh Tien	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	320
Dev	Nguyen Hai Dang	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	320
Dev	Tran Binh Khanh	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	320
Test Leader/ Dev	Hoang Thi Quynh	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	10 0 %	320
Total																128 0

Table 2-22: Human Resource Budget Allocation

3.6 Communication & Reporting

Communication Type	Method/Tool	When	Information	Participants/ Responsible
Project Task Tracking				
Task scheduling	MS Project Professional 2013	At the beginning of every stage, and weekly Refinement and rescheduling as necessary		PM
Task assignment	MS Project Professional 2013	Weekly		PTL
Task status reporting	Face to face	Daily		Project Team members
Project Meeting				
Kick-off Meeting	Face to face	Initiation stage	Project introduction; Project plan review; Risk identification; stakeholders identify.	PM, Project Team Members
Project Progress Review Meetings	Face to face	Weekly and on event	Communicate project status Communicate and resolve any open issue, risks, and changes Discuss any suggested improvement	PM, Project Team Members
Milestone Meetings	Face to face	5 days after the completion of stages: Definition, Solution & Construction	Project objective review, evaluate project performance (quality, schedule,	PM, Project Team Members, QA, Supervisor

			effort), Causal analysis, update project plan for next stage	
Supervisor Communication and Reporting:				
Communication with Supervisor				
Transfer/Sharing of project documentation/information	Git	When available	All project documentation and information	PM, Project Team Members, QA
Project Report	Agreed FPT Software and FU standard format	5pm Monday, Weekly	Project status report, Issue requiring clarifications, escalation, if any	PM
Project Meetings with supervisor	Face to face	5h15 Thursday or Friday Weekly	As above	PM
Requirement gathering/clarification	Face to face meeting	During requirement analysis phase	As in Q&A list	PM
Review Project Plan & Project schedule	By attend project meeting	Significant changes to WO, PP and Project schedule (scope, objectives Organization, HR, major milestone, deliverables)		PM
Project Progress Review	By email and/or via Operation meeting at Group/Division level	Weekly	Project status report, Issue requiring clarifications, escalation, if any	PM
Project Milestone Review	By email and via project milestone review meeting	End of every stage	Project objective review, evaluate	PM

			project performance (quality, schedule, effort), Causal analysis, update project plan for next stage	
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Table 2-23: Communication and Reporting Plan

4 SOFTWARE REQUIREMENT

4.1 Introduction

4.1.1 Purpose

The document is aiming at describing detailed specification of functionalities and non-functional requirement of VMN software. It provides detailed information for developers, testers, project manager, managers, supporters and VMN users to have full understanding about VMN software what functionalities, development, and operational constraints the software must have.

By using this document, project team, business support team and the other people can have an overview about the software requirement specification of the VMN application and business/power users can review this document to know how the requirements have been documented. This document also describes the requirement scope of each phase in the project, users can verify the software to make sure the being provided software meet their expectation.

4.1.2 Definitions and Acronyms

#	Concept, term, abbreviations	Description
1	Guest	Anyone who have not log in VMN system.
2	Member	Person who register success in VMN system include Mod, herbal medicine store and common Member.
3	HMS	Herbal medicine store. Person who register success in VMN system and is approved as Vietnamese herbal medicinal store by Admin.
4	Mod	Person who register success in VMN system and their account is approved by Admin that they can manage articles.
5	Admin	System Administrator who can

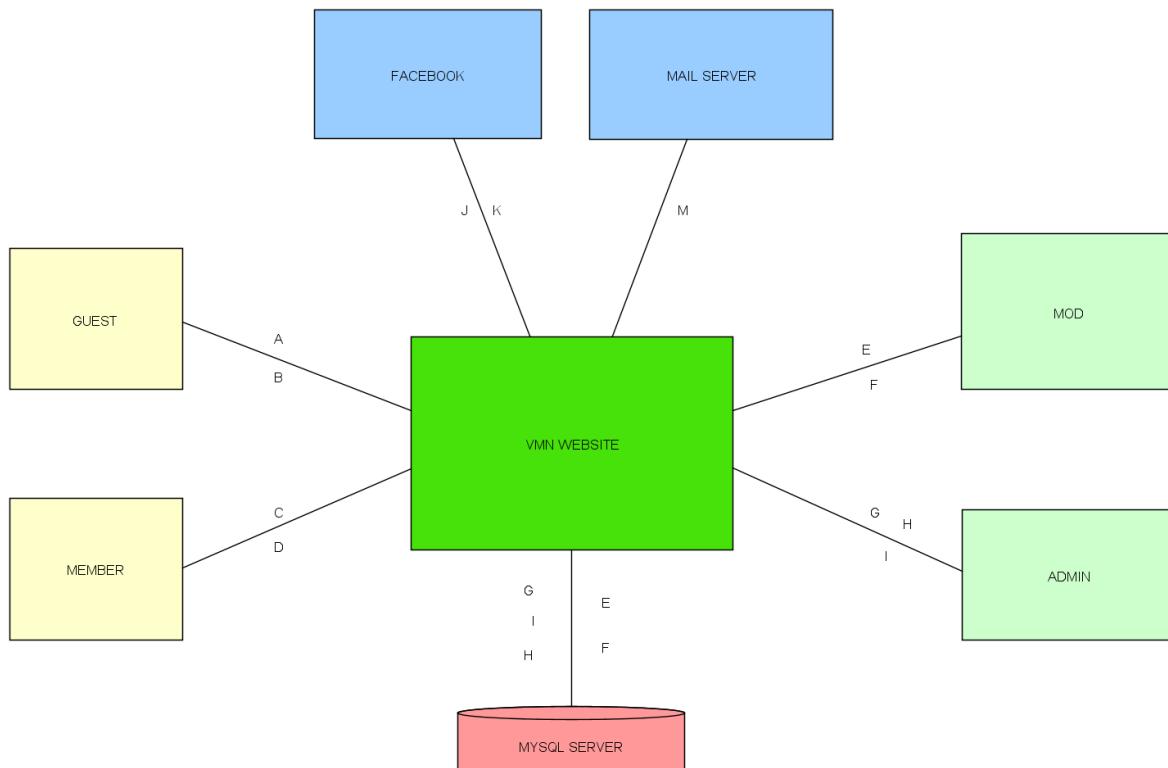
		manage Members and authorize other accounts.
6	Medicinal plants	System object that Member can search, contribute, comment, rate, share or report. Medicinal plants are plants that have utility for treat diseases.
7	Remedy	System object that Member can search, contribute, comment, rate, share or report. Remedy is set of medicine plants that use for treat disease.
8	VMN	Vietnamese Medicinal Plants Network

Table 3-1: Definition and Acronyms

4.2 Software Requirements Specification

4.2.1 Overall Description

4.2.1.1 System Perspective

**Figure 3-1: System overview**

Note:

A: Medicinal Plants Article (ID, Name, Science name, Description, Allocation place, Utility, Author, Like, Share, Basic search)

B: Remedy Article (ID, Title, Ingredients, Usage, Utility, Note, Author, Like, Share, Basic search)

C: Medicinal Plants Article (ID, Name, Science name, Other name, Description, Allocation place, Utility, Author, Rate, Report, Comment, Like, Share, Basic search, Advance search)

D: Remedy Article (ID, Title, Ingredients, Usage, Utility, Note, Author, Add new, Change content, Rate, Report, Comment, Like, Share, Basic search, Advance search)

E: Medicinal Plants Article (ID, Name, Science name, Other name, Description, Allocation place, Utility, Author, Rate, Comment, Approve)

F: Remedy Article (ID, Title, Ingredients, Usage, Utility, Note, Rate, Author, Comment, Approve)

G: Member Info (ID, First name, Last name, Account, Email, Date of birth, Gender, Password, Role)

H: Mod Info (ID, Name, Account, Email, Password, Role)

I: HMS Info (ID, Account, Name, Email, Representative, Mobile number, Address, Approve)

J: Medicinal Plants Article (Like, Share)

K: Remedy Article (Like, Share)

M: Member Infor (Forgot Password)

4.2.1.2 Product Features

4.2.1.2.1 Authentication Functions Group

#	Use case ID	Function Name	Description
1	UC101	Register as common Member	Guest have ability to register and become common Member to use VMN's resources.
2	UC102	Register as herbal medicine store	Guest have ability to register and become herbal medicine store to use special functions for HMS.
3	UC103	Login	When register successful, Member have ability to log in VMN website.
4	UC104	Change password	Member have ability to change their password if they think it's not safe enough.
5	UC105	Forgot password	In case that Member forgot their password, VMN website will support them to get it again though Member's registered email.
6	UC106	Logout	Member have ability to log out VMN website.

4.2.1.2.2 Medicinal plants Functions Group

#	Use case ID	Function Name	Description
1	UC201	View	Guest, Member and Mod have ability to view detail of article.
2	UC202	Basic Search	Guest, Member and Mod have ability to search medicinal plant articles by title.
3	UC203	Advance Search	Member and Mod have ability to search articles by multiple conditions include: name, utility, description, characteristic, allocation place.
4	UC204	Add new article	Member and Mod have ability to contribute new article by basic information such as: name, science name, description, characteristic, allocation place, utility.
5	UC205	Change article content	Member and Mod have ability to update their articles to edit, fix content if need. But if Members want to update their articles, they need to wait Mod's approving.
6	UC206	Rate	Member and Mod have ability to rate articles by hover on rate box.
7	UC207	Comment	Member and Mod have ability to comment articles to share their idea about the content.
8	UC208	Report	Member have ability to report articles. For reasons such as: existing duplicate or wrong information article.
9	UC209	Share	Guest, Member, Mod have ability to share articles which useful for other on Facebook.
10	UC210	Like	Guest, Member, Mod have ability to share articles which useful for other on Facebook.
11	UC211	Approve new article	Mod have responsibility to verify then approve new articles which is contributed by Member.
12	UC212	Approve change article content	In case that Member update their articles content, before the articles are showed on VMN website,

			Mod have responsibility to verify then approve them.
13	UC213	Delete article	Mod have ability to delete articles. After deleting, VMN website will send notice message to deleted article's author
14	UC214	Remind article	Mod have ability to remind an article to author when the article is reported by other Member.

4.2.1.2.3 Remedy Functions Group

#	Use case ID	Function Name	Description
1	UC301	View	Guest, Member and Mod have ability to view detail of article.
2	UC302	Basic Search	Guest, Member and Mod have ability to search remedy articles by title.
3	UC303	Advance Search	Member and Mod have ability to search articles by multiple conditions include: title, utility, ingredients, note.
4	UC304	Add new article	Member and Mod have ability to contribute new article by basic information such as: cover picture, illustrations, video, title, ingredients, description, note, usage.
5	UC305	Change article content	Member and Mod have ability to update their articles to edit, fix content if need. But if Members want to update their articles, they need to wait Mod's approving.
6	UC306	Rate	Member and Mod have ability to rate articles by hover on rate box.
7	UC307	Comment	Member and Mod have ability to comment articles to share their idea about the content.
8	UC308	Report	Member have ability to report articles. For reasons such as: existing duplicate or wrong information article.
9	UC309	Share	Guest, Member, Mod have ability to share articles which useful for other on Facebook, G+, Twister.
10	UC310	Approve new article	Mod have responsibility to verify then approve new articles which is contributed by Member.
11	UC311	Approve change article content	In case that Member update their articles content, before the articles are showed on VMN website, Mod have responsibility to verify then approve them.
12	UC312	Delete article	Mod have ability to delete articles which were reported by Member. They need read carefully Member's reasons then check again and decide delete or not. After deleting, VMN website will send notice message to deleted article's author.
13	UC313	Like	Guest, Member, Mod have ability to share articles which useful for other on Facebook.
14	UC314	Remind article	Mod have ability to remind an article to author when the article is reported by other Member.

4.2.1.3 Member Functions Group

Table 4-1: Use case of Member Functions Group

#	Use case ID	Function Name	Description
1	UC501	Update profile	Member have ability to update their profile include: email, displayed name, date of birth, gender, avatar, first name, last name, phone number, address.
2	UC502	View by Admin	Admin have ability to view list of Member on Admin manage page.
3	UC503	Active/Inactive	Admin have ability to active Member's account which inactive and contrary.
4	UC504	View Member's Profile	Guest, Member, Mod have ability to view author's profile when click on author's name hyperlink in each article.
5	UC505	Approve HMS account	In case that Guest register as HMS, Admin have responsibility to verify the HMS then approve them as HMS account in VMN website

4.2.1.4 Mod Functions Group

Table 4-2: Use case of Mod Functions Group

#	Use case ID	Function Name	Description
1	UC601	Create Mod account	Admin have ability to create Mod account.
2	UC602	Authorization	Admin have ability to authorize a Mod account: Mod becomes member and contrary.

4.2.1.5 User Characteristics

VMN website provides an place for people to research, discuss and share information about Vietnamese medicinal plants and their remedies. VMN has 4 objective users:

- **Guest:** Users did not register, they can use some function like Register, Discover project, Search, etc...
 - **Member:** Users have account on DVMNDL, they can use almost functions of VMN for user like Login, Logout, Create, add new article about medicinal plants or remedies, Comment, Report, etc... (User can register as herbal medicine store)
 - **Administrator:** They manage all member in system .
 - **Mod:** they also are member and content manager of system
- thay doan nay duoi 3.2.1.5 cho anh xoa het text cu di

4.2.2 Functional Specification

4.2.2.1 Business Rules

No	Description
B1	Username's length is 8-20 characters
B2	Username does not have special characters: @#*&%...
B3	Password's length is 8-60 characters
B4	Email's format is correct, ex: vmn.team@gmail.com

B5	Address is not null
B6	Mobile number is not null
B7	Password is not null
B8	Username or Email is not null
B9	Recent password is not null
B10	New password is not null
B11	Confirm password is not null
B12	Searching field is not null
B13	Allowed illustration extension: .jpg, .png, .gif, .jpeg
B14	Comment is not null
B15	Name field is from 5 to 50 characters
B16	Other name field is from 10 to 100 characters
B17	Science name field is from 5 to 40 characters
B18	Description field is from 30 to 500 characters
B19	Allocation place field is from 5 to 100 characters
B20	Utility field is from 10 to 500 characters
B21	Comment is not null
B22	Reason for report is not null
B23	Title field is from 10 to 100 characters
B24	Ingredient field is from 50 to 1000 characters
B25	Description field is from 50 to 1000 characters
B26	Usage field is from 50 to 500 characters
B27	Utility field is from 50 to 500 characters
B28	Note field is from 10 to 1000 characters

Table 3-2: Business rules**4.2.2.2 Authentication Functions Group****4.2.2.2.1.1 UC101-Register as common member**

Use Case ID	UC101	Use Case Name		Register as common member	
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	Guest				

Description		The function allows Guest to be able to register and become VMN website's Member.
Precondition		1. VMN must be connected to the Internet. 2. Guest browsed VMN website.
Trigger		
Post-Condition		
Main flows		
<i>Step</i>	<i>Actor</i>	<i>Action</i>
1	Guest	1. On <i>HomePage</i> , click on <i>Register</i> link.
2	VMN	1. Display <i>Register Page</i> by following fields: - First name - Last name - Gender - Date of birth - Username - Email - Password - Re-enter password - Register as HMS - Sign in - Sign up
3	Guest	1. Enter personal information. 2. Click on <i>Sign up button</i>
4	VMN	1. Save Guest's information into database. 2. Display message "You registered successfully". 3. Go to <i>Login screen</i> .

Alternative flows	
At step 2 in the main flows, if there is an internal error in the system,	
Actor	Action
VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
At step 3 in the main flows, VMN website cannot save Guest's information into database,	
Actor	Action
VMN	Display "Error" page with message "Failed to register. Please contact to Admin".

4.2.2.2.1.2 UC102-Register as herbal medicine store

Use Case ID	UC102	Use Case Name	Register as herbal medicine store
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Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	Guest				
Description	The function allows Guest to be able to register and become VMN system's herbal medicine store.				
Precondition	1. VMN must be connected to the Internet. 2. Guest browsed VMN website.				
Trigger					
Post-Condition					
Main flows					
<i>Step</i>	<i>Actor</i>	<i>Action</i>			
1	Guest	1. On <i>Register as common member Page</i> , click on <i>Register as herbal medicine store</i> hyperlink.			
2	VMN	Display <i>Register as herbal medicine store detail Page</i> by following fields: - Username - Email - Password - Confirm password - Herbal medicine store's name - Address - Phone number - Representative - Sign in - Sign up			
3	Guest	1. Enter herbal medicine store information. 2. Click on <i>Sign up</i> button.			
4	VMN	1. Save Guest's information into database. 4. Display message "You registered successfully, please wait Admin's approve". 5. Back to <i>Login Page</i> .			

4.2.2.2.1.3 UC103-Login

Use Case ID	UC103	Use Case Name	Login		
Author	Quynh HT	Version	1.0	Date	19/01/2016
Actor	VMN Member				
Description	The function allows a Member to be able to login in the software when he/she have registered an account and his/her account is still active.				
Precondition	1. VMN must be connected to the Internet				
Trigger					
Post-Condition					

Main flows		
Step	Actor	Action
1	Member	<ol style="list-style-type: none"> 1. Type VMN's url into location field of internet browser and then press enter 2. Click on <i>Sign up</i> hyperlink on Header
2	VMN	<ol style="list-style-type: none"> 1. Display <i>Homepage</i> 2. Display <i>Login Page</i> with the following fields: <ul style="list-style-type: none"> - Email or Username - Password - Remember Me - Forgot password - Sign in button - Sign up hyperlink
3	Member	Enter Email & password into Email & Password fields on <i>Login Form</i> , then click on Sign in button.
4	VMN	Validate the entered Email & password and then display Homepage

4.2.2.2.1.4 UC104-Change password

Use Case ID	UC104	Use Case Name		Change password	
Author	Dang NH	Version	1.0	Date	20/01/2016
Actor	Member				
Description	The function allows Member to be able to change their password				
Precondition	<ol style="list-style-type: none"> 1. VMN must be connected to the Internet. 2. Member browsed in VMN website. 3. Member logged in VMN website successful 				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Member	<ol style="list-style-type: none"> 1. Click on <i>Account</i> hyperlink on Header. 2. Click on <i>Change password</i> hyperlink on Personal Page. 			
2	VMN	Display <i>Change password Detail Page</i> with the following fields:			
		<ul style="list-style-type: none"> - Email - Recent password - New password - Confirm password - Save 			
3	Member	<ol style="list-style-type: none"> 1. Update password. 2. Click on <i>Save</i> button. 			
4	VMN	1. Update new password into database.			

		2. Display “You change password successful” alert. 3. Back to <i>Personal Page</i>
Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2	At step 4 in the main flows, if VMN website cannot update password into database,	
4.1	VMN	Display “Error” page with message “Cannot update password. Please contact to Admin”

4.2.2.2.1.5 UC105-Forgot password

Use Case ID		UC105	Use Case Name		Forgot password						
Author		QuynhHT	Version	1.0	Date	22/01/2016					
Actor		Member, Mod									
Description		The function allows Member and Mod to be able to get back their password									
Precondition		1. VMN must be connected to the Internet. 2. Member or Mod have account in VMN system									
Trigger											
Post-Condition											
Main flows											
Step	Actor	Action									
1	Member	1. On <i>Login Page</i> , click on <i>Forgot password</i> hyperlink									
2	VMN	1. Display <i>Forgot password Detail Page</i> with the following fields: - Register email - Send									
3	Member	1. Enter register email 2. Click on <i>Send button</i> .									
4	VMN	VMN system will send a new password to Member’s register email.									
Alternative flows											
AT1	At step 2 in the main flows, if there is an internal error in the system,										
Sub step	Actor	Action									
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"									

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4.2.2.2.1.6 UC106-Logout

Use Case ID	UC106	Use Case Name	Logout	
Author	Quynh HT	Version	1.0	Date 19/01/2016
Actor	Member			
Description	The function allows a Member to be able to logout the website when he/she have registered an account and his/her account is still active.			
Precondition	1. VMN must be connected to the Internet 2. Member browsed VMN website 3. Member logged in VMN website			
Trigger				
Post-Condition	1. Log Member out from system. 2. Redirect Member to <i>Home screen</i>			
Main flows				
Step	Actor	Action		
1	Member	Click on <i>Logout hyperlink</i> on Header		
2	VMN	Log Member out VMN system then display <i>Homepage</i>		

Alternative flows			
AT1	At step 2 in the main flows, if there is an internal error in the system,		
Sub step	Actor	Action	
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"	

4.2.2.2 Medicinal plants Functions Group**4.2.2.2.1 UC201-View medicinal plants article**

Use Case ID	UC201	Use Case Name	View medicinal plants article		
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	VMN Member, Guest				
Description	The function allows VMN Member and Guest to be able to view medicinal plants article content				
Precondition	1. VMN must be connected to the Internet 2. Member, Guest browsed VMN website				
Trigger					

Post-Condition		VMN Member and Guest can view medicinal plants article content
Main flows		
<i>Step</i>	<i>Actor</i>	<i>Action</i>
1	Member, Guest	<ol style="list-style-type: none"> 1. On Homepage, or click on <i>Medicinal plant tab</i>. 2. Click on <i>Detail link</i> of each medicinal plants article's image
2	VMN	<ol style="list-style-type: none"> 1. Display <i>Medicinal plant detail screen</i> with following fields: <ul style="list-style-type: none"> • Illustration • Report • Share • Name • Other name • Science name • Description • Characteristic • Allocation Place • Utility • Rate • Author • Remedy Recommendation • Comment

4.2.2.2.2.2 UC202-Basic Search

Use Case ID	UC202	Use Case Name		Basic Search	
Author		Quynh HT		Date	20/01/2016
Actor		Member, Guest			
Description		The function allows VMN Member and Guest to be able to search Article by name			
Precondition		<ol style="list-style-type: none"> 1. VMN must be connected to the Internet 2. Member and Guest browsed VMN website 3. Member, Mod logged in VMN website 			
Trigger					
Post-Condition					
Main flows					
<i>Step</i>	<i>Actor</i>	<i>Action</i>			
1	Member, Mod, Guest	<ol style="list-style-type: none"> 1. Click on “Medicinal plant” tab 2. Typing on Searching field 3. Click on “Search” button 			
2	VMN	Display result as a list, which has suitable keywords.			

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2	At step 2 in the main flows, if Member and Guest's keywords don't exist in database	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Your keyword that you want to search does not exist in database".

4.2.2.2.2.3 UC204-Advance search

Use Case ID	UC203	Use Case Name	Advance search		
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to search advance articles by multiple conditions.				
Precondition	1. VMN must be connected to the Internet 2. Member browsed VMN website 3. Member logged in to system				
Trigger					
Post-Condition					
Main flows					
Step	Actor	<i>Action</i>			
1	Member	Click on <i>Advance Search icon</i> at the left of <i>Searching field</i> on <i>Medicinal plants Tab</i>			
2	VMN	1. Display <i>Advance Search screen</i> with the following fields: - Medicinal plant name - Utility - Descriptions - Characteristic - Allocation place			
3	Member	1. Enter keywords to text fields. 2. Click on <i>Search button</i> or <i>Enter again button</i> if Member want to change keywords then click <i>Search button</i> again.			
4	VMN	Display result as a list, which has suitable keywords.			

4.2.2.2.4 UC204-Add new article

Use Case ID	UC204	Use Case Name	Add new article		
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	Member, Mod				
Description	The function allows Member and Mod to be able to contribute new article to VMN system				
Precondition	1. VMN must be connected to the Internet. 2. Member, Mod browsed VMN website. 3. Member, Mod logged in VMN website successful.				
Trigger					
Post-Condition	Member, Mod contribute new article successful and saved into database				
Main flows					

Step	Actor	Action
1	Member, Mod	<ol style="list-style-type: none"> 1. On home screen, or click on <i>Medicinal plant tab</i> 2. Click on <i>Contribute button</i> under banner and the right of Searching field
2	VMN	<ol style="list-style-type: none"> 1. Display <i>Contribute new article screen</i> with following fields: <ul style="list-style-type: none"> • Choose avatar • Choose illustration • Enter medicinal plant's name • Enter medicinal plant's other name • Enter medicinal plant's science name • Enter medicinal plant's description • Enter medicinal plant's characteristic • Enter medicinal plant's allocation place • Enter medicinal plant's utility • Contribute
3	Member, Mod	<ol style="list-style-type: none"> 1. Enter above information for the medicinal plant 2. Click on <i>Contribute button</i>
4	VMN	<ol style="list-style-type: none"> 1. Save new article into database 2.1 Show message: "You contributed successfully. Please wait Mod's approving" with Member account 2.2 Show message: "You contributed successfully. You can see your article on Medicinal Plants Page" with Mod account

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2	At step 4 in the main flows, if VMN cannot save new article into database	
4.1	VMN	Display "Error" page with message "Cannot save your article into database. Please contact to Admin"

4.2.2.2.2.5 UC205-Change medicinal plants article content

Use Case ID	UC205	Use Case Name		Change medicinal plants article content	
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to change their medicinal plants article content.				

Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website successful.	
Trigger		
Post-Condition		
Main flows		
<i>Step</i>	<i>Actor</i>	<i>Action</i>
1	Member	On <i>medicinal plant article detail screen</i> , click on <i>Edit button</i> .
2	VMN	Display <i>Medicinal plants article content changing screen</i> with following fields: <ul style="list-style-type: none">- Illustrations- Name- Other name- Science name- Description- Characteristic- Allocation place- Utility- Save
3	Member	1. Enter information in fields. 2. Click <i>Save button</i>
4	VMN	1. Save update information into database 2. Display alert depends on Member's type.
4.1	VMN	If Member are common Member and HMS, display "Your medicinal plants article content is updated successful. You have to wait Mod's approving" alert.
4.2	VMN	If Mod, display message: "Your medicinal plants article content is updated successful."

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Admin"
AT2	At step 4 in the main flows, if VMN website cannot save information's change from author into database	
4.1	VMN	Display "Error" page with message "Failed to change medicinal plants article content. Please contact to Admin"

4.2.2.2.2.6 UC206-Rate medicinal plants article

Use Case ID	UC206	Use Case Name	Rate medicinal plants article		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to rate an article.				
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website. 4. Member are being <i>Medicinal plants article detail screen</i> .				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Member	1. At <i>Medicinal plants article detail screen</i> , hover mouse on <i>Rate box</i> . 2. Click on <i>Rate box</i>			
2	VMN	1. Display <i>Rate box</i> as Member's rate. 2. "Your rate is send. Thanks for caring" alert is appeared.			

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2	At step 2 in the main flows, VMN website cannot receive Member's rate.	
Sub step	Actor	Action
2.2	VMN	Display "Error" page with message "Failed to rate this medicinal plants article. Please contact to Admin".

4.2.2.2.7 UC207-Comment medicinal plants article

Use Case ID	UC207	Use Case Name	Comment medicinal plants article		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to comment a medicinal plants article such as their ideas or their evaluating.				

Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website successful.	
Trigger		
Post-Condition		
Main flows		
<i>Step</i>	<i>Actor</i>	<i>Action</i>
1	Member	1. On <i>Medicinal plants article detail screen</i> , enter comment to <i>Comment text field</i> . 2. Click on <i>Post icon</i> at the end of <i>Comment text field</i> .
2	VMN	1. Save the Member's comment into database 2. Display the Member's comment and comment's time on <i>Medicinal plants article detail screen</i> .

Alternative flows		
AT1	At step 2 in the main flows, if VMN website cannot save Member's comment into database	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "You cannot comment to the medicinal plants article. Please contact to Admin".

4.2.2.2.2.8 UC208-Report medicinal plants article

Use Case ID	UC208	Use Case Name		Report medicinal plants article			
Author	Quynh HT	Version		Date	22/01/2016		
Actor	VMN Member						
Description	The function allows VMN Member to be able to report a medicinal plants article.						
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website. 4. Member are being <i>Medicinal plants article detail screen</i> .						
Trigger							
Post-Condition							
Main flows							
<i>Step</i>	<i>Actor</i>	<i>Action</i>					
1	Member	1. Click on <i>Report button</i> at the left of Medicinal plants article' title.					
2	VMN	Display <i>Complain box</i> by following fields: 1. Reason why report this medicinal plants article.					

		2. Send
3	Member	1. Enter complain to <i>Complain box</i> . 2. Click on <i>Send button</i> .
4	VMN	Display “Are you sure to report this medicinal plants article to Mod” alert.
4.1	Member	Click on <i>OK button</i> to confirm.
4.2	Member	Click on <i>Cancel button</i>
5.1	VMN	1. Send report to Mod 2. Back to <i>Medicinal plants article detail screen</i> .
5.2	VMN	Close “Are you sure to report this medicinal plants article to Mod” alert.

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2	At step 2 in the main flows, VMN website cannot send Member's report to Mod,	
Sub step	Actor	Action
2.2	VMN	Display "Error" page with message "Failed to report this medicinal plants article. Please contract to Admin".

4.2.2.2.2.9 UC209-Share

Use Case ID	UC209	Use Case Name		Share	
Author	Quynh HT	Version	1.2	Date	20/01/2016
Actor	Guest, Member, Mod				
Description	The function allows Member and Mod to be able to share Medicinal Plants article on Facebook				
Precondition	1. VMN must be connected to the Internet. 2. Guest, Member, Mod browsed VMN website. 3. Guest, Member, Mod login Facebook successful				
Trigger					
Post-Condition	Member and Mod share Medicinal Plants Article on Facebook successful				
Main flows					
Step	Actor	Action			
1	Member, Mod	1. Click on <i>Medicinal Plants tab</i> . 2. Click on “Detail” link of each Medicinal Plants Article’s image.			

		3. Click on “Share” button
2	VMN	1. <i>Medicinal Plants Article</i> Page is displayed 2. Display <i>Medicinal Plants Article Detail</i> Page is displayed 3. Facebook will share the Medicinal Plants Article.

Alternative flows		
AT1	At step 1 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
1.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"

4.2.2.2.10 UC210-Like

Use Case ID	UC210	Use Case Name	Like		
Author	Quynh HT	Version	1.2	Date	20/01/2016
Actor	Guest, Member, Mod				
Description	The function allows Guest, Member and Mod to be able to like medicinal article through Facebook				
Precondition	1. VMN must be connected to the Internet. 2. Guest, Member, Mod browsed VMN website.				
Trigger					
Post-Condition	Guest, Member and Mod like medicinal article through Facebook successful				
Main flows					
Step	Actor	Action			
1	Guest, Member, Mod	1. Click on <i>Medicinal Plants tab</i> . 2. Click on “Detail” link of each medicinal plants article’s image. 3. Click on “Like” button			
2	VMN	1. <i>Medicinal Plants</i> Page is displayed 2. Display <i>Medicinal Plants Article Detail</i> Page is displayed 3. Like successful. Guest, Member, Mod can check on Facebook			

Alternative flows		
AT1	At step 1 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
1.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"

4.2.2.2.11 UC211-Approve new article

Use Case ID	UC211	Use Case Name	Approve new article		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Mod				
Description	The function allows VMN Mod to be able to approve new medicinal plant article, which was posted by common Member or HMS.				
Precondition	1. VMN must be connected to the Internet. 2. Mod browsed VMN website. 3. Mod logged in VMN website.				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Mod	1. Click on <i>Member icon</i> on VMN website header 2. Click on <i>Manage medicinal plant article</i> link.			
2	VMN	1. Display <i>Manage medicinal plant article</i> screen include following fields: - Medicinal plants name - Author - Create time - Detail			
3	Mod	Click on <i>Detail button</i>			
4	VMN	Display <i>New medicinal plants article detail screen</i> includes following fields: - Medicinal plant picture - Name - Other name - Science name - Description - Characteristic - Allocation place - Utility - Author - Approve - Ignore			
5	Mod	1. Click on <i>Approve button</i> if satisfied 2. If the new medicinal plant article has problem, instead of <i>Approve button</i> , click on <i>Ignore button</i> .			

6.1	VMN	1. Save the new medicinal plant article to database and display on VMN website. 2. Back to <i>New medicinal plants article detail screen</i> .
6.2	VMN	Display <i>Complain box</i> alert include following fields: 1. Reason that why ignore this medicinal plant article. 2. Send
7	Mod	Enter complain to <i>Complain box</i> then click <i>Send button</i> .
8	VMN	1. Display “Are you sure to send complain to the new medicinal plants article’s author” alert.
9.1	Mod	Click on <i>OK button</i> to confirm.
9.2	Mod	Click on <i>Cancel button</i> .
10.1	VMN	1. Send Mod’s complain to the new medicinal plants article’s author. 2. Back to <i>New medicinal plants article detail screen</i> .
10.2	VMN	1. Close “Are you sure to send complain to the new medicinal plants article’s author” alert.

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact to Administrator".
AT2	At step 6 in the main flows, VMN website cannot save the new medicinal plant article to database.	
Sub step	Actor	Action
6.1	VMN	Display "Error" page with message "Failed to approve the new medicinal plants article. Please contact to Admin".

4.2.2.2.12 UC212-Approve medicinal plant article content's change

Use Case ID	UC212	Use Case Name	Approve medicinal plant article content's change		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Mod				

Description		The function allows VMN Mod to be able to approve medicinal plant article content's change.
Precondition		1. VMN must be connected to the Internet. 2. Mod browsed VMN website. 3. Mod logged in VMN website.
Trigger		
Post-Condition		
Main flows		
<i>Step</i>	<i>Actor</i>	<i>Action</i>
1	Mod	On <i>Manage medicinal plants article screen</i> , click on <i>Medicinal plants article content's change tab</i> .
2	VMN	Display <i>Manage medicinal plant article content's change screen</i> include following fields: - Medicinal plants name - Author - Create time - Detail
3	Mod	Click on <i>Detail button</i>
4	VMN	Display <i>Medicinal plants article content's change detail screen</i> include following fields: - Medicinal plant picture - Name - Other name - Science name - Description - Characteristic - Allocation place - Utility - Author - Approve - Ignore
5	Mod	1. Click on <i>Approve button</i> if satisfied 2. If the new medicinal plant article has problem, instead of <i>Approve button</i> , click on <i>Ignore button</i> .
6.1	VMN	1. Save medicinal plant article content's change to database and display on VMN website. 2. Back to <i>Medicinal plants article content's change detail screen</i> .
6.2	VMN	Display <i>Complain box</i> alert include following fields: 1. Reason that why ignore this medicinal plant article. 2. Send
7	Mod	Enter complain to <i>Complain box</i> then click <i>Send button</i> .
8	VMN	Display “Are you sure to send complain to author” alert.

9.1	Mod	Click on <i>OK button</i> to confirm.
9.2	Mod	Click on <i>Cancel button</i> .
10.1	VMN	<ol style="list-style-type: none"> 1. Send Mod's complain to author. 2. Back to <i>Medicinal plants article content's change detail screen</i>.
10.2	VMN	<ol style="list-style-type: none"> 2. Close "Are you sure to send complain to author" alert.

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact to Administrator".
AT2	At step 6 in the main flows, VMN website cannot save the new medicinal plant article to database.	
Sub step	Actor	Action
6.1	VMN	Display "Error" page with message "Failed to approve the new medicinal plants article. Please contact to Admin".

4.2.2.2.2.13 UC214-Remind reported medicinal plants arcle

Use Case ID	UC214	Use Case Name		Remind reported medicinal plants article	
Author	Quynh HT	Version	1.0	Date	25/01/2016
Actor	VMN Mod				
Description	The function allows VMN Mod to be able to delete medicinal plants articles which was reported by other Member.				
Precondition	<ol style="list-style-type: none"> 1. VMN must be connected to the Internet. 2. Mod browsed VMN website. 3. Mod logged in VMN website. 				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Mod	<ol style="list-style-type: none"> 1. On <i>Medicinal plants article Management Page</i>, Click on <i>Reported medicinal plants article tab</i>. 			

2	VMN	<ol style="list-style-type: none"> Display <i>Reported medicinal plants article tab</i> with following fields: <ul style="list-style-type: none"> - Medicinal plants article's title - Author - Create time - Reporter - Report time - Detail
3	Mod	Click on <i>Detail button</i>
4	VMN	<p>Display <i>Reported medicinal plants article detail</i> Page includes following fields:</p> <ul style="list-style-type: none"> - Medicinal plant picture - Name - Other name - Science name - Description - Characteristic - Allocation place - Utility - Author - Report content - Delete - Ignore
5	Mod	<ol style="list-style-type: none"> Click on <i>Delete button</i>. Click on <i>Ignore button</i>.
6.1	VMN	<ol style="list-style-type: none"> Display “Are you sure to delete this medicinal plants article?” alert
6.2	VMN	<p>Display <i>Complain box</i> with following fields:</p> <ol style="list-style-type: none"> Reason why ignore this remedy article content’s change. Send
7.1	Mod	<ol style="list-style-type: none"> Click on <i>Ok button</i> to confirm.
8.1	VMN	<ol style="list-style-type: none"> Delete the medicinal plants article in database. Send report content to author as Mod’s message.
9.1	Mod	Click on <i>OK button</i> to confirm.
9.2	Mod	Click on <i>Cancel button</i>
10.1	VMN	<ol style="list-style-type: none"> Send Mod’s complain to author. Back to <i>Remedy article content’s change detail screen</i>.
10.2	VMN	<ol style="list-style-type: none"> Close “Are you sure to send complain to author” alert.

Alternative flows

AT1	At step 2 in the main flows, if there is an internal error in the system,
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Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact to Administrator".
AT2		At step 6 in the main flows, VMN website cannot save the new remedy article to database.
Sub step	Actor	Action
6.1	VMN	Display "Error" page with message "Failed to remind the reported medicinal plants article. Please contact to Admin".

4.2.2.3 Remedy Functions Group

4.2.2.3.1.1 UC301-View remedy article

Use Case ID	UC301	Use Case Name		View remedy article	
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	VMN Member, Guest				
Description	The function allows VMN Member and Guest to be able to view remedy article content				
Precondition	1. VMN must be connected to the Internet. 2. Member, Guest browsed VMN website.				
Trigger					
Post-Condition	VMN Member and Guest can view remedy article content				
Main flows					
Step	Actor	<i>Action</i>			
1	Member, Guest	1. Click on <i>Remedy tab</i> . 2. Click on “Detail” link of each remedy article’s image.			
2	VMN	1. Display <i>Remedy detail screen</i> with following fields: <ul style="list-style-type: none"> • Remedy picture • Report • Title • Ingredients • Description • Usage • Utility • Note • Rate • Author • HMS recommendation • Comment 			

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Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"

4.2.2.3.1.2 UC302-Basic Search

Use Case ID	UC302	Use Case Name		Basic Search	
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	Guest, Member, Mod				
Description	The function allows Guest, Member and Mod to be able to search an article by title				
Precondition	1. VMN must be connected to the Internet 2. Guest, Member and Mod browsed VMN website 3. Member and Mod logged in VMN website				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Member, Guest	1. On <i>Remedy tab</i> , click on <i>Searching field</i> . 2. Enter keywords on <i>Searching field</i> . 3. Click on <i>Search button</i> on the right of <i>Searching field</i> .			
2	VMN	Display result as a list which has suitable keywords.			

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2	At step 2 in the main flows, if VMN system cannot find keywords in database	

Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Your keywords that you want to search does not exist in database".

4.2.2.3.1.3 UC303-Advance Search

Use Case ID	UC303	Use Case Name	Advance search		
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	Member, Mod				
Description	The function allows Member and Mod to be able to search advance articles by multiple conditions.				
Precondition	1. VMN must be connected to the Internet. 2. Member and Mod browsed VMN website. 3. Member and Mod logged in to VMN system				
Trigger					
Post-Condition					
Main flows					
Step	Actor	<i>Action</i>			
1	Member, Mod	Click on <i>Advance Search button</i> on <i>Remedy tab</i>			
2	VMN	Display <i>Advance Search Form</i> with the following fields: - Utility - Ingredients - Search			
3	Member, Mod	1. Enter keywords to text fields. 2. Click on <i>Search button</i> .			
4.2	VMN	Display result as a list which has suitable keywords.			

Alternative flows			
AT1	At step 2 in the main flows, if there is an internal error in the system,		
Sub step	Actor	Action	
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"	
AT2	At step 2 in the main flows, if VMN system cannot find keywords in database		
Sub step	Actor	Action	

4.2	VMN	Display "Error" page with message "Your keywords that you want to search does not exist in database".
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4.2.2.3.1.4 UC304-Add new article

Use Case ID	UC304	Use Case Name	Add new article		
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	Member, Mod				
Description	The function allows Member and Mod to be able to contribute new article to VMN system				
Precondition	1. VMN must be connected to the Internet. 2. Member, Mod browsed VMN website. 3. Member, Mod logged in VMN website successful.				
Trigger					
Post-Condition	Member, Mod contribute new article successful and saved into database				
Main flows					
Step	Actor	Action			
1	Member, Mod	1. Click on <i>Contribute button</i> on <i>Remedy tab</i>			
2	VMN	1. Display <i>Add new article</i> Page with following fields: • Choose illustration • Title • Ingredients • Description • Usage • Utility • Note • Contribute			
3	Member, Mod	1. Enter above information in <i>Add new article</i> Form 2. Click on <i>Contribute button</i>			
4	VMN	1. Save new article into database 2.1 Show message: "You contributed successfully. Please wait Mod's approving" with Member account 2.2 Show message: "You contributed successfully. You can see your article on Remedy Page"			

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action

2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2		At step 4 in the main flows, if VMN cannot save new article into database
4.1	VMN	Display “Error” page with message “Cannot save your article into database. Please contact to Admin”

4.2.2.3.1.5 UC305-Change remedy article content

Use Case ID	UC305	Use Case Name	Change remedy article content		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to change their remedy article content.				
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website successful.				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Member	On Remedy article detail screen, click on <i>Edit button</i> .			
2	VMN	Display <i>Remedy article content changing screen</i> with following fields: - Remedy article's picture - Title - Ingredients - Description - Usage - Utility - Note - Save			
3	Member	1. Enter information in fields. 2. Click <i>Save button</i>			
4	VMN	1. Save update information into database. 2. Display alert depends on Member's type.			
4.1	VMN	If Member are common Member and HMS, display “Your remedy article content is updated successful. You have to wait Mod’s approving” alert.			
4.2	VMN	If Member is Mod, display “Your remedy article content is updated successful.”			

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Admin"
AT2	At step 4 in the main flows, if VMN website cannot save information's change from author into database	
4.1	VMN	Display "Error" page with message "Failed to change remedy article content. Please contact to Admin"

4.2.2.3.1.6 UC306-Rate remedy article

Use Case ID	UC306	Use Case Name		Rate remedy article	
Author	QuynhHT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to rate an article.				
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website. 4. Member are being <i>Remedy detail screen</i> .				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Member	1. At <i>Remedy detail screen</i> , hover mouse on <i>Rate box</i> . 2. Click on <i>Rate box</i>			
2	VMN	1. Display <i>Rate box</i> as Member's rate. 2. "Your rate is send. Thanks for caring" alert is appeared.			

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact to Administrator"

4.2.2.3.1.7 UC307-Comment remedy article

Use Case ID	UC307	Use Case Name	Comment remedy article		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to comment a remedy article such as their ideas or their evaluating.				
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website successful.				
Trigger					
Post-Condition					
Main flows					
Step	Actor	Action			
1	Member	On <i>Remedy article detail screen</i> , enter comment to <i>Comment text field</i> . Click on <i>Post icon</i> at the end of <i>Comment text field</i> .			
2	VMN	1. Save the Member's comment into database 2. Display the Member's comment and comment's time on <i>Remedy article detail screen</i> .			

Alternative flows		
AT1	At step 2 in the main flows, if VMN website cannot save Member's comment into database	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "You cannot comment to the remedy article. Please contact to Admin".

4.2.2.3.1.8 UC308-Report remedy article

Use Case ID	UC308	Use Case Name	Report remedy article		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows VMN Member to be able to report a remedy article.				
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN website. 4. Member are being <i>Remedy article detail screen</i> .				
Trigger					

Post-Condition		
Main flows		
Step	Actor	Action
1	Member	Click on <i>Report button</i> at the left of Remedy article' title.
2	VMN	Display <i>Complain box</i> with following fields: 1. Reason why report this remedy article. 2. Send
3	Member	1. Enter complain to <i>Complain box</i> . 2. Click on <i>Send button</i> .
4	VMN	Display "Are you sure to report this remedy article to Mod" alert.
4.1	Member	Click on <i>OK button</i> to confirm.
4.2	Member	Click on <i>Cancel button</i>
5.1	VMN	1. Send report to Mod 2. Back to <i>Remedy article detail screen</i> .
5.2	VMN	Close "Are you sure to report this remedy article to Mod" alert.

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"
AT2	At step 2 in the main flows, VMN website cannot send Member's report to Mod,	
Sub step	Actor	Action
2.2	VMN	Display "Error" page with message "Failed to report this remedy article. Please contract to Admin".

4.2.2.3.1.9 UC309-Share

Use Case ID	UC309	Use Case Name		Share	
Author	Quynh HT	Version	1.2	Date	20/01/2016
Actor	VMN Member, Mod				
Description	The function allows Member and Mod to be able to share remedy article on Facebook				
Precondition	1. VMN must be connected to the Internet. 2. Member, Mod browsed VMN website.				

		3. Member, Mod log into VMN website successful
Trigger		
Post-Condition	Member and Mod share a remedy article on Facebook successful	
Main flows		
Step	Actor	Action
1	Member, Mod	1. Click on <i>Remedy tab</i> . 2. Click on “Detail” link of each remedy article’s image. 3. Click on “Share” button
2	VMN	1. <i>Remedy tab</i> is displayed 2. Display <i>Remedy Article Detail Page</i> is displayed 3. Facebook will share the Remedy Article.

4.2.2.3.1.10 UC313-Like

Use Case ID	UC313	Use Case Name	Like		
Author	Quynh HT	Version	1.2	Date	20/01/2016
Actor	Guest, Member, Mod				
Description	The function allows Guest, Member and Mod to be able to like medicinal article through Facebook				
Precondition	1. VMN must be connected to the Internet. 2. Guest, Member, Mod browsed VMN website. 3. Guest, Member, Mod login Facebook successful				
Trigger					
Post-Condition	Guest, Member and Mod like Remedy Article through Facebook successful				
Main flows					
Step	Actor	Action			
1	Guest, Member, Mod	1. Click on <i>Remedy tab</i> . 2. Click on “Detail” link of each Remedy Article’s image. 3. Click on “Like” button			
2	VMN	1. <i>Remedy Page</i> is displayed 2. Display <i>Remedy Article Detail Page</i> is displayed 3. Like successful. Guest, Member, Mod can check on Facebook			

Alternative flows		
AT1	At step 1 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
1.1	VMN	Display "Error" page with message "Internal System Error, please contact with

		Administrator"
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4.2.2.3.1.11 UC310-Approve new remedy article

Use Case ID	UC310	Use Case Name	Approve new remedy article	
Author	Quynh HT	Version	1.0	Date 22/01/2016
Actor	VMN Mod			
Description	The function allows VMN Mod to be able to approve new remedy article which was posted by common Member or HMS.			
Precondition	1. VMN must be connected to the Internet. 2. Mod browsed VMN website. 3. Mod logged in VMN website.			
Trigger				
Post-Condition				
Main flows				
Step	Actor	<i>Action</i>		
1	Mod	1. Click on <i>Member icon</i> on VMN website header 2. Click on <i>Manage remedy article</i> link.		
2	VMN	1. Display <i>Manage remedy article</i> screen include following fields: - Remedy article's title - Author - Create time - Detail		
3	Mod	Click on <i>Detail button</i>		
4	VMN	Display <i>New remedy article detail screen</i> include following fields: - Remedy article's picture - Title - Ingredients - Description - Usage - Utility - Note - Author - Approve - Ignore		
5	Mod	1. Click on <i>Approve button</i> if satisfied 2. If the new remedy article has problem, instead of <i>Approve button</i> , click on <i>Ignore button</i> .		
6.1	VMN	1. Save the new remedy article to database and display on VMN website. 2. Back to <i>New remedy article detail screen</i> .		

6.2	VMN	Display <i>Complain box</i> alert include following fields: 1. Reason that why ignore this remedy article. 2. Send
7	Mod	Enter complain to <i>Complain box</i> then click <i>Send button</i> .
8	VMN	1. Display “Are you sure to send complain to the new remedy article’s author” alert.
9.1	Mod	Click on <i>OK button</i> to confirm.
9.2	Mod	Click on <i>Cancel button</i>
10.1	VMN	1. Send Mod’s complain to the new remedy article’s author. 2. Back to <i>New remedy article detail screen</i> .
10.2	VMN	1. Close “Are you sure to send complain to the new remedy article’s author” alert.

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact to Administrator".
AT2	At step 6 in the main flows, VMN website cannot save the new remedy article to database.	
Sub step	Actor	Action
6.1	VMN	Display "Error" page with message "Failed to approve the new remedy article. Please contact to Admin".

4.2.2.3.1.12 UC314-Remind reported remedy article

Use Case ID	UC314	Use Case Name	Remind reported remedy article		
Author	Quynh HT	Version	1.0	Date	25/01/2016
Actor	VMN Mod				
Description	The function allows VMN Mod to be able to delete medicinal plants articles which was reported by other Member.				
Precondition	1. VMN must be connected to the Internet.				

		2. Mod browsed VMN website. 3. Mod logged in VMN website.
Trigger		
Post-Condition		
Main flows		
Step	Actor	Action
1	Mod	1. On <i>Remedy Article Management</i> Page, Click on <i>Reported medicinal plants article</i> hyperlink.
2	VMN	1. Display <i>Reported medicinal plants article</i> tab with following fields: - Medicinal plants article's title - Author - Create time - Reporter - Report time - Detail
3	Mod	Click on <i>Detail button</i>
4	VMN	Display <i>Reported medicinal plants article detail screen</i> includes following fields: - Medicinal plant picture - Name - Other name - Science name - Description - Characteristic - Allocation place - Utility - Author - Report content - Delete - Ignore
5	Mod	1. Click on <i>Delete button</i> . 2. Click on <i>Ignore button</i> .
6.1	VMN	1. Display “Are you sure to delete this medicinal plants article?” alert
6.2	VMN	Display <i>Complain box</i> with following fields: 1. Reason why ignore this remedy article content's change. 2. Send
7.1	Mod	1. Click on <i>Ok button</i> to confirm.
8.1	VMN	1. Delete the medicinal plants article in database. 2. Send report content to author as Mod's message.
9.1	Mod	Click on <i>OK button</i> to confirm.
9.2	Mod	Click on <i>Cancel button</i>

10.1	VMN	1. Send Mod's complain to author. 2. Back to <i>Remedy article content's change detail screen</i> .
10.2	VMN	1. Close "Are you sure to send complain to author" alert.

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact to Administrator".
AT2	At step 6 in the main flows, VMN website cannot save the new remedy article to database.	
Sub step	Actor	Action
6.1	VMN	Display "Error" page with message "Failed to remind the reported remedy article. Please contact to Admin".

4.2.2.4 Herbal medicine store functions group

4.2.2.4.1.1 UC502- View herbal medicine store

Use Case ID	UC502	Use Case Name	View herbal medicine store		
Author	Quynh HT	Version	1.0	Date	22/01/2016
Actor	VMN Member				
Description	The function allows Member to be able to view detail of herbal medicine store.				
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN system successful				
Trigger					
Post-Condition					
Main flows					
Step	Actor	<i>Action</i>			
1	Member	Click on <i>HMS tab</i> .			
2	VMN	Display <i>HMS screen</i> with following fields: - <i>HMS searching box</i> - List of <i>HMS</i> - <i>Detail</i>			
3	Member	Click on <i>Detail button</i> .			

4	VMN	Display <i>HMS detail</i> Page with following fields: <ul style="list-style-type: none"> - Account - Email - Herbal medicine store's name - Address - Mobile number - Representative - Register date
Alternative flows		
AT1		At step 2 in the main flows, if there is an internal error in the system,
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Admin"

4.2.2.4.1.2 UC402- Search HMS

Use Case ID	UC402	Use Case Name	Search HMS					
Author	Quynh HT	Version	1.0	Date	22/01/2016			
Actor	VMN Member							
Description	The function allows Member to be able to search herbal medicine store.							
Precondition	1. VMN must be connected to the Internet. 2. Member browsed VMN website. 3. Member logged in VMN system successful							
Trigger								
Post-Condition								
Main flows								
Step	Actor	Action						
1	Member	Click on <i>HMS tab</i> .						
2	VMN	1. Display <i>HMS screen</i> and <i>HMS search box</i> with following fields: <ul style="list-style-type: none"> - HMS name - HMS address - Search - Re-enter 						
3	Member	1. Enter HMS information. 2. Click <i>Search button</i>						
4	VMN	List result with suitable information.						
Alternative flows								
AT1	At step 2 in the main flows, if there is an internal error in the system,							

Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Admin"
AT2		At step 3 in the main flows, VMN website cannot search Member's keyword in database,
3.1	VMN	Display "Error" page with message "Cannot search herbal medicine store, please contact to Admin"

4.2.2.4.1.3 UC403- Add to Remedy list

Use Case ID	UC403	Use Case Name		Add to Remedy list	
Author	Quynh HT	Version	1.2	Date	20/01/2016
Actor	Guest, Member, Mod				
Description	The function allows Guest, Member and Mod to be able to like medicinal article through Facebook				
Precondition	1. VMN must be connected to the Internet. 2. Guest, Member, Mod browsed VMN website. 3. Guest, Member, Mod login Facebook successful				
Trigger					
Post-Condition	Guest, Member and Mod like Remedy Article through Facebook successful				
Main flows					
Step	Actor	Action			
1	Guest, Member, Mod	1. Click on <i>Remedy tab</i> . 2. Click on "Detail" link of each Remedy Article's image. 3. Click on "Like" button			
2	VMN	1. <i>Remedy Page</i> is displayed 2. Display <i>Remedy Article Detail Page</i> is displayed 3. Like successful. Guest, Member, Mod can check on Facebook			

4.2.2.4.1.4 UC404- Remove from Remedy

Use Case ID	UC404	Use Case Name		Remove from Remedy list	
Author	Quynh HT	Version	1.2	Date	20/01/2016
Actor	HMS				
Description	The function allows HMS to be able to remove Remedy Article from HMS Remedy list				
Precondition	1. VMN must be connected to the Internet. 2. HMS browsed VMN website.				

		3. HMS login VMN successful
Trigger		
Post-Condition	HMS remove the Remedy Article from HMS Remedy list successful	
Main flows		
<i>Step</i>	<i>Actor</i>	<i>Action</i>
1	Guest, Member, Mod	<ol style="list-style-type: none"> 1. Click on HMS's account hyperlink 2. Click on "Remedy list" hyperlink. 3. Click on "Remove" button of any the remedy article
2	VMN	<ol style="list-style-type: none"> 1. <i>HMS Personal Page</i> is displayed 2. <i>Remedy list Page</i> is displayed 3. The remedy article is removed from <i>Remedy list</i>

4.2.2.4.2 Member functions group

4.2.2.4.2.1 UC501- Update profile

Use Case ID	UC501	Use Case Name	Update profile					
Author	Dang NH	Version	1.0	Date	20/01/2016			
Actor	Member							
Description	The function allows a user to be able to login in the software when he/she have registered an account and his/her account is still active.							
Precondition	<ol style="list-style-type: none"> 1. VMN is connected to Internet 2. Member browsed VMN website 3. Member logged in to VMN website successful 							
Trigger								
Post-Condition								
Main flows								
<i>Step</i>	<i>Actor</i>	<i>Action</i>						
1	Member	<ol style="list-style-type: none"> 1. Click on <i>Member icon</i> at VMN website's header 1. Click on <i>Member profile</i> link 						
2	VMN	Display <i>Member profile screen</i> with the following fields:						
		<ul style="list-style-type: none"> - Avatar - 						
3	Member	<ol style="list-style-type: none"> 1. Enter information change 2. Click on <i>Save button</i> 						
4	VMN	<ol style="list-style-type: none"> 1. Save Member information change into database. 2. Go back to <i>Member profile screen</i>. 3. Display Member's update information. 						
Alternative flows								
AT1	At step 2 in the main flows, if there is an internal error in the system,							

Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Admin"
AT2		At step 4 in the main flow, if VMN website cannot save Member information change into database,
4.1	VMN	Display "Error" page with message "Cannot update your information, please contact with Admin"

4.2.2.4.2.2 UC502- View Member's Profile

Use Case ID	UC502	Use Case Name	View Member's Profile						
Author	Dang NH	Version	1.0	Date	20/01/2016				
Actor	Admin								
Description	The function allows Administrator to be able to view Member list in the software.								
Precondition	1. VMN must be connected to the Internet 2. Admin logged in VMN system successful								
Trigger									
Post-Condition									
Main flows									
Step	Actor	<i>Action</i>							
1	Admin	1. Type URL into location field of internet browser and then press enter 2. Click on login button 3. Enter right email and password to login Admin website. 4. On Admin website, click on "manage user" tap to show user detail table							
2	VMN	Display "View Member List" screen with the following fields: - Search user account and email - Search - Account - Email - User name - Member's role - Detail - Pagination							
Alternative flows									
AT1	At step 2 in the main flows, if there is an internal error in the system,								
Sub	Actor	<i>Action</i>							

step		
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"

4.2.2.4.2.3 UC503- View Member list

Use Case ID	UC503	Use Case Name	View Member list					
Author	Dang NH	Version	1.0	Date	20/01/2016			
Actor	Admin							
Description	The function allows a Administrator to be able to view Member list in the software.							
Precondition	1. VMN must be connected to the Internet 2. Admin logged in VMN system successful							
Trigger								
Post-Condition								
Main flows								
Step	Actor	Action						
1	Admin	1. Type URL into location field of internet browser and then press enter 2. Click on login button 3. Enter right email and password to login Admin website. 4. On Admin website, click on “manage user” tap to show user detail table						
2	VMN	Display “View Member List” screen with the following fields: - Search user account and email - Search - Account - Email - User name - Member’s role - Detail - Pagination						
Alternative flows								
AT1	At step 2 in the main flows, if there is an internal error in the system,							
Sub step	Actor	Action						
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"						

4.2.2.4.2.4 UC504- Inactive/active account

Use Case ID	UC504	Use Case Name	Inactive/active account		
Author	DangNH	Version	1.0	Date	20/01/2016
Actor	Admin				
Description	The function allows a Administrator to be able to active and inactive Member's account in the software.				
Precondition	1. VMN is connected to Internet 2. Admin login to VMN website successful				
Trigger					
Post-Condition					
Main flows					
Step	Actor	<i>Action</i>			
1	Admin	On Admin's screen, click on "Manage User" tab.			
2	VMN	Display "Manage User" screen: - "Search user account and email" text field - "Detail information of Member" table: <ul style="list-style-type: none">• Account• Email• Member's name• Member's role• Action• "Detail" button - Paging			
3	Admin	Click on "Detail" button of "Detail information of Member" table			
4	VMN	Display "Detail user" Modal screen: <ul style="list-style-type: none">- Account- Email- Member's name- "Member's role" dropdown list- Date register- Save button- Ban button- Send message button			
5	Admin	Click on "ban" button			
6	VMN	Update to database then "Do you want to send a notice message to the Member" Modal appears.			
7	Admin	Click on "Ok" or "No"			
8	VMN	Send a notice message to the Member who has been banned or active account.			

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"

4.2.2.4.2.5 UC505- Approve HMS account

Use Case ID	UC505	Use Case Name	Approve HMS account		
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	Admin				
Description	The function allows VMN Mod to be able to approve new HMS account				
Precondition	1. VMN must be connected to the Internet 2. Admin login VMN website successful				
Trigger					
Post-Condition	Admin approve New HMS account successful				
Main flows					
Step	Actor	Action			
1	Admin	1. Enter Admin Page			
2	VMN	1. Display Login Page by following field: - Account - Password - Sign in			
3	Admin	2. Login to VMN system by Admin account, then click on "Sign in" button 3. Click on "HMS Pending" hyperlink			
4	VMN	1. Admin Page is displayed by following field - Dashboard - User management - HMS Pending - Searching field - Account - Email - Register date - Action - Detail button 2. HMS Profile is displayed by following field: - Account - Email - Address			

		<ul style="list-style-type: none"> - Mobile number - Representative - Accept button - Deny button
5	Admin	<ol style="list-style-type: none"> 1. Click on “Accept” button 2. Click on “Deny” button
6	VMN	<ol style="list-style-type: none"> 1.1 Save new HMS account in database as HMS role, then back to “HMS Pending” Page 1.2 Alert a message: “HMS account is accepted” 2.1 New HMS account is denied to become HMS account in VMN system, then back to “HMS Pending” Page 2.2 Alert a message: “HMS account is denied”

Alternative flows		
AT1	At step 2 in the main flows, if there is an internal error in the system,	
Sub step	Actor	Action
2.1	VMN	Display "Error" page with message "Internal System Error, please contact with Administrator"

4.2.2.4.3 Mod Functions Group

4.2.2.4.3.1 UC601-Create mod account

Use Case ID	UC601	Use Case Name	Create mod account		
Author	Quynh HT	Version	1.0	Date	20/01/2016
Actor	Admin				
Description	The function allows VMN Mod to be able to create mod account				
Precondition	<ol style="list-style-type: none"> 1. VMN must be connected to the Internet 2. Admin login VMN website successful 				
Trigger					
Post-Condition	Admin create mod account successful				
Main flows					
Step	Actor	<i>Action</i>			
1	Admin	<ol style="list-style-type: none"> 1. Enter Admin Page 			
2	VMN	<ol style="list-style-type: none"> 1. Display Login Page by following field: <ul style="list-style-type: none"> - Account - Password - Sign in 			
3	Admin	<ol style="list-style-type: none"> 1. Login to VMN system by Admin account, then click on “Sign in” 			

		button 2. On admin website, click on “manage user” tap 3. Click on “Create mod account” button.
4	VMN	1. “Create mod account” modal is displayed by following field - Email - Account - Password - Retype password
5	Admin	1. Click on Save button
6	VMN	1.1 Save new mod account in database 1.2 Alert a message: “Register successful”

4.2.2.4.3.2 UC602-Authorization

Use Case ID	UC602	Use Case Name	Authorization	
Author	Quynh HT	Version	1.0	Date 19/01/2016
Actor	VMN Member			
Description	The function allows a Member to be able to logout the website when he/she have registered an account and his/her account is still active.			
Precondition				
Trigger				
Post-Condition	1. VMN is connected to Internet 2. Admin login to VMN website successful			
Main flows				
Step	Actor	Action		
1	Admin	On Admin’s screen, click on “Manage Member” tab.		
2	VMN	Display “Manage Member” screen: - “Search Member account and email” text field - “Detail information of Member” table: • Account • Email • Member’s name • Member’s role • Action - Paging		
3	Admin	Click on “Detail” button of “Detail information of Member” table		
4	VMN	Display “Detail Member” Modal screen: - Account - Email - Member’s name - “Member’s role” dropdown list		

		<ul style="list-style-type: none"> - Date register - Save button - Send message button
5	Admin	<ol style="list-style-type: none"> 1. Click on dropdown list to change Member's role: <ul style="list-style-type: none"> • Member to Mod • Mod to Member. 2. Click on save button
6	VMN	Update to database then "Do you want to send a notice message to the Member" Modal appears.
7	Admin	Click on "Ok" or "No"
8	VMN	Send a notice message to the Member who has been changed Member's role or not.

4.2.3 Non-Functional Specification

4.2.3.1 Reliability

- Mean time between failures: The mean time between each failure is expected to be about 480 hours of using.
- The database must be backed up daily and can be recovered if necessary.

4.2.3.2 Performance Requirements

4.2.3.2.1 Availability

VMN website must be available 95% of time. Users can access to it everywhere from Web browser with internet connection.

4.2.3.2.2 Response time

In term of response time, waiting time of processing will be 2 to 3 seconds.

4.2.3.2.3 Maintainability

- Coding standards and naming conventions:
 - Output of the project must include coding standards and naming conventions documentations. Implementation code must be easy to maintain.
 - If some components are reused, the documentations of those components must also be included.
 - Identifiers should be match with business
- Design:
 - The design of the system must be loosely coupled that changes on some module will not affect others.
 - Follow SOLID design and project business
- Mean time to repair: Immediately when Administrator finds out problem. Average 3 days.

4.2.3.2.4 Usability

- User can complete each function in less than 6 actions.
- Output of the project must include coding standards and naming conventions documentations. Implementation code must be easy to maintain.

4.2.3.2.5 Security Requirements

In order to avoid unwanted access by strangers, the security implemented in various ways:

- VMN website divide 2 group of user: inner user (Admin, Mod) and outer user (common Member, herbal medicine store). Then we authorize for each group by different from role, functions.
- Outer user (common Member, herbal medicine store) want to impact to VMN website (, report, comment, view herbal medicine store...), they have to register and become VMN's Member and with sensitive functions which impact deep to VMN website's database such as: create new medicinal plants, remedy article, change content of their article, Member have to wait Mod's approving.

4.2.3.2.6 Hardware/Software Requirements

- Software Requirement: Web browser (Chrome 40.0, Firefox 30.0) with internet connection

5 SOFTWARE DESIGN

5.1 Introduction

5.1.1 Purpose

This chapter provides a guideline for the development team of what the system's architect, how to implement functions.

This section of document is the software design of the project in order to develop the software, it includes four main parts:

- Architecture Design.
- Detail Design.
- Database design.
- Screen design.

5.1.2 Definitions, Acronyms, Abbreviations

Acronym	Definition	Note
VMN	Vietnamese Medicinal Plants Network	
MVC	Model view control	
IDE	Integrated development environment	
Q&A	Question and answer	
GUI	Graphic user interface	
Guest	A person who does not have account	
Member	Who has account and can contribute information to system	Include Common member and Mod
Mod	Content manager.	
Admin	System manager	

Table 4-1: Definitions and Acronyms

5.2 Architecture design

5.2.1 Choice of Architecture Design

5.2.1.1 MVC Model

The purpose of VMN is developing a website that allow users about search and share information about Vietnamese medicine. The system of VMN is structured based on MVC combined with layered architecture and Laravel framework.

5.2.1.1.1 MVC Model Overview

MVC is a software architecture pattern that separates the representation of information from user's interaction with it. The model consists of application data, business rules, logic and functions. A view can be any output representation of data, such as a chart or a diagram. Multiple views of the same data are possible, such as bar chart for management and a tabular view for accountants. The controller mediates input, converting it to commands for the model or view.

The Model-View-Controller (MVC) design pattern assigns objects in an application one of three roles: model, view, or controller. The pattern defines not only the roles objects play in the application; it defines the way objects communicate with each other. Each of the three types of objects is separated from the others by abstract boundaries and communicates with objects of the

other types across those boundaries. The collection of objects of a certain MVC type in an application sometimes referred to as a layer—for example, model layer.

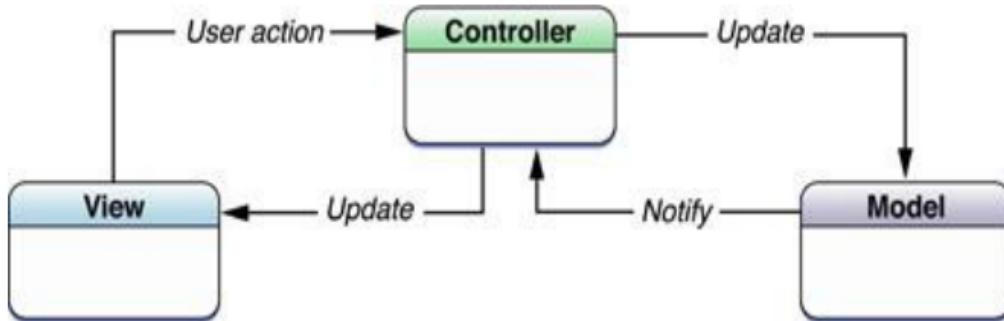


Figure 4-1: MVC Model

In addition to dividing the application into three kinds of components, the MVC design defines the interactions between them:

- **Controller:** The controller can be considered the "middle man" of the application. It works with the user, taking in data, and then working with the model to get the appropriate data or calculation, and then working with the view to show the response to the user.
- **Model:** A model is simply a representation of something we need to deal within our application. It is a "model" for something we must represent in code, such as a book, user, bank account, or whatever. The model is responsible for holding the functions and variables that are involved with whatever it's representing. You can think of a model's logic as the core concept to object oriented programming — models are just our "classes". However, don't let this confuse you as controllers are technically structured as classes as well.
- **View:** Finally, after the controller requests information from the model it sends it to a view. A view is just like the application's templating system — there might be a view for a certain type of page layout (*profile page*), a mobile view, or a view for a particular theme/skin. A view will contain all of the markup, CSS, and etc. that you traditionally use with creating a static web page.

5.2.1.1.2 Advantages and disadvantages of MVC Model

- Advantages:
 - MVC separates system into components, which can be developed, maintained and upgraded individually without pausing system.
 - Develop tools is useful and easy to use.
 - Large of documentary sources.
- Disadvantages:
 - For small projects that apply MVC model caused cumbersome, time consuming in development process.
 - Time consuming to transits data between components.
 - Not suitable for agent-oriented applications such as interactive mobile and robotics applications.

- Multiple pairs of controllers and views based on the same data model make data model change expensive.
- The division between the View and the Controller is not clear in some cases.

5.2.1.1.3 The reasons for choosing MVC Model

- MVC makes parts of system can be developed individually and simultaneously to reduce developing time.
- Better support for test-driven development.
- Tools is useful and documentary source is large makes MVC is easy to develop.
- VMN system is not complete system, now. We built the system that towards extensibility and maintainability in the future.

5.2.1.2 Laravel

5.2.1.2.1 Laravel overview

Laravel is an open source rapid development web application framework, for use in building dynamic web sites with PHP. Laravel is loosely based on the popular MVC development pattern. While view and controller classes are a necessary part of development under Laravel, models are optional.

5.2.1.2.2 Advantages and disadvantages of Laravel

- Advantages
- Laravel is the most common PHP framework with beautiful code.
- Laravel is a PHP framework have the fast speed.
- Laravel provides libraries cater to the most common tasks in web programming, such as database access, email, data checking, session management, image processing ... to the high function as XML-RPC, encryption, security ...
- Mechanism test data is closely, preventing XSS and SQL Injection of Laravel helps minimize the security risk to the system.
- Disadvantages
- No supports about some common module.
- Amateur developers face problems while extending codes and classes.
- Many methods included in the reverse routing are complex.

5.2.1.2.3 The reasons for choosing Laravel

- Consistent with VMN system.
- Some modules need to reuse shared business logic layer.
- Designed according to the MVC Model.
- Modern toolkit. Pinch of magic.
- Tailored for team.
- “Love beautiful code? We do too.”

5.2.2 Architecture Representation

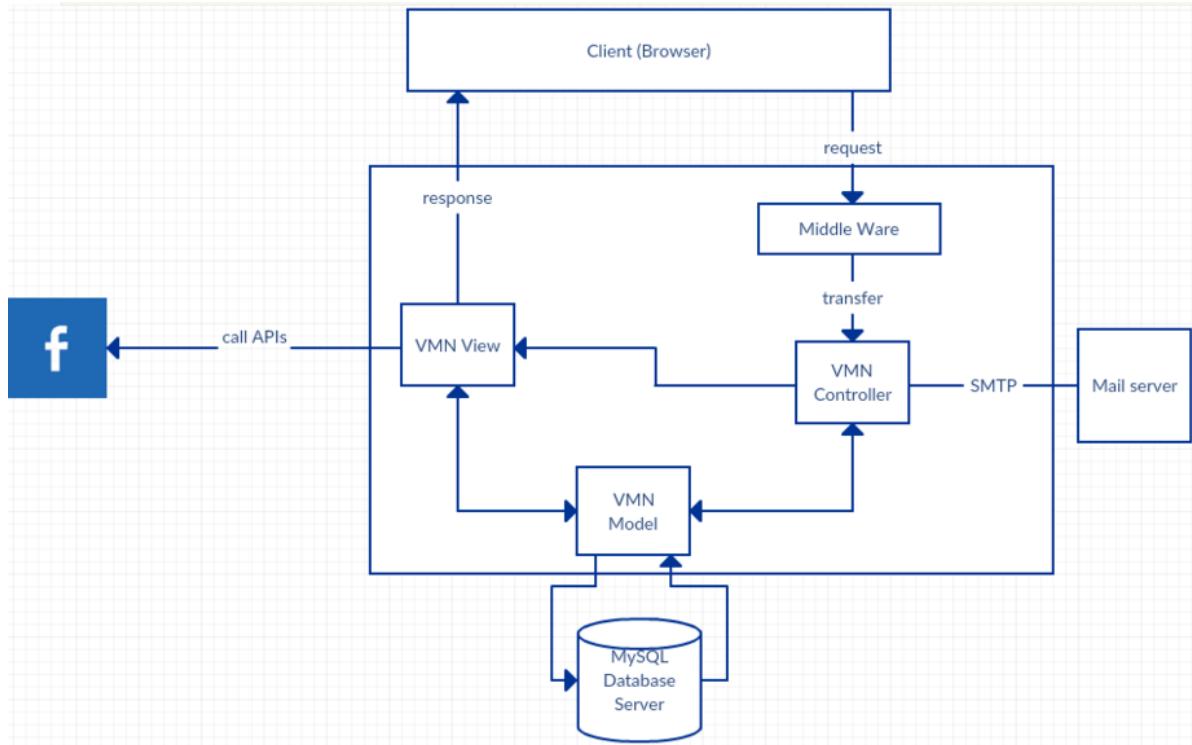


Figure 4-2: System Overview

We follow MVC architecture to implement the VMN Project. MVC offers architectural benefits over standard Jquery and— it helps us write better-organized and therefore more maintainable code.

Model is where the application's data objects are stored. A model object is in charge of encapsulating application state and one object could be related to other objects establishing a one-to-one or one-to-many relationship. The model object does not talk directly to a View, instead is made available to a controller, which accesses it when needed. When a model changes, typically it will notify its observers that a change has occurred. As with any data object it contains instance variables and getter/setter methods.

View is what is presented to the users and how users interact with the system. The view is expected to render the model in a meaningful way to the user. In VMN, the view sends user gestures to controller and allows controller to select view.

Controller is the decision maker and the glue between the model and view; it handles user actions and gestures, and responds to user events. For example, in CMS, when a user clicks the “Create” button to create a new contract, the controller for that action is invoked.

Middleware provide a convenient mechanism for filtering HTTP request entering application.

The middleware will handle request and validate or make needed parameter before transfer the request to controller. The controller will then make changes to the contract model. The view will then render the modified contract model to the display so that user can view the new contract he added in the contract list.

5.2.3 Architectural Goals and Constraints

Availability: The application must be available 95% of time. Users can access to it everywhere from web browser with Internet connection.

Maintainability:

- Coding standards and naming conventions
 - Output of the project must include coding standards and naming conventions documentations. Implementation code must be easy to maintain.
 - All code must be clearly commented, including class, method documentations.
 - If some components are reused, the documentations of those components must also be included.
- Design
 - The design of the system must be loosely coupled that changes on some module will not affect others.
- Logging
 - All the errors should be logged, supporting for bug fixing and maintenance.
 - All strange or sensitive situations should also be logged.

Usability: Usability Requirements support the following from the perspective of its primary users:

Capacity and scalability: throughput, storage and growth requirements.

5.2.4 Use-case View

5.2.4.1 User module

5.2.4.1.1 Authentication module

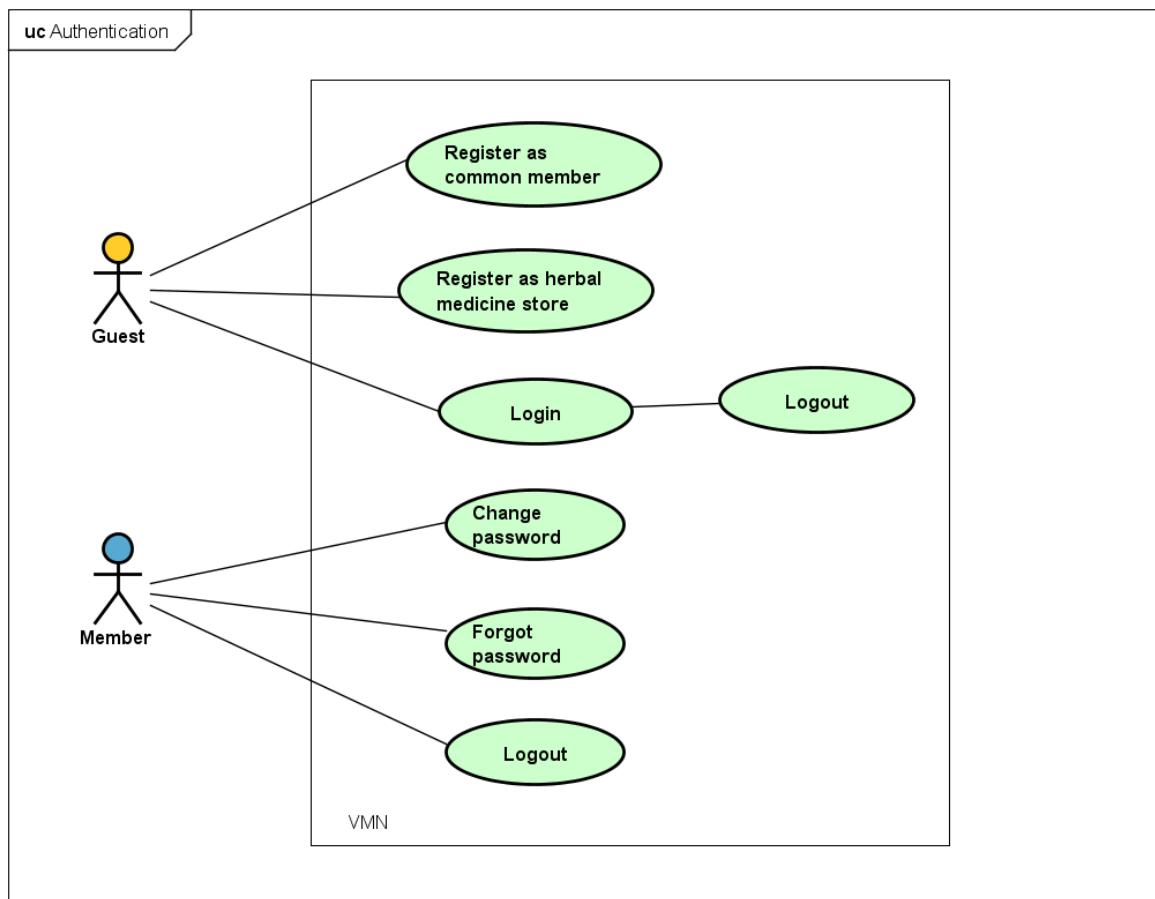


Figure 5-1: Authentication module UC

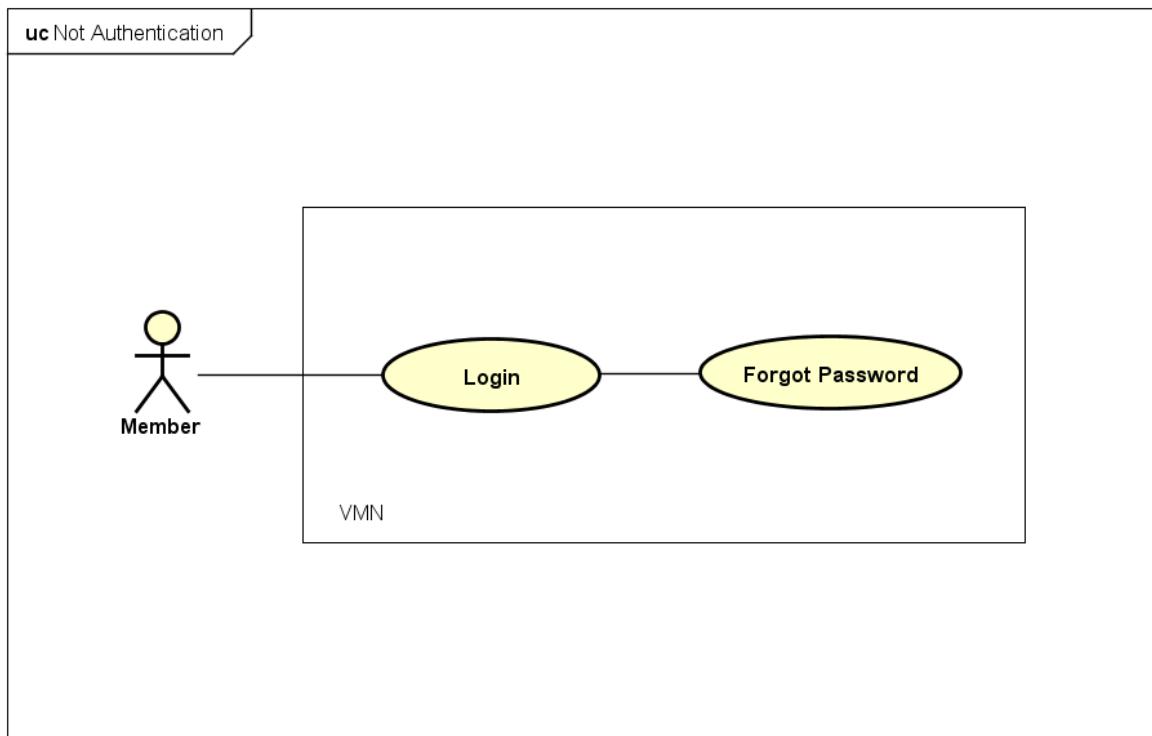


Figure 5-2: Not Authentication UC

5.2.4.2 Medicinal Plants module

5.2.4.2.1 Medicinal plants information

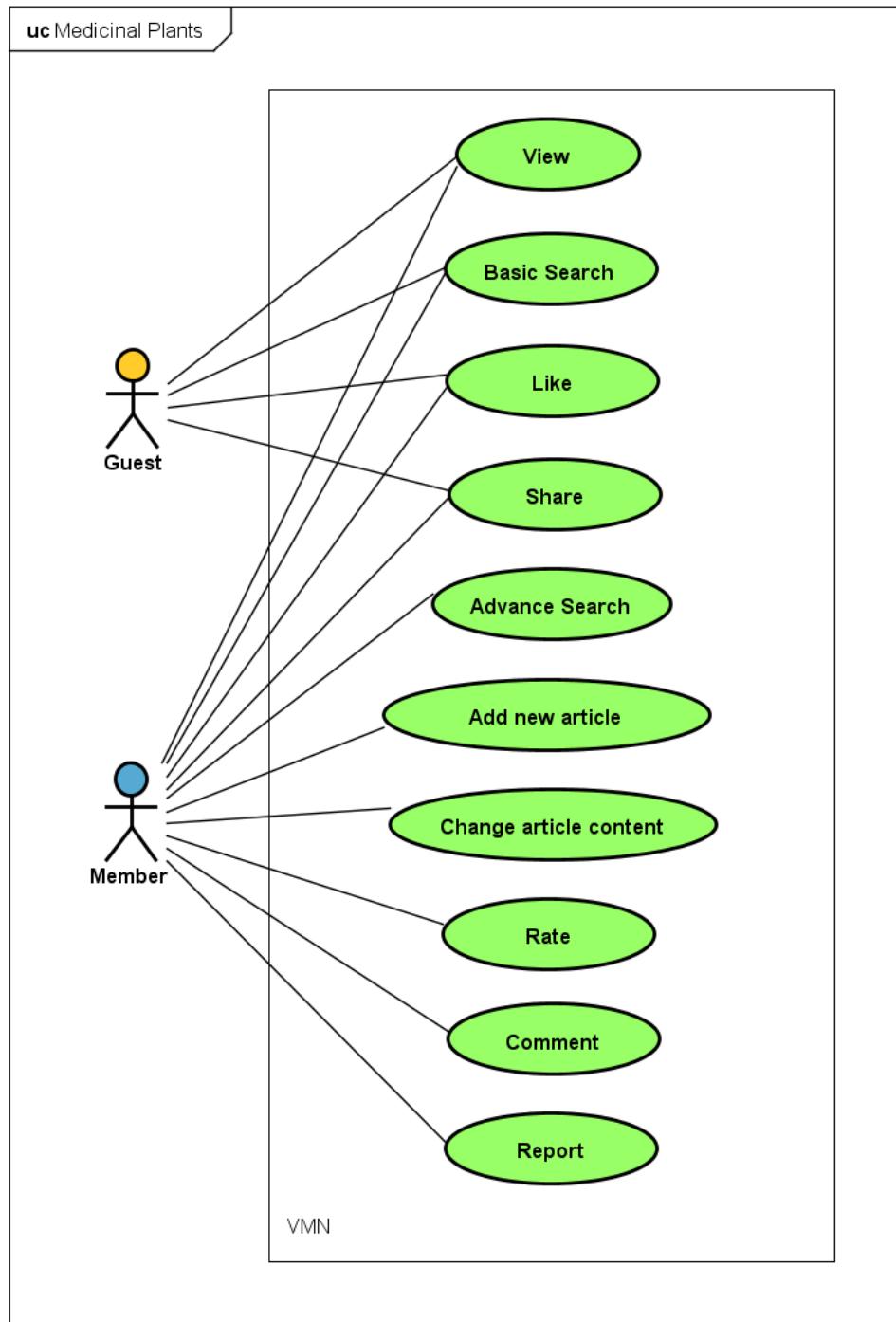


Figure 5-3: Medicinal Plants Information UC

No.	Use-case name	Actor	Description
1	View	Member and Guest	View detail information of a Medicinal plant

2	Basic search	Member and Guest	Search medicinal plant by name only
3	Advance search	Member and Guest	Search Medicinal plant with multi condition
4	Add new article	Member	Create new Medicinal plant
5	Change article content	Member	Author can change content
6	Report	Member	Report to Mod invalid medicinal plant
7	Rate information	Member	Rate information of Medicinal plant
8	Comment	Member	Comment on Medicinal plant post to give personal opinion
9	Share	Member	Users share article in Facebook
10	Like	Member	Users like article in Facebook

5.2.4.2.2 Medicinal plants content management

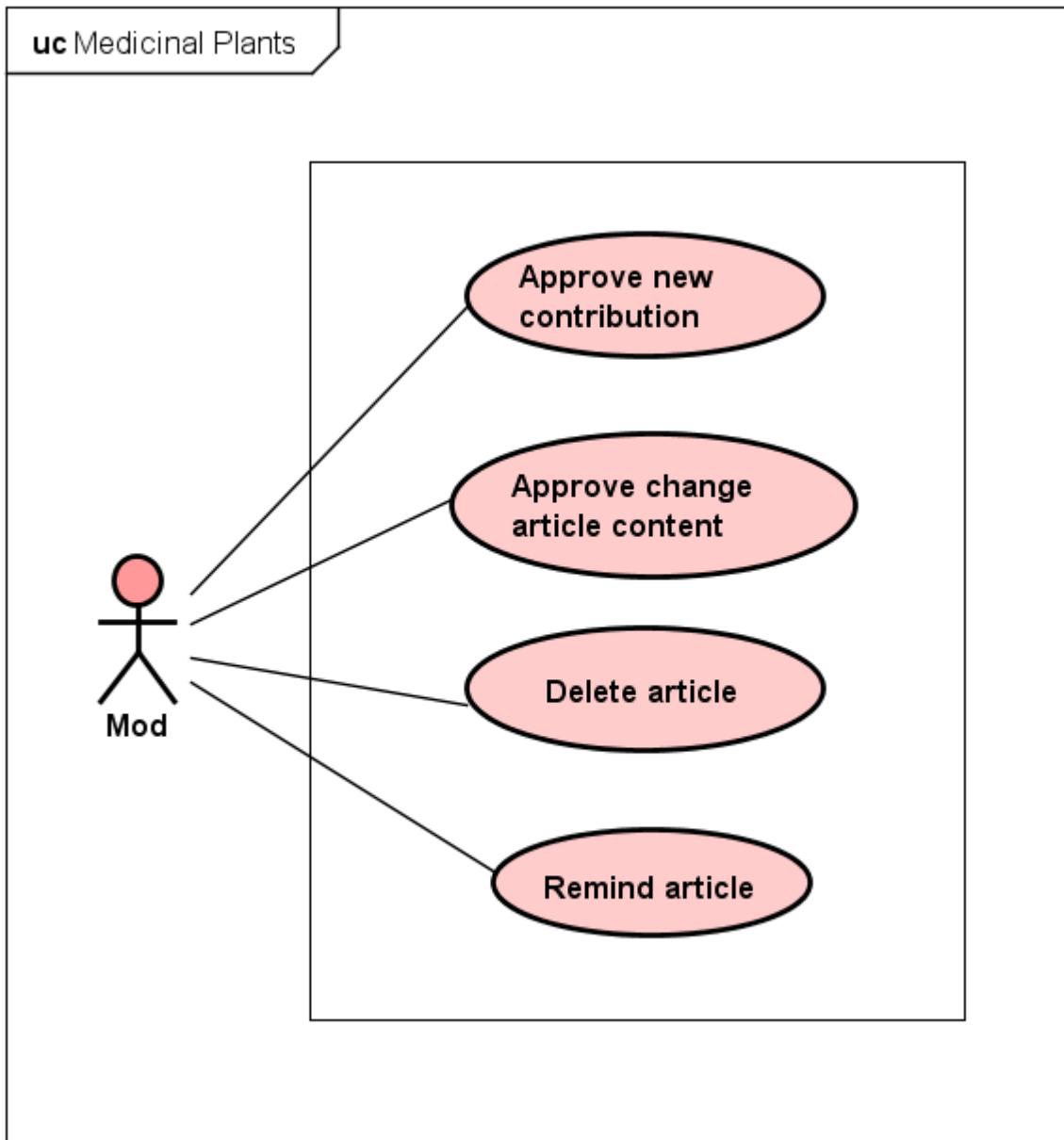


Figure 5-4: Medicinal Plants content management

No.	Use-case name	Actor	Description
1	Approve new article	Mod	Approve new medicinal plant request from member
2	Approve change article content	Mod	Approve change medicinal plant request from member
3	Delete article	Mod	Delete invalid medicinal plant which is reported by member

4	Remind article	Mod	Send remind article message to author of this article
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5.2.4.3 Remedy module

5.2.4.3.1 Remedy information

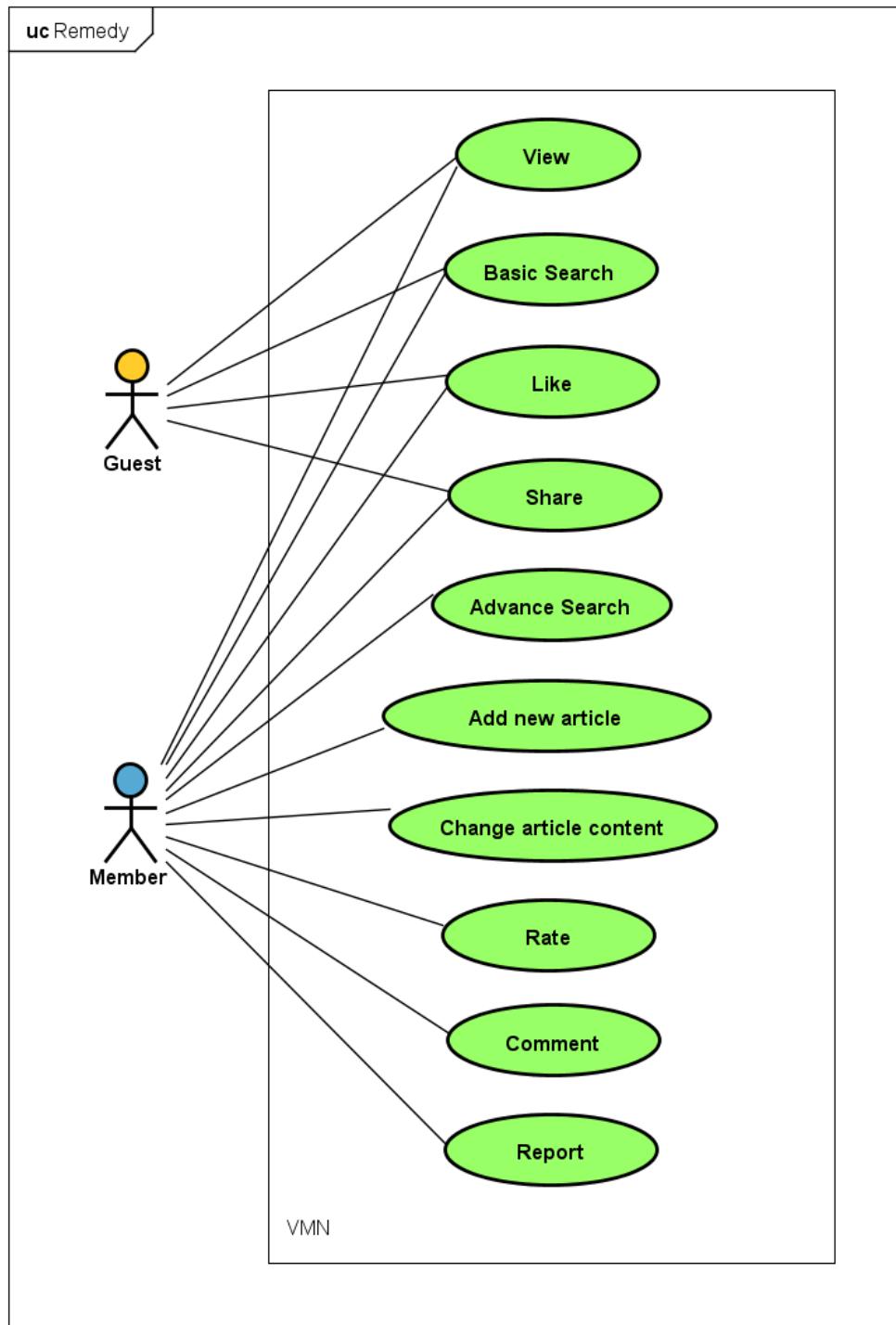


Figure 5-5: Remedy Information UC

No.	Use-case name	Actor	Description
1	View	Member and Guest	View detail information of a Remedy
2	Basic search	Member and Guest	Search remedy by name only
3	Advance search	Member and Guest	Search Remedy with multi condition
4	Add new article	Member	Create new Remedy
5	Change content	Member	Author can change content
6	Rate	Member	Rate information of Remedy
7	Comment	Member	Comment on Remedy post to give personal opinion
8	Report	Member	Report to Mod invalid remedy
9	Share	Member	Users share this article through Facebook
10	Like	Member	Users like this article through Facebook

5.2.4.3.2 Remedy content management

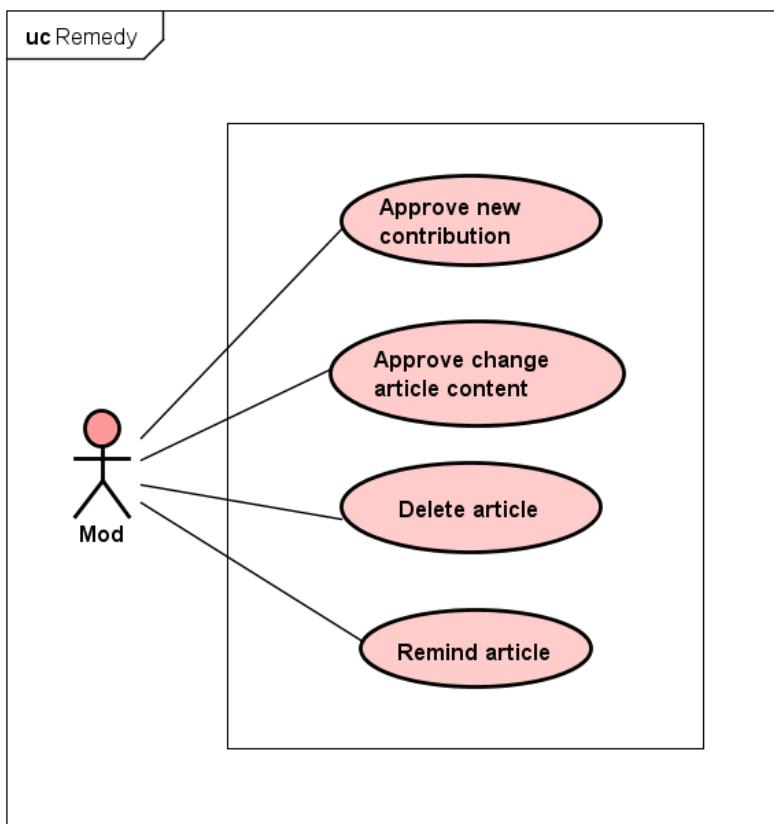


Figure 5-6: Remedy Content Management UC

No.	Use-case name	Actor	Description
1	Approve new article	Mod	Approve new remedy request from member
2	Approve change article content	Mod	Approve change article content request from member
3	Delete article	Mod	Delete invalid remedy which is reported by member
4	Remind article	Mod	Mod send remind message to author of this article

5.2.4.4 Herbal medicine store module

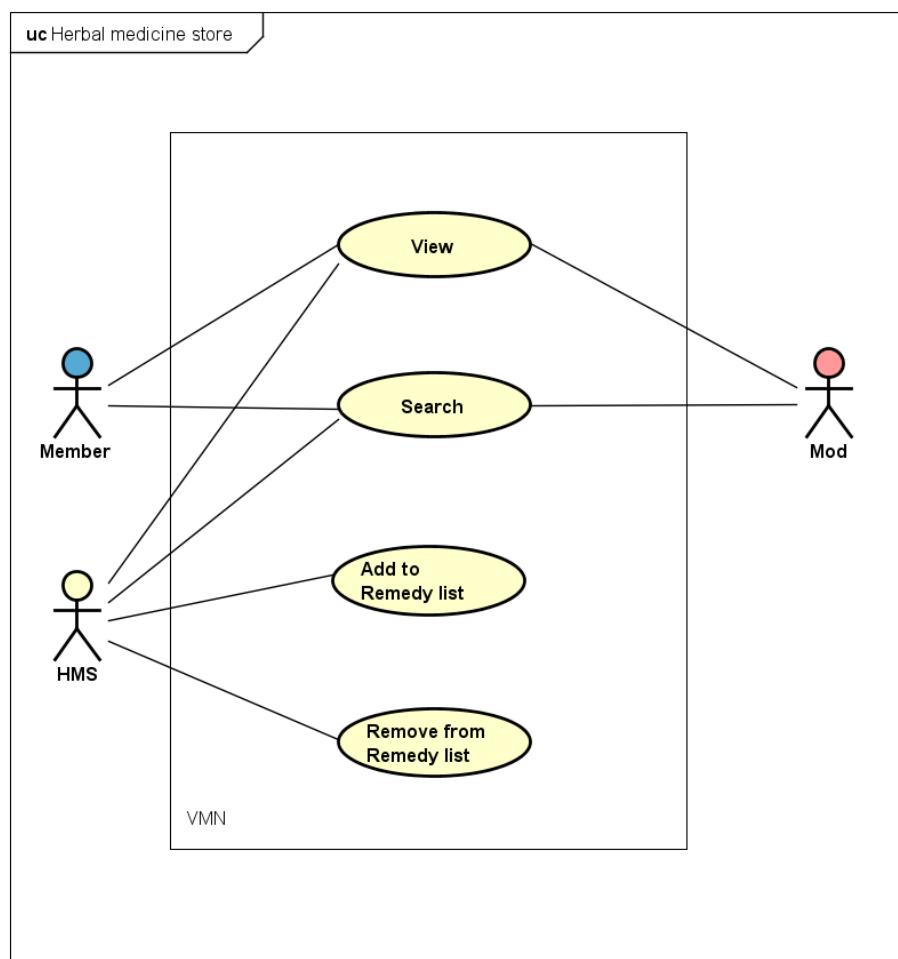


Figure 5-7: HMS Module UC

5.2.4.5 Member module

5.2.4.5.1 Member profile

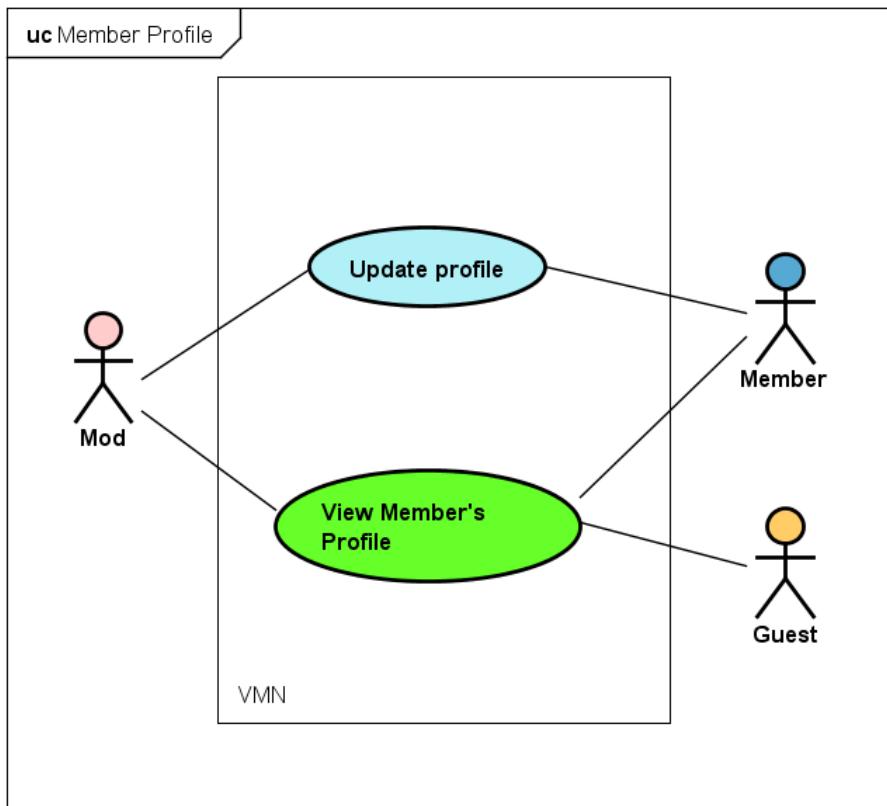


Figure 5-8: Member Profile UC

No.	Use-case name	Actor	Description
1	Update profile	Member	Member can change information of own profile
2	View member's profile	Member	To view member's profile

5.2.4.5.2 Member management

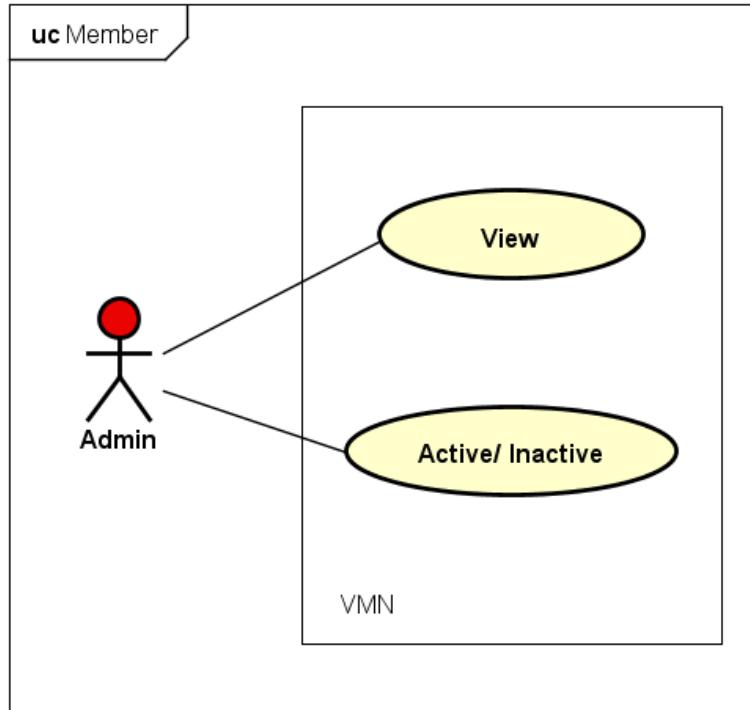


Figure 5-9: Member Management UC

No.	Use-case name	Actor	Description
1	View	Admin	View detail information of a Member (except password)
2	Active/Inactive	Admin	Active and inactive member in system

5.2.5 Logical View

5.2.5.1 Overview

Logical View includes Package diagram and Class diagram. Package diagram describes the organization of packages and elements. Class Diagram provides an overview of the target system by describing the objects and classes inside the system and the relationships between them. It provides a wide variety of usages; from modeling the domain-specific data structure to detailed design of the target system

- Controller contain the interface between
 - ✓ Associated models
 - ✓ Associated views
 - ✓ The input devices (e.g., keyboard, pointing device, time).
 - ✓ Send commands to the model to update the model's state.
- Model is:

- ✓ The domain-specific software simulation
- ✓ Or implementation of the application's central structure.
- View deal with everything graphical
 - ✓ Requests data from their model
 - ✓ Display the data
- Middleware is:
 - ✓ The element between client and system
 - ✓ Handle request, validate data and make parameter before transfer request to Controller

5.2.5.2 Architecturally Significant Design Packages

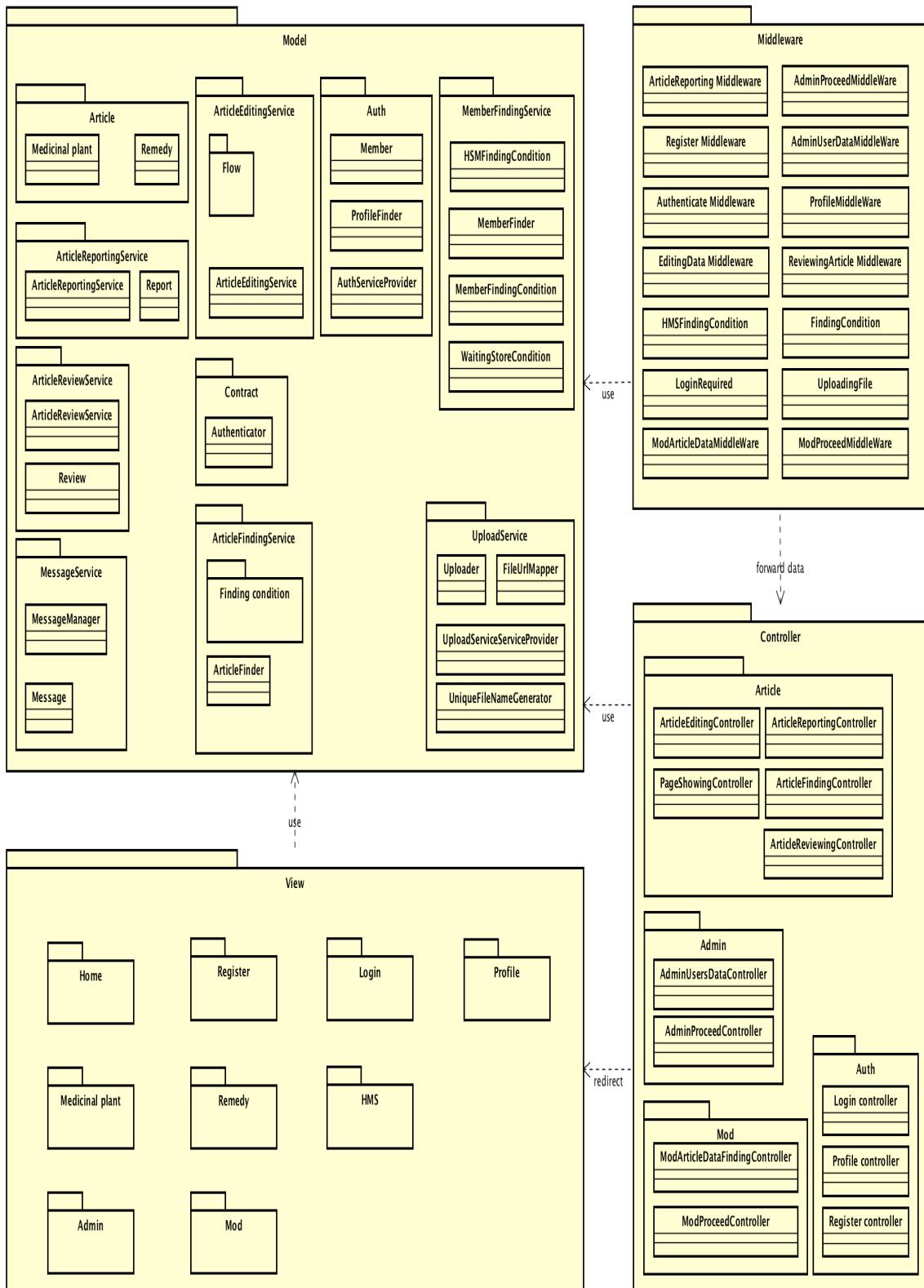


Figure 4-3: Package Diagram

❖ **Model:**

No.	Controller class	Role
1	HMS	Description entity of Herbal Medicine Store in database
2	Medicinal plant	Description entity of Medicinal Plant in database
3	Remedy	Description entity of Remedy in database
4	Authenticator	Description entity of Authenticator
5	Member	Description entity of Member
6	Article editing service	Description entity of Article editing
7	MemberFlow	Description entity of MemberFlow
8	ModFlow	Description entity of ModFlow
9	ArticleFindingService	Description entity of Article finding
10	ArticleReportingService	Description entity of Article reporting
11	Report	Description entity of Report
12	Review	Description entity of Review
13	Uploader	Description entity of Upload picture
14	UploadServiceServiceProvider	Description entity of Upload service
15	FileUrlMapper	Description entity of url link of picture
16	UniqueFileNameGenerator	Description entity of unique file name generator

Table 4-2: Model Package**❖ Controller:**

No.	Controller class	Role
1	RegisterController	<ul style="list-style-type: none"> - Receive request of register. - Handle request from client and call method to do register. - Respond result and data back to View.
2	ArticleEditingController	<ul style="list-style-type: none"> - Receive request of article editing (include add new, change content, delete, approve).

		<ul style="list-style-type: none"> - Handle request from client and call method to add new, change content, delete or approve and save to Database. - Respond result and data back to View.
3	ArticleFindingController	<ul style="list-style-type: none"> - Receive request of article finding (include search, view detail). - Handle request from client and call method to get data from Database. - Respond result and data back to View.
4	ArticleReportingController	<ul style="list-style-type: none"> - Receive request of medicinal plant and remedy reporting. - Handle request from client and call method to report article. - Respond result and data back to View.
5	ArticleReviewingController	<ul style="list-style-type: none"> - Receive request of medicinal plant and remedy reviewing. - Handle request from client and call method to review article. - Respond result and data back to View.
6	PageShowingController	<ul style="list-style-type: none"> - Receive request of page showing. - Handle request from client and call method to show page. - Respond result and data back to View.
7	LoginController	<ul style="list-style-type: none"> - Receive request of login. - Handle request from client and call method to login system. - Respond result and data back to View.
8	ProfileController	<ul style="list-style-type: none"> - Receive request of showing, editing user profile. - Handle request from client and call method about user profile. - Respond result and data back to View.
9	AdminUsersDataController	<ul style="list-style-type: none"> - Receive request of manage user account from

		<p>admin.</p> <ul style="list-style-type: none"> - Handle request from admin and call management user data method. - Respond result and data back to View.
10	AdminProceedController	<ul style="list-style-type: none"> - Receive request of admin proceed. - Handle request from admin and call admin proceed method. - Respond result and data back to View.
11	ModArticleDataFindingController	<ul style="list-style-type: none"> - Receive request of find article from mod. - Handle request from mod and call find article method. - Respond result and data back to View.
12	ModProceedController	<ul style="list-style-type: none"> - Receive request of mod proceed. - Handle request from mod and call mod proceed method. - Respond result and back to View.

Table 4-3: Controller Package

❖ Middleware

Include many php files, that place in app/Http/Middleware and called in routes.php file or in Controller

❖ View

Include many blade.php files

5.2.6 Process view

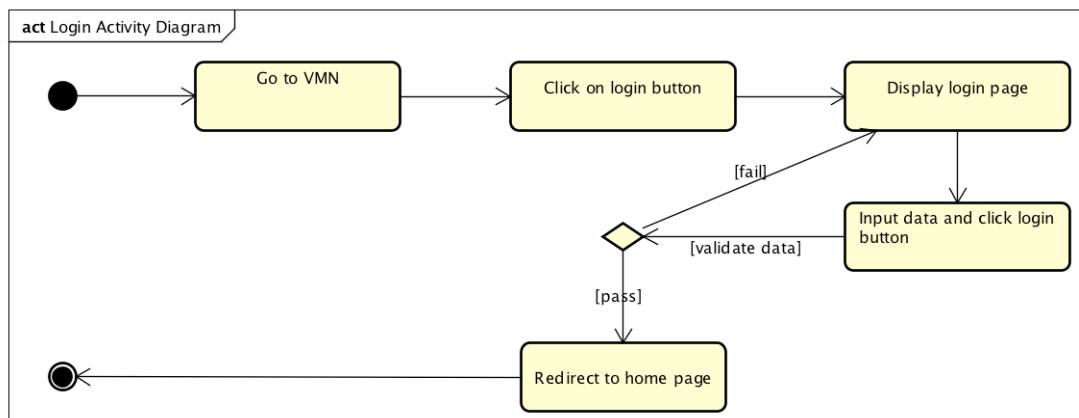


Figure 4-4: Login activity diagram

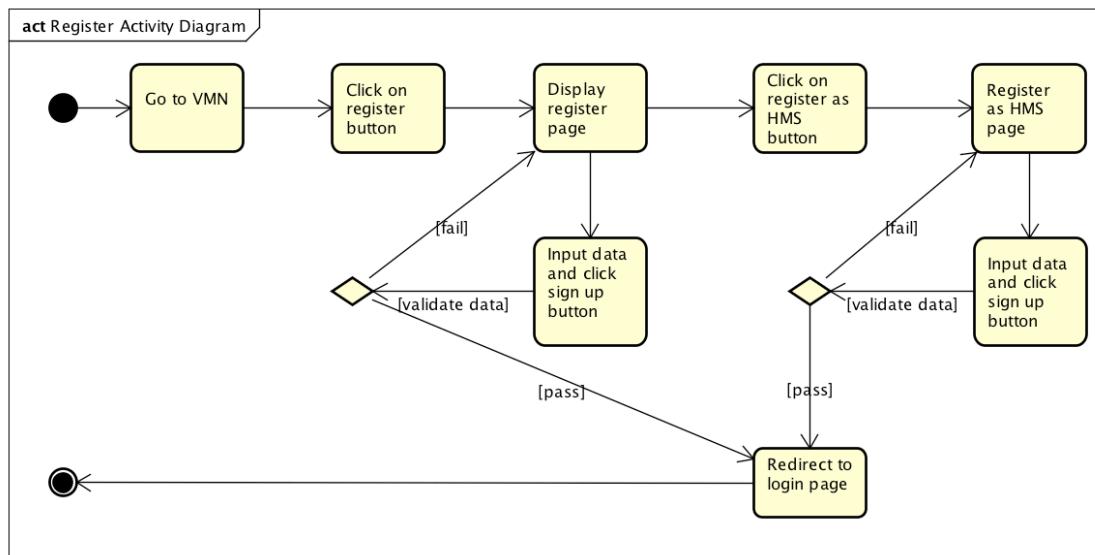
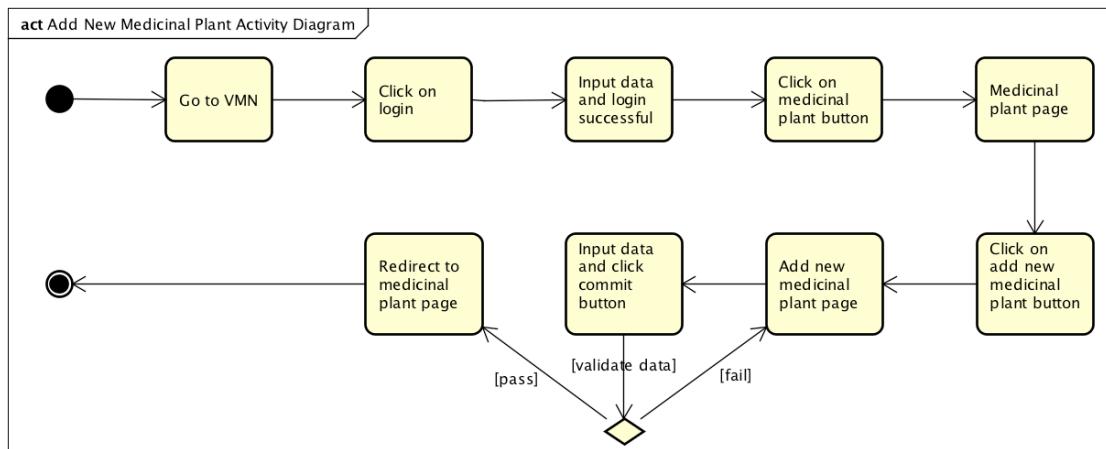
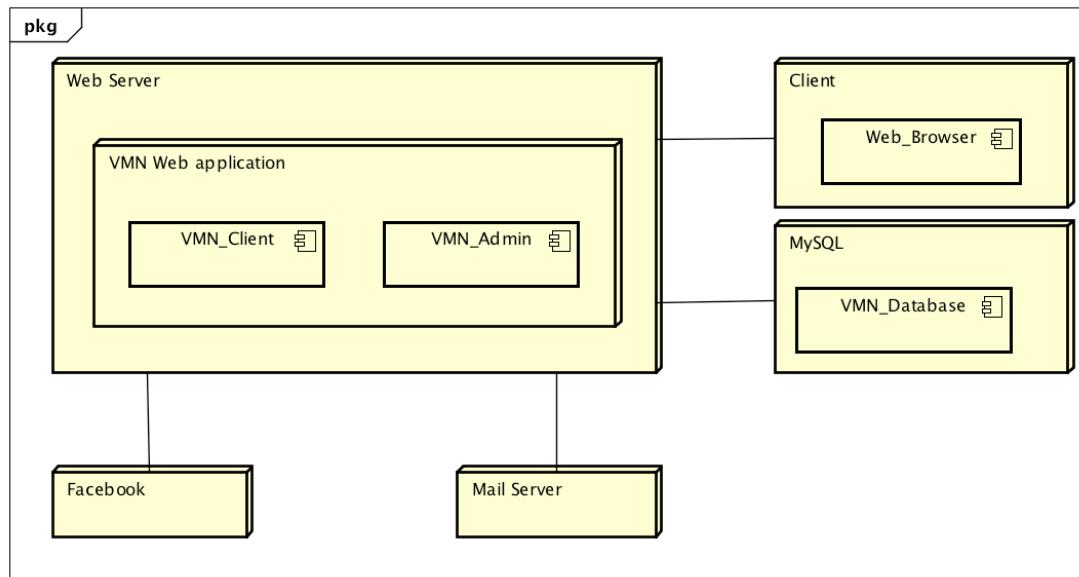


Figure 4-5: Register activity diagram

**Figure 4-6: Add new Medicinal plants activity diagram**

5.2.7 Deployment View

**Figure 4-7: Deployment Diagram**

No.	Name	Description
1	MySQL	Database server use to store system's data. MySQL5.6.16 or higher.
2	Mail server	Mail server use to interact with user's email.
3	Facebook	Use Facebook API to like and share.
4	Web server	Web server is host system's website.
5	Client	Client is web browser to use system. Firefox 20, Chrome 36 or higher.

Table 4-4: Deployment Diagram Description

5.3 Detail Design

5.3.1 Package

5.3.1.1 Package Diagram

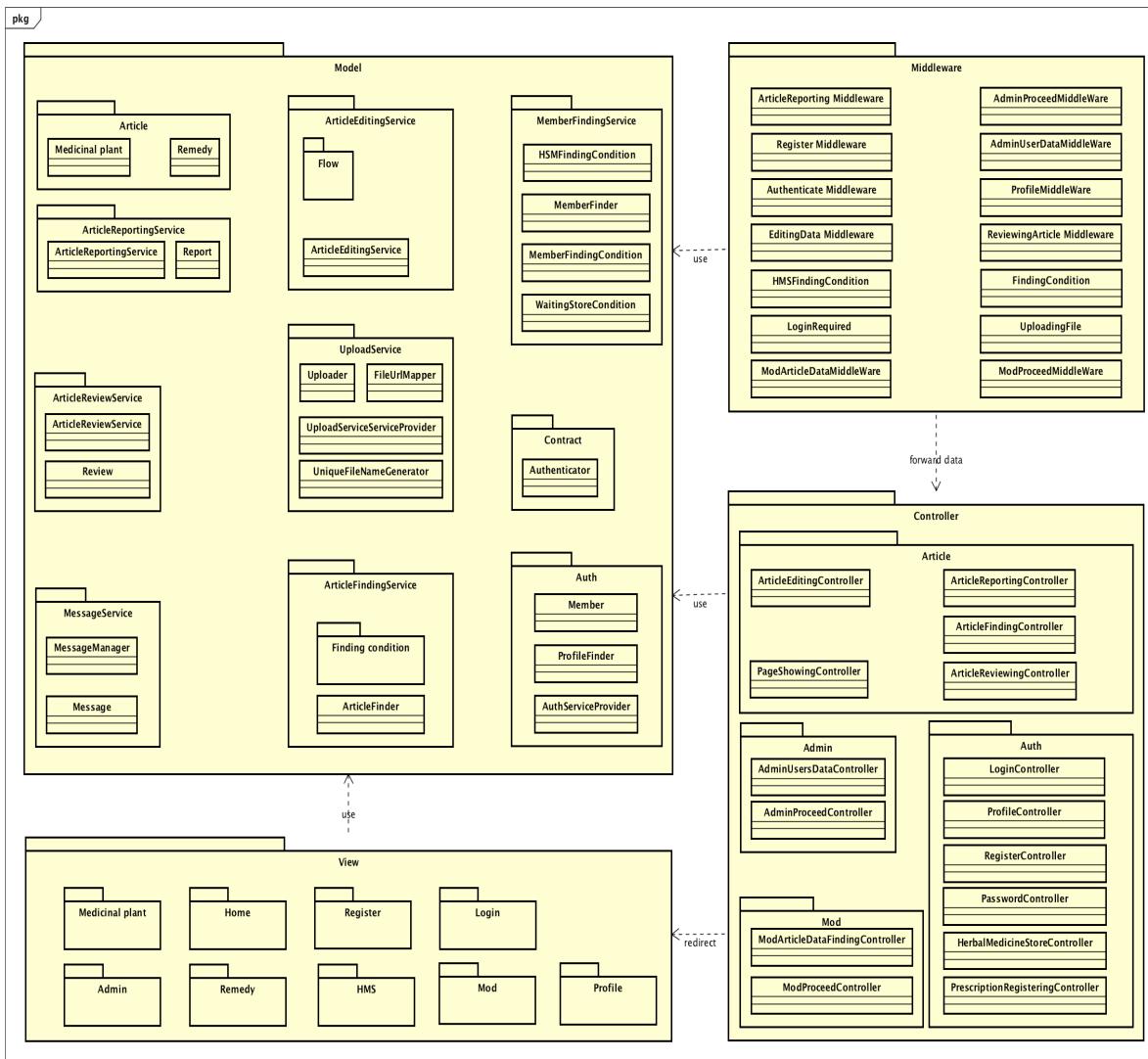


Figure 4-8: Package Diagram

5.4 Package Description

5.4.1 Model

5.4.1.1 Article

5.4.1.1.1 Medicinal Plant Model

No	Field Name	Type	Default	Note	Description
1	commonName	String	Not Null		Common name of medicinal plant
2	otherName	String	Null		Other name of medicinal plant

3	ScienceName	String	Null		Science name of medicinal plant
4	Location	String	Null		Location of medicinal plant
5	Description	String	Not Null		Description of medicinal plant
6	ratingPoint	int	0		Rating point of medicinal plant
7	utility	String	Not Null		Utility of medicinal plant
8	thumbnailUrl	String	Null		Link to thumbnail image
9	author	String	Not Null		Medicinal plant article contributor
10	imgUrl	String	Null		Image link of medicinal plant
11	id	int		Auto increment	Id of medicinal plant

Table 1-1: Medicinal Plant model**5.4.1.1.2 Remedy Model**

No	Field Name	Type	Default	Note	Description
1	title	String	Not null		Title of remedy article
2	description	String	Not Null		Description in remedy article
3	note	String	Null		Note in remedy
4	usage	String	Not null		How to use
5	ratingPoint	int	0		Rating point of remedy article
6	utility	String	Not null		Utility of remedy article
7	thumbnailUrl	String	Null		Link to thumbnail image
8	author	String	Not null		Remedy article contributor
9	imgUrl	String			Image link of remedy article

10	id	int		Auto increment	Id of remedy article
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Table 1-2: Remedy model**5.4.1.2 Auth****2.2.1.2.1 Authenticator**

No	Properties	Type	Default	Note	Description
1	Credential	Object			Authentic tasks
2	Hasher	Object			Create password
3	Key	String			

Table 1-3: Authenticator properties

No	Method	Parameter	Return	Description
1	setPrivateKey	key		Set private key
2	byPassword	Email, password	foundCredential	Check password for authentic task

Table 1-4: Authenticator

a. Member Model

No	Field Name	Type	Default	Note	Description
1	accountName	String	Not null		Member account
2	firstName	String	Null		First name
3	lastName	String	Null		Last name
4	DoB	String	Null		Date of birth
5	email	String	Not null		Email
6	avatar	String	Null		Avatar

Table 1-5: Member Model**5.4.1.3 Article edit service**

No	Method	Parameter	Return	Description
1	Edit	editorFlowManager, type	EditorFlow	Edit an article
2	Add	editorFlowManager, type	EditorFlow	Add an article

5.4.1.4 MemberFlow Model

No	Method	Parameter	Return	Description
1	proceed	Article, type		Log article

5.4.1.5 ModFlow Model

No	Method	Parameter	Return	Description
1	proceed	Article, type		Log and save article to database

5.4.1.6 ArticleFindingService

No	Method	Parameter	Return	Description

1	getQuery	Article, type		Find article
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5.4.1.7 ArticleReportingService**2.2.1.7.1 Report Class**

No	Properties	Type	Default	Note	Description
1	Reason	String			Reason of report
2	Reporter	String			Reporter who reported article
3	Reported	String			Article Reported

Table 1-6: Report**2.2.1.7.2 ArticleReportingService**

No	Method	Parameter	Return	Description
1	reportPlant	Report		Insert reported information to database

5.4.1.8 ArticleReviewService**2.2.1.8.1 Review Model**

No	Properties	Type	Default	Note	Description
1	Comment	String			comments in article
2	Rating	int			Reviewer rates in article
3	Reviewer	String			Reviewer who review article
4	Reviewed	int			

Table 1-7: Review Model**5.4.1.9 Upload Service****2.2.1.9.1 Uploader Model**

No	Field Name	Type	Default	Note	Description
1	fileNameGenerator				
2	fileUrlMapper				

3	uploadDir				
---	------------------	--	--	--	--

Table 1-8: Uploader Model

No	Method	Parameter	Return	Description
1	upload		uploader	

2.2.1.9.2 UploadServiceServiceProvider

No	Method	Parameter	Return	Description
1	register	uploadedFile	fileUrlMapper	
2	provider		Uploader, FileUploadValidator	

2.2.1.9.2 FileUrlMapper Model

No	Method	Parameter	Return	Description
1	setPathTemplate	pathTemplate		
2	map	fileName	String	

5.4.1.10 UniqueFileNameGenerator Model

No	Method	Parameter	Return	Description
1	generate		String	

5.4.2 View

Contain many blade.files to display user interface.

5.4.3 Middleware

Validate data from client request, and make necessary information.

5.4.3.1 ArticleReporting

No	Method	Parameter	Return	Description
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1	handle	Request, Closure	Closure	
2	buildReportObject	request	report	

Table 1-9: ArticleReporting Middleware**5.4.3.2 Authenticate**

No	Method	Parameter	Return	Description
1	handle	Request, Closure, guard	Closure	Check authorized, login request.

Table 1-10: Authenticate Middleware**5.4.3.3 EditingData**

No	Method	Parameter	Return	Description
1	handle	Request, Closure	Closure	Handle editing data request
2	makeArticleInsta nce	Request	plantFactory	Contribute or update plant

Table 1-11: EditingData Middleware**5.4.3.4 FindingCondition**

No	Method	Parameter	Return	Description
1	handle	Request, Closure	Closure	Handle condition finding request
2	makeSearchConditi on	Closure	ArticleFindingCondition	Search to show result of medicinal plant, remedy

Table 1-12: FindingCondition Middleware

5.4.3.5 Register

No	Method	Parameter	Return	Description
1	Handle	Request, Closure	Closure	Handle register request
2	makeMemberInstance	Request	MemberFactory	Create member object
3	makeCredentialInstance	Request	credential	Set attribute of member

Table 1-13: Register Middleware

5.4.3.6 UploadingFile

No	Method	Parameter	Return	Description
1	Handle	Request, Closure	Closure	Handle uploading file request

Table 1-14: UploadingFile Middleware

5.4.3.7 ReviewingArticle

No	Method	Parameter	Return	Description
1	Handle	Request, Closure	Closure	Handle review article
2	buildReviewObject	Request	Review	Build review object, which has comment, rate information.

Table 1-15: ReviewingArticle Middleware

5.4.4 Controller

5.4.4.1 ArticleEditingController

No	Method	Parameter	Return	Description
1	addPlants	Plant, editorFlowManager	http response	Add medicinal plant, show message when successful.
2	editPlants	Plant, editorFlowManager	http response	Edit medicinal plant, show message when successful.
3	addRemedy	Remedy, editorFlowManager	http response	Add remedy, show message when successful.
4	editRemedy	Remedy, editorFlowManager	http response	Edit remedy, show message when successful.

Table 1-16: Article Editing Controller

5.4.4.2 ArticleFindingController

No	Method	Parameter	Return	Description
1	findPlants	MedicinalPlantNameCondition	view	Search medicinal plant
2	medicinalPlantsDetail	MedicinalPlantsIdCondition	view	Show medicinal plant detail
3	showAdvanceSearchPlant	AdvanceSearchPlantsCondition	view	Advance search plant
4	findRemedies	RemediesKeywordCondition	view	Search remedy
5	detailRemedy	RemedyDetailCondition	view	Show remedy

				detail
6	showAdvanceSearchRemedy	AdvanceSearchRemediesCondition	view	Show advance search remedy

Table 1-17: ArticleFinding Controller**5.4.4.3 ArticleReportingController**

No	Method	Parameter	Return	Description
1	reportPlant	Report	http response	Report medicinal plant and show message after send report

Table 1-18: ArticleReporting Controller**5.4.4.4 ArticleReviewingController**

No	Method	Parameter	Return	Description
1	reviewPlants	Report	http response	Review medicinal plant

Table 1-19: ArticleReviewing Controller**5.4.4.5 PageShowingController**

No	Method	Parameter	Return	Description
1	home		View	Display homepage
2	showAddPlant		View	Display add plant page
3	showEditPlant		View	Display edit plant page

Table 1-20: Page showing Controller

5.4.4.6 LoginController

No	Method	Parameter	Return	Description
1	showLogin		View	Show login page
2	doLogin		http response	Check login and redirect to homepage
3	doLogout		http response	Check logout and redirect to homepage

Table 1-21: Login Controller

5.4.4.7 RegisterController

No	Method	Parameter	Return	Description
1	memberRegister	Credential, Member	http response	Register as member of system
2	storeRegister	Credential, HerbalMedicineStore	http response	Register as herbal medicine store

Table 1-22: Register Controller

5.4.4.8 ProfileController

No	Method	Parameter	Return	Description
1	showMemberProfile		view	Show member profile

Table 1-23: Profile Controller

5.4.4.9 PasswordController

No	Method	Parameter	Return	Description

1	changePassword	Credential, String	http response	Change password
2	forgotPassword	Credential	http response	Forgot password

Table 1-24: Profile Controller**5.4.4.10 HerbalMedicineStoreController**

No	Method	Parameter	Return	Description
1	search	HSMFindingCondition	http response	Search herbal medicine store

Table 1-25: Profile Controller**5.4.4.11 PrescriptionRegisteringController**

No	Method	Parameter	Return	Description
1	register	Remedy, HerbalMedicineStore	http response	Add Prescription By Register
2	remove	Remedy, HerbalMedicineStore	http response	Remove Prescription By Register

Table 1-26: Profile Controller**5.4.4.12 AdminUsersDataController**

No	Method	Parameter	Return	Description
1	adminHome		view	Show admin dashboard
2	adminGetApprove	WaitingStoreCondition	view	Get all register as Herbal medicine store
3	adminAllUsers	AllUserCondition	view	Get list of all user
4	adminStoreInfo	MemberInformationCondition	view	Get store information

5	adminUserDetail	MemberInformationCondition	view	Get user detail
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Table 1-27: Admin user data Controller**5.4.4.13 AdminProceedController**

No	Method	Parameter	Return	Description
1	approveRegister	credential	http response	Approve register as Herbal medicine store
2	denyRegister	credential	http response	Deny register as Herbal medicine store
3	changeStatus	credential	http response	Active or inactive a credential
4	changeRole	credential	http response	Change role

Table 1-28: Admin proceed Controller**5.4.4.14 ModArticleDataFindingController**

No	Method	Parameter	Return	Description
1	modHome		view	Show the mod dashboard
2	getWaitingPlants	PlantManagementCondition	view	Get waiting plants
3	getWaitingRemedies	RemedyManagementCondition	view	Get waiting remedy

Table 1-29: Mod Article Data Finding Controller**5.4.4.15 ModProceedController**

No	Method	Parameter	Return	Description
1	approveNewPlant	MedicinalPlant	http response	Approve new plant
2	approveEditedPlant	MedicinalPlant	http response	Approve edited plant
3	denyPlant		http response	Reject medicinal plant
4	approveNewRemedy	Remedy	http response	Approve new remedy

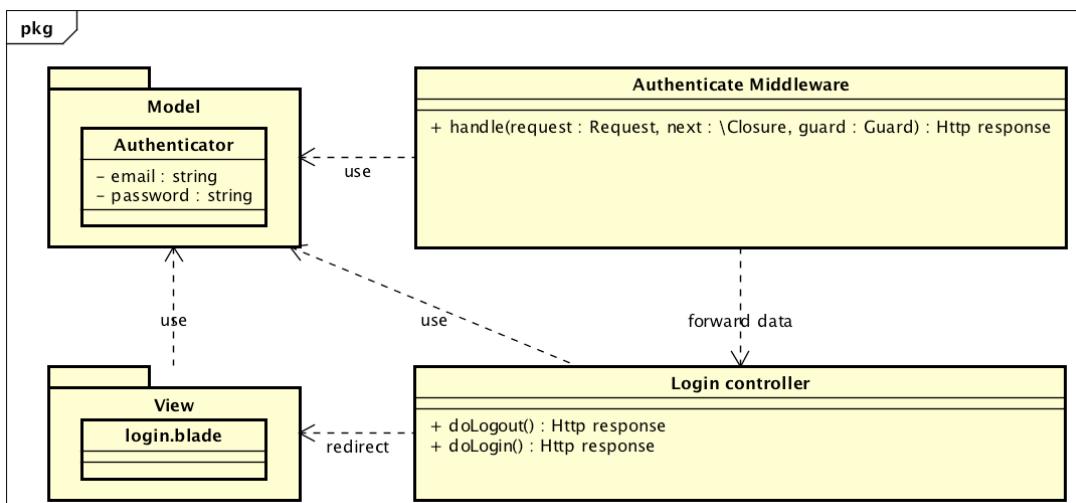
5	approveEditRemedy	Remedy	http response	Approve edit remedy
6	rejectRemedy		http response	Reject remedy
7	remindPlantAuthor	Message	http response	Send message to remind author's medicinal plant
8	remindRemedyAuthor	Message	http response	Send message to remind author's remedy

Table 1-30: Mod proceed Controller

5.4.5 Function

5.4.5.1 Login_Logout

5.4.5.1.1 Class diagram

**Figure 4-9:** Login_Logout class diagram

5.4.5.1.2 Sequence diagram

5.4.5.1.2.1 Login

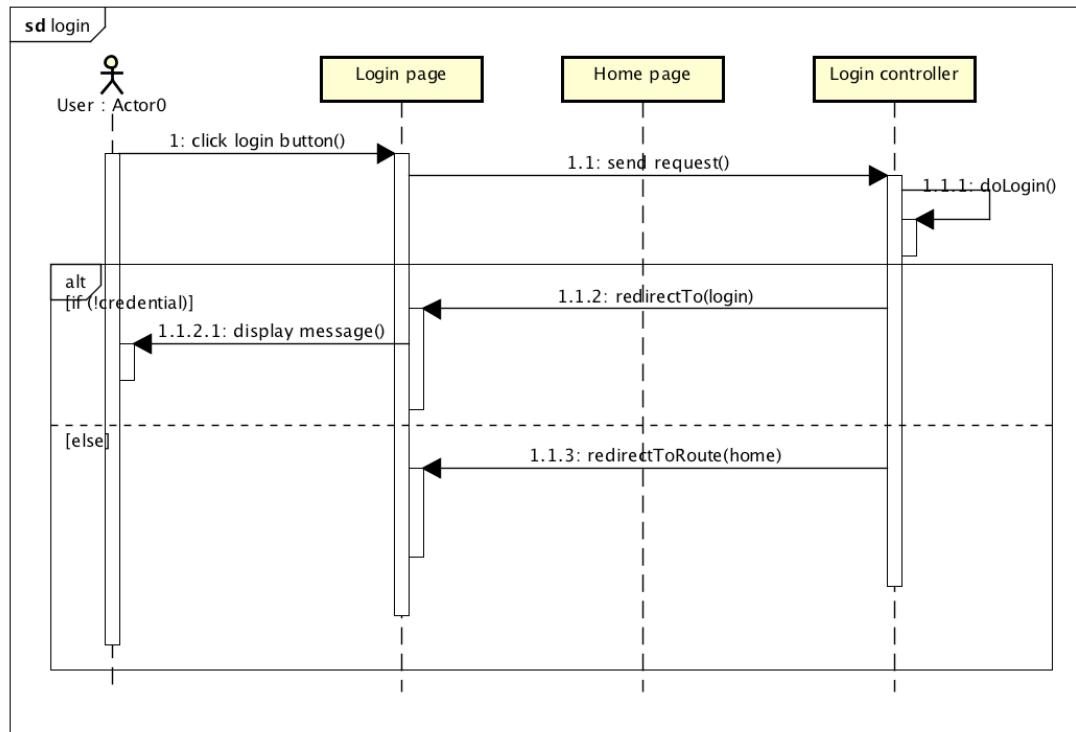


Figure 4-10: Login sequence diagram

5.4.5.1.2.2 Logout

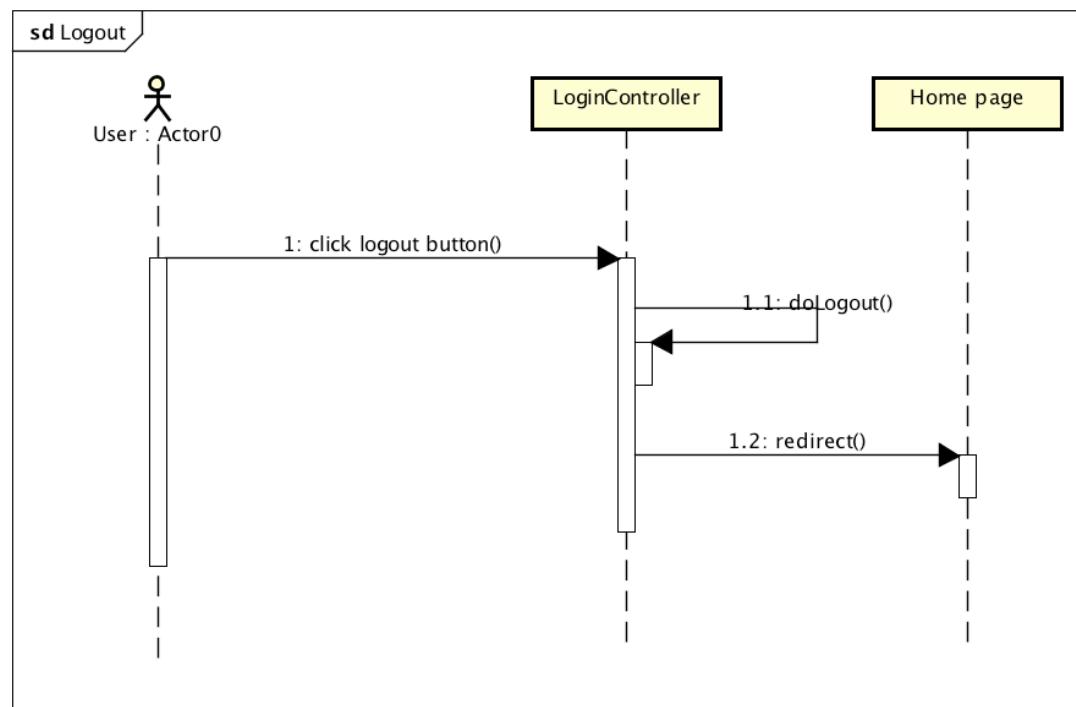


Figure 4-11: Logout sequence diagram

5.4.5.1.2.3 Forgot Password

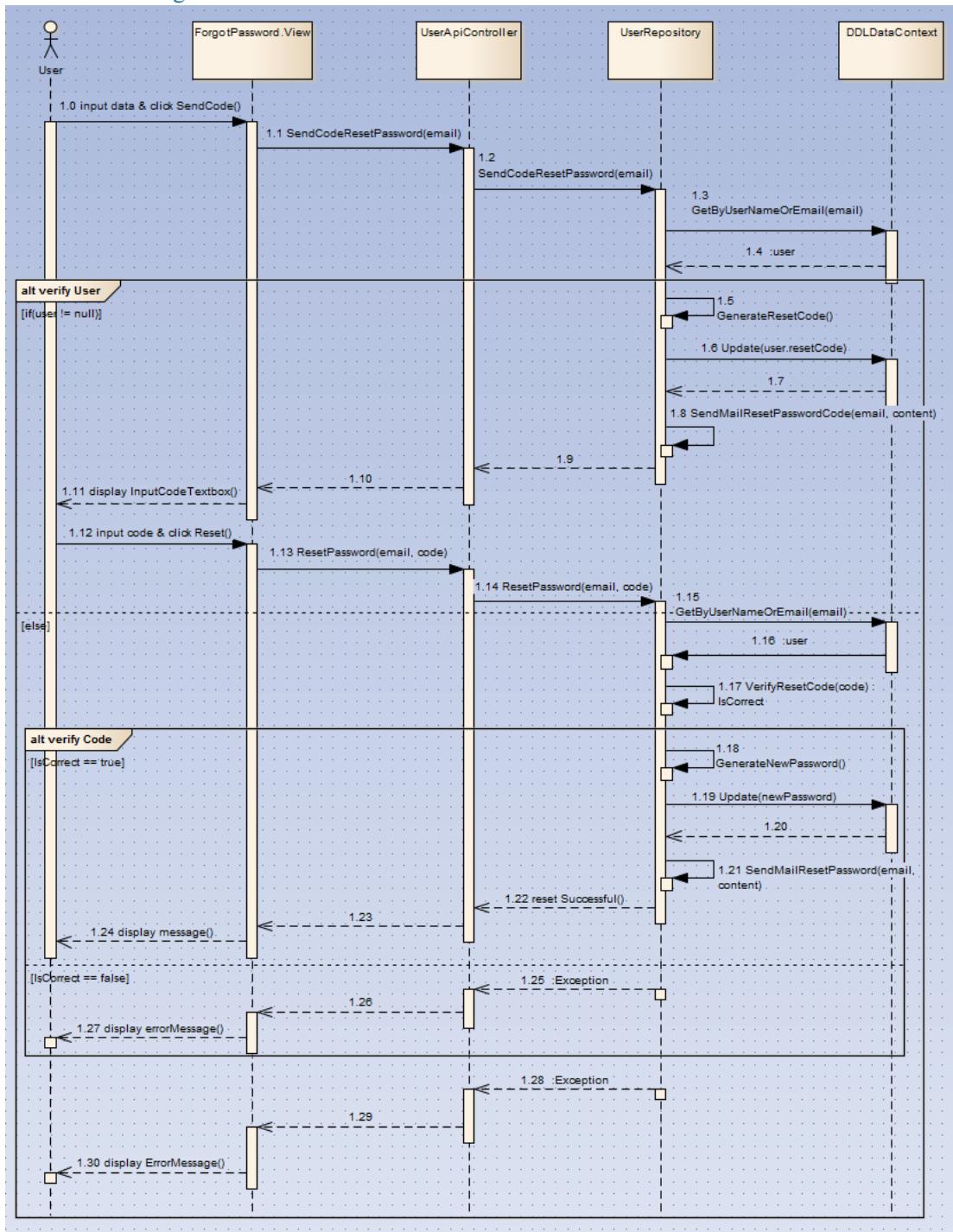


Figure 4-12: Forgot password sequence diagram

5.4.5.2 Change password

5.4.5.2.1 Class diagram

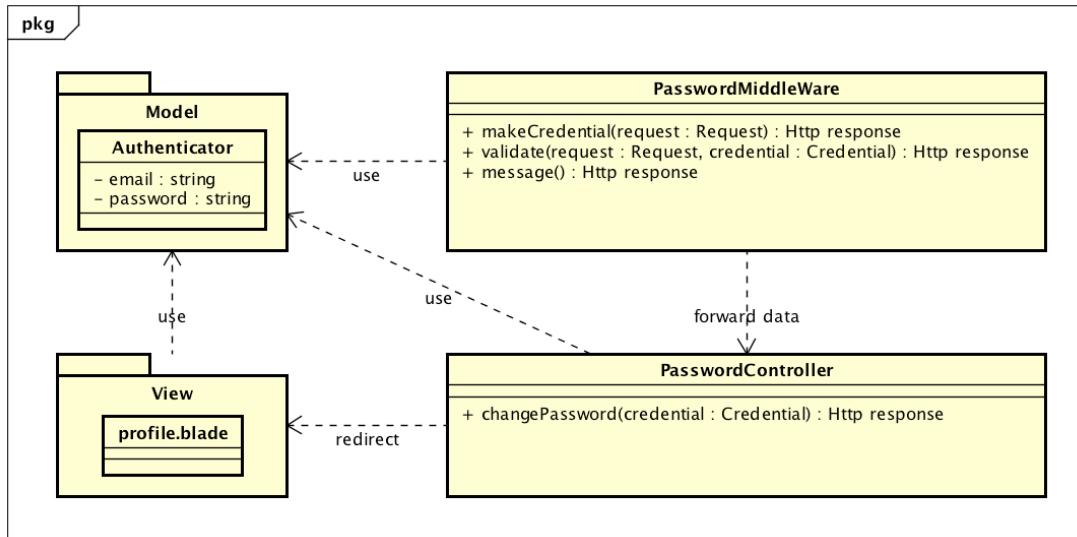


Figure 4-13: Project management class diagram

5.4.5.2.2 Sequence diagram

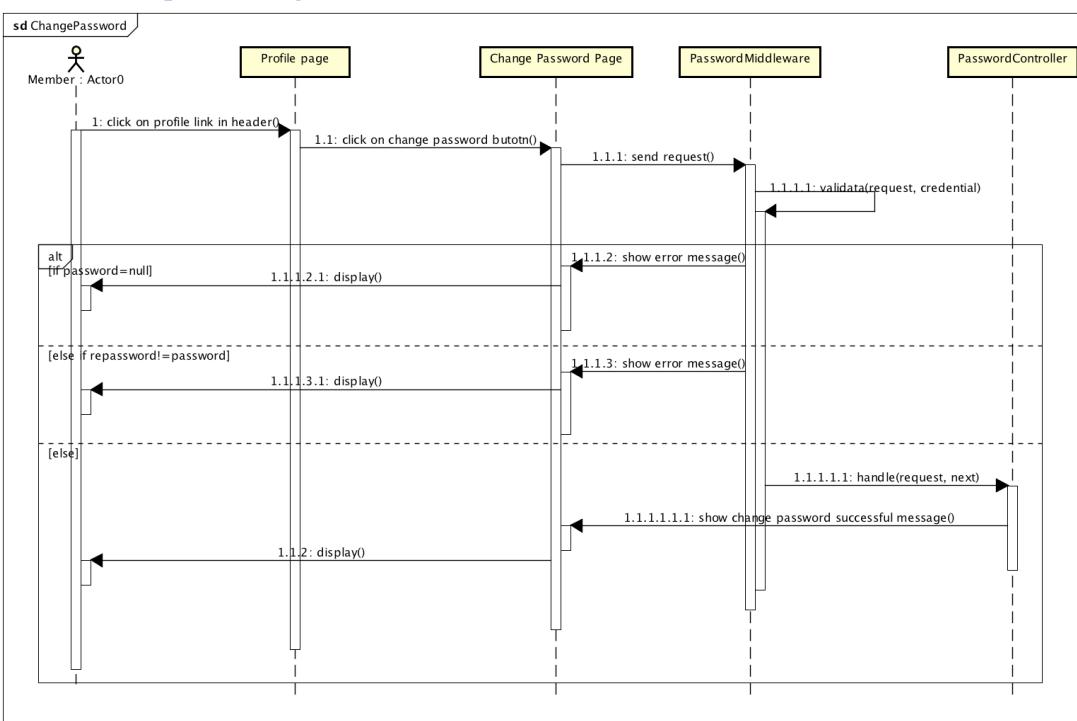


Figure 4-14: Change password sequence diagram

5.4.5.3 Finding HMS

5.4.5.3.1 Class diagram

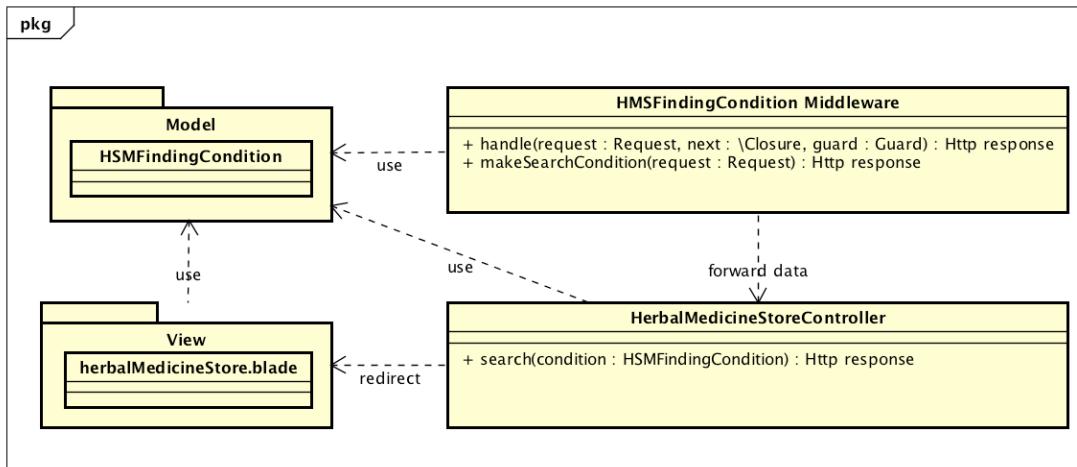


Figure 4-15: Finding HMS class diagram

5.4.5.3.2 Sequence diagram

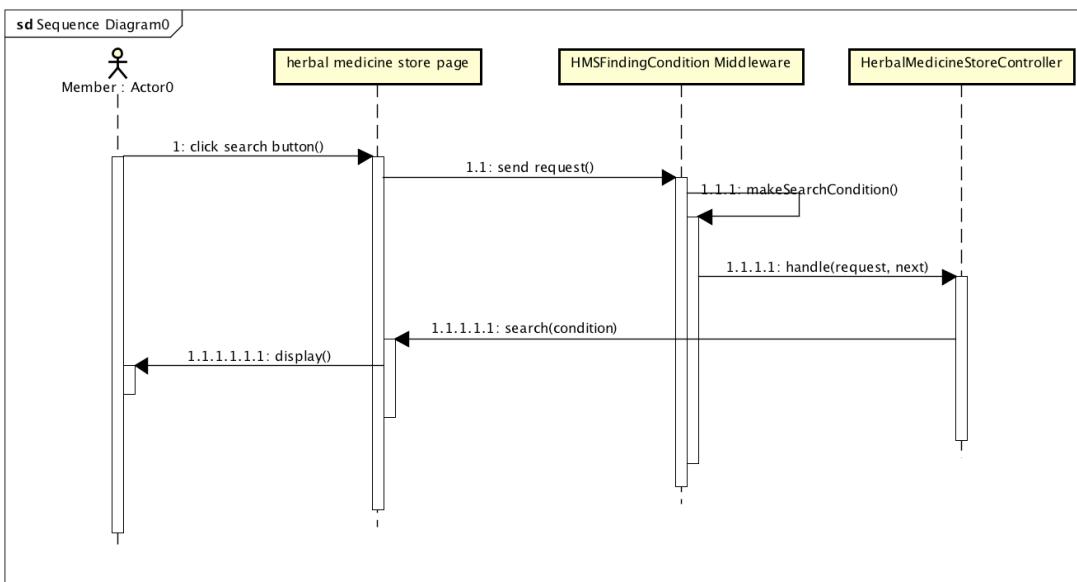


Figure 5-10: Finding HMS sequence diagram

5.4.5.4 Prescription Register

5.4.5.4.1 Class diagram

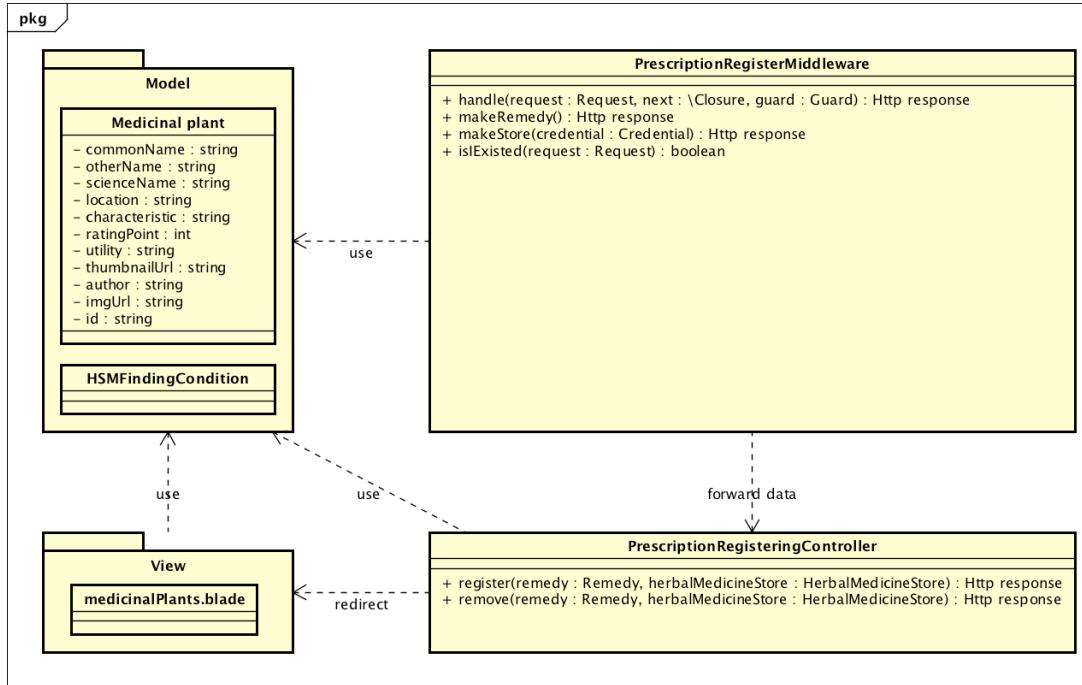


Figure 4-16: Prescription Register function class diagram

5.4.5.4.2 Sequence diagram

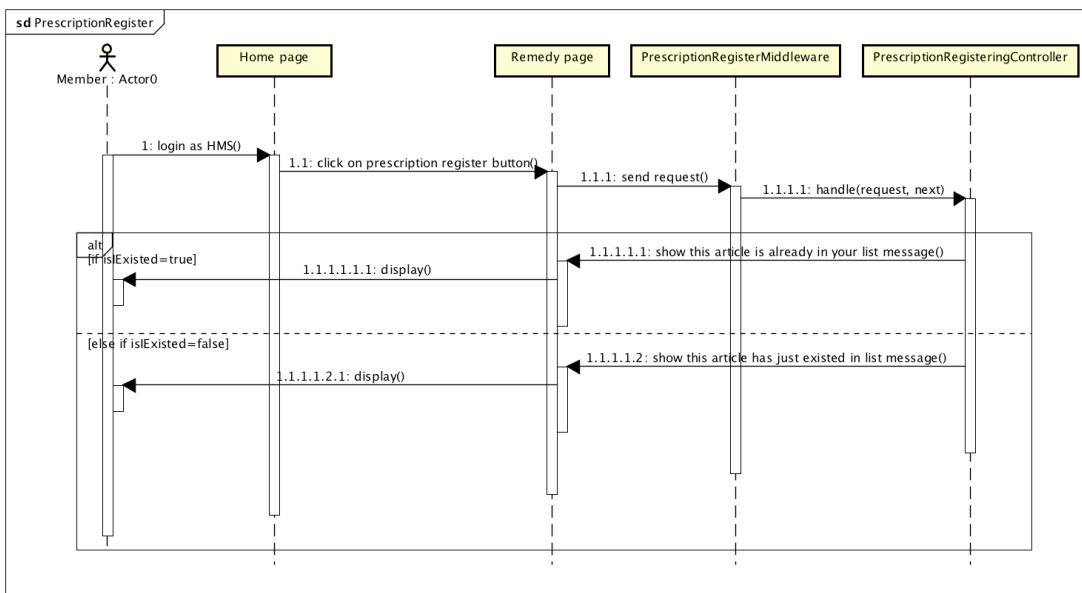


Figure 5-11: Prescription Register sequence diagram

5.4.5.5 Register

5.4.5.5.1 Class diagram

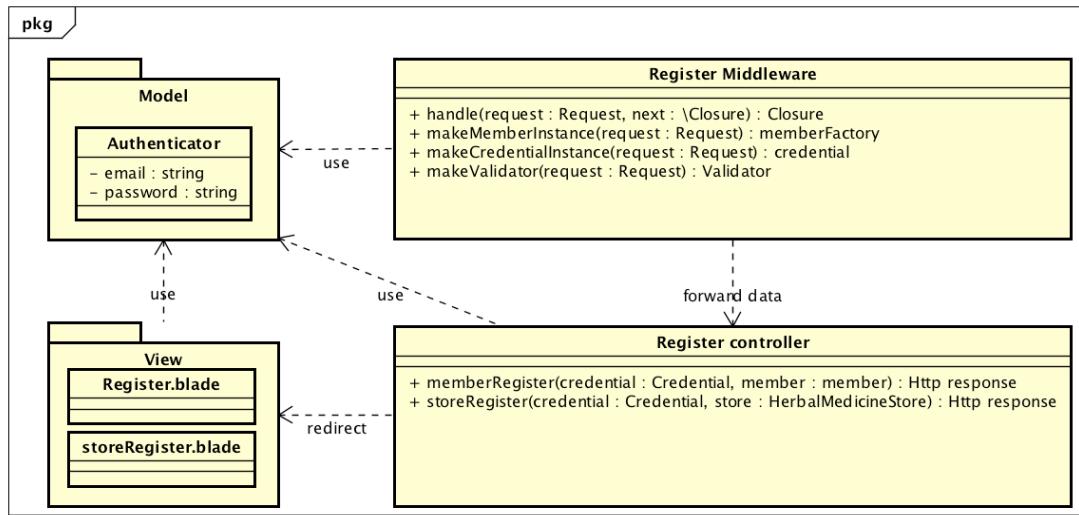


Figure 4-17: Register class diagram

5.4.5.5.2 Sequence diagram

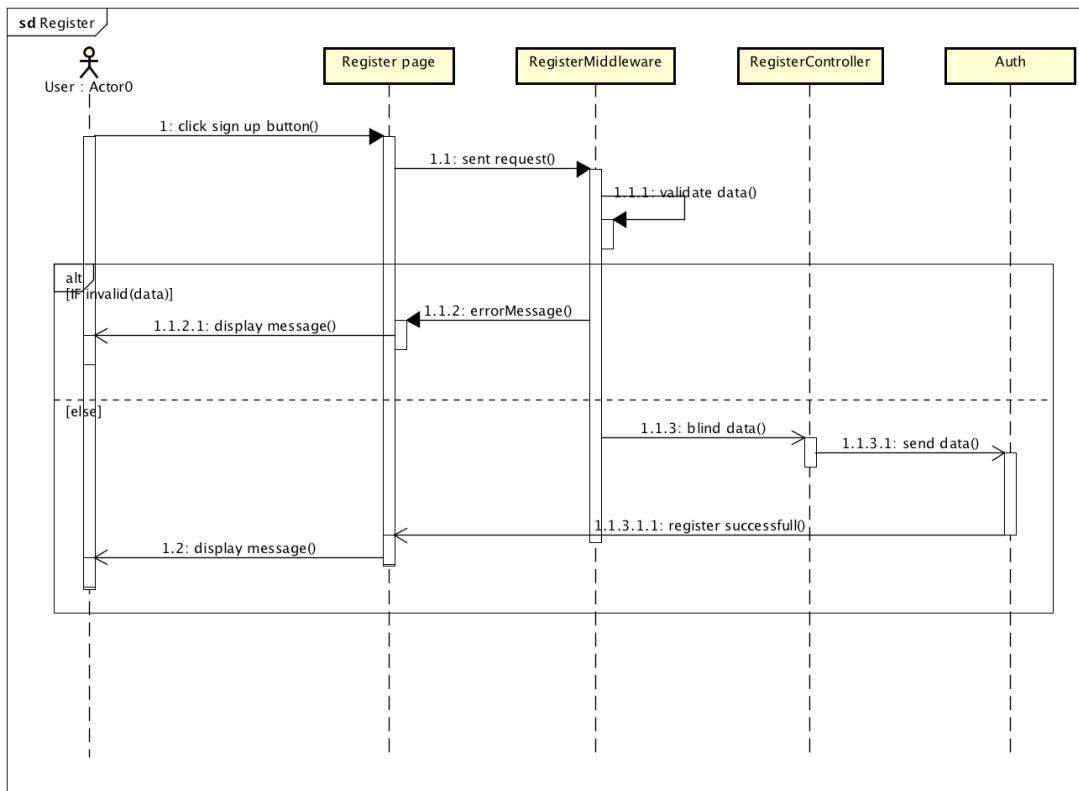


Figure 5-12: Register sequence diagram

5.4.5.6 Profile

5.4.5.6.1 Class diagram

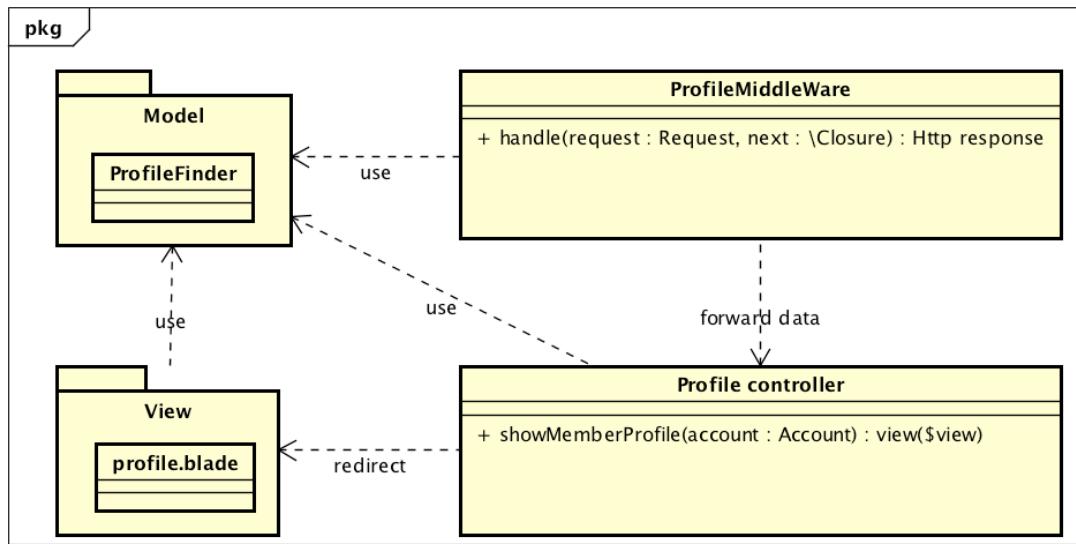


Figure 2-1: Profile class diagram

5.4.5.6.2 Sequence diagram

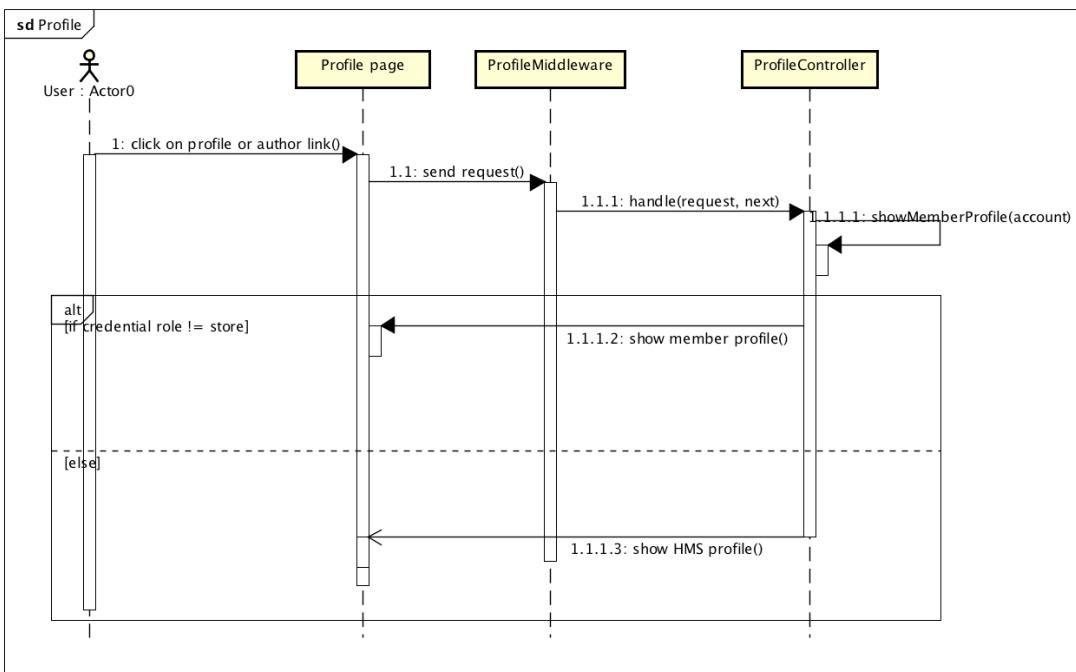


Figure 5-13: Profile sequence diagram

5.4.5.7 Finding article

5.4.5.7.1 Class diagram

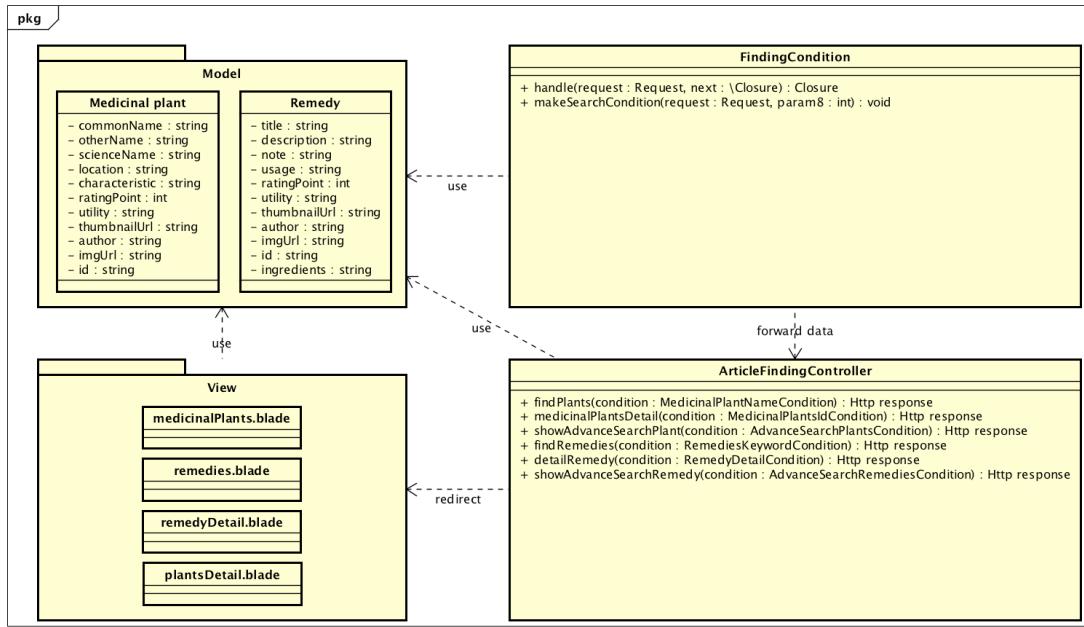


Figure 2-2: Finding article class diagram

5.4.5.7.2 Sequence diagram

5.4.5.7.2.1 Basic finding article

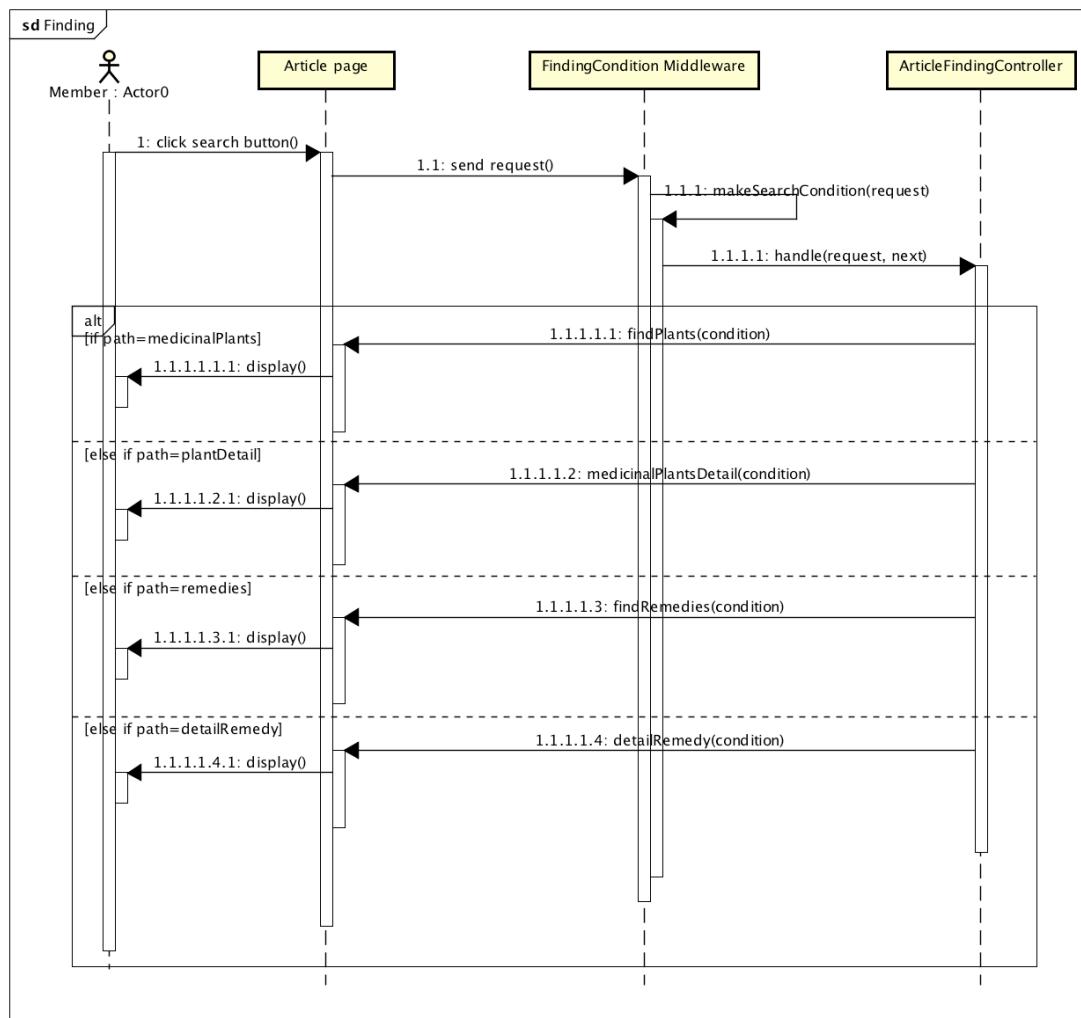


Figure 4-18: Basic Finding Article sequence diagram

5.4.5.7.2.2 Advance finding article

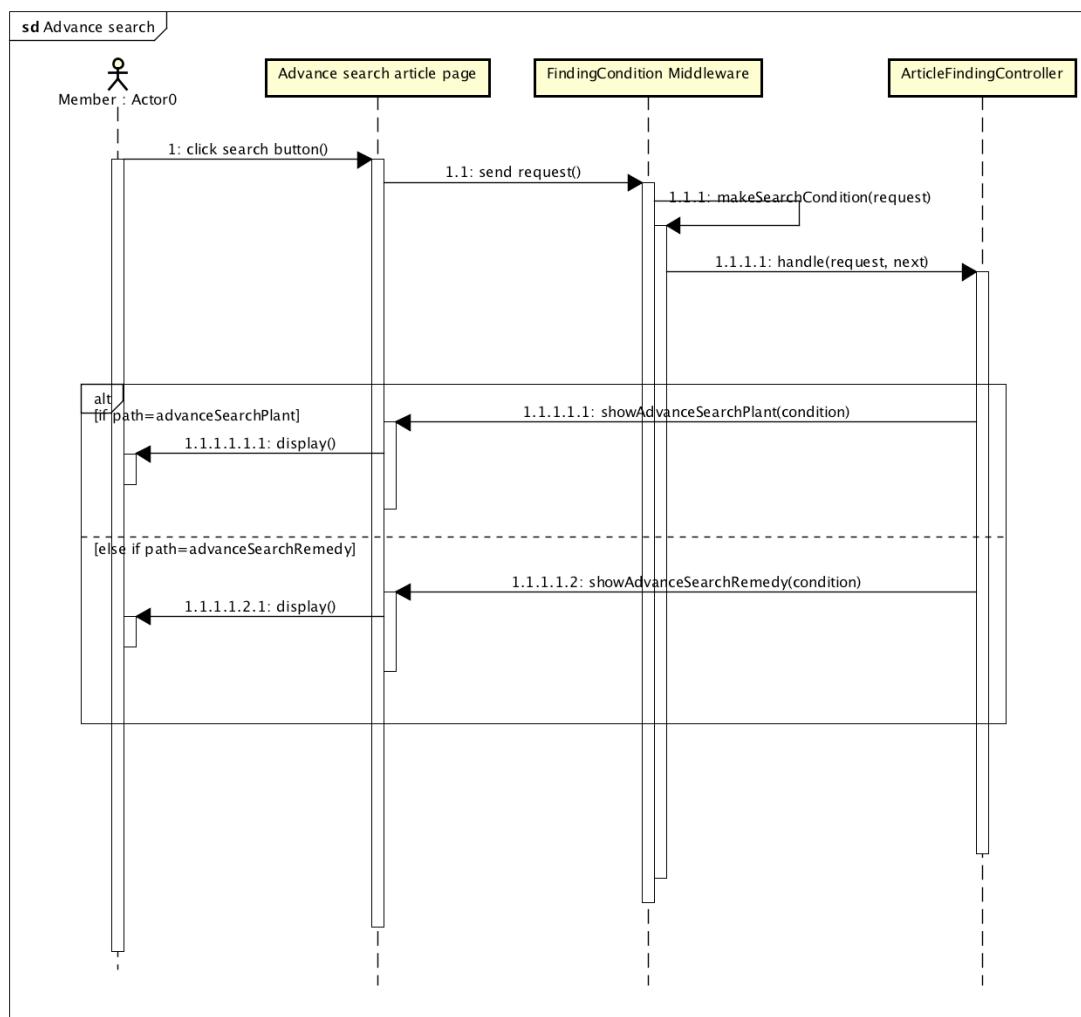


Figure 4-19: Advance finding article sequence diagram

5.4.5.8 Editing article

5.4.5.8.1 Class diagram

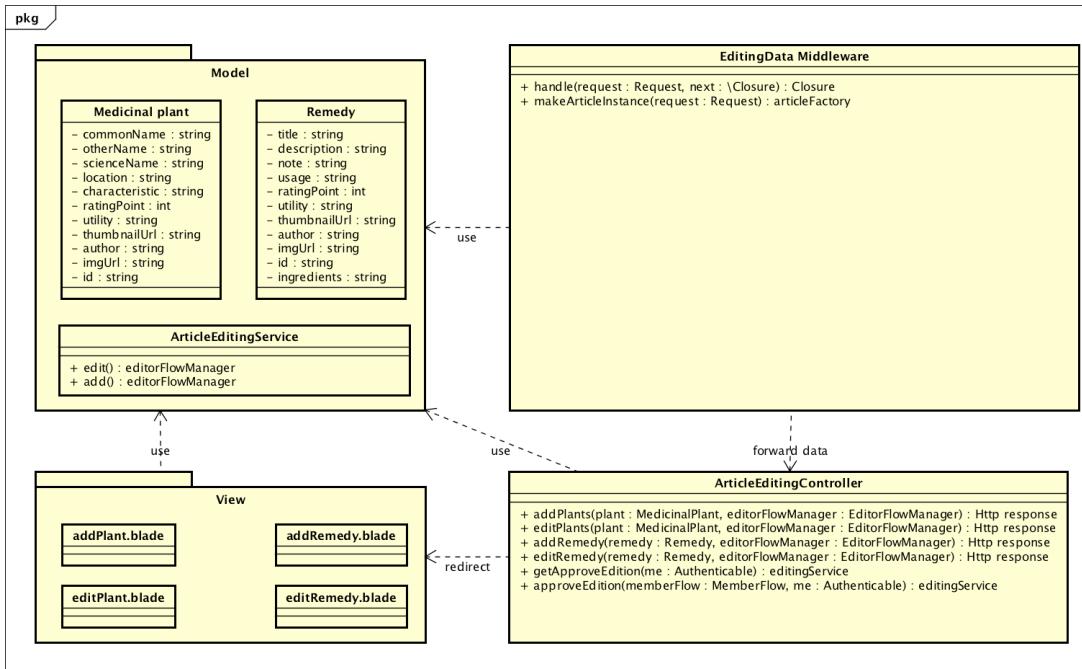


Figure 2-3: Editing class diagram

5.4.5.8.2 Sequence diagram

5.4.5.8.2.1 Contribute article

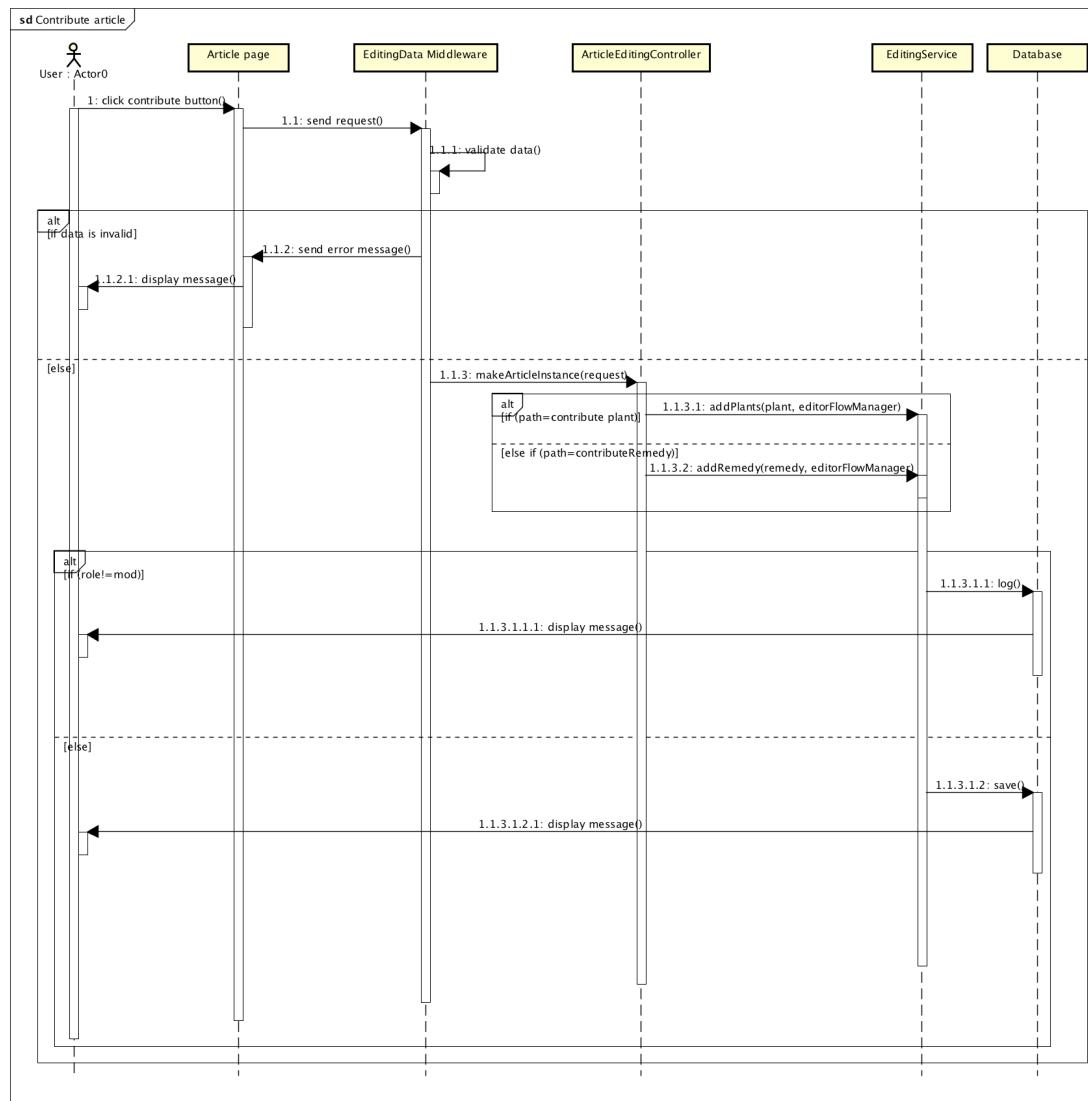


Figure 4-20: Contribute article sequence diagram

5.4.5.8.2.2 Edit article

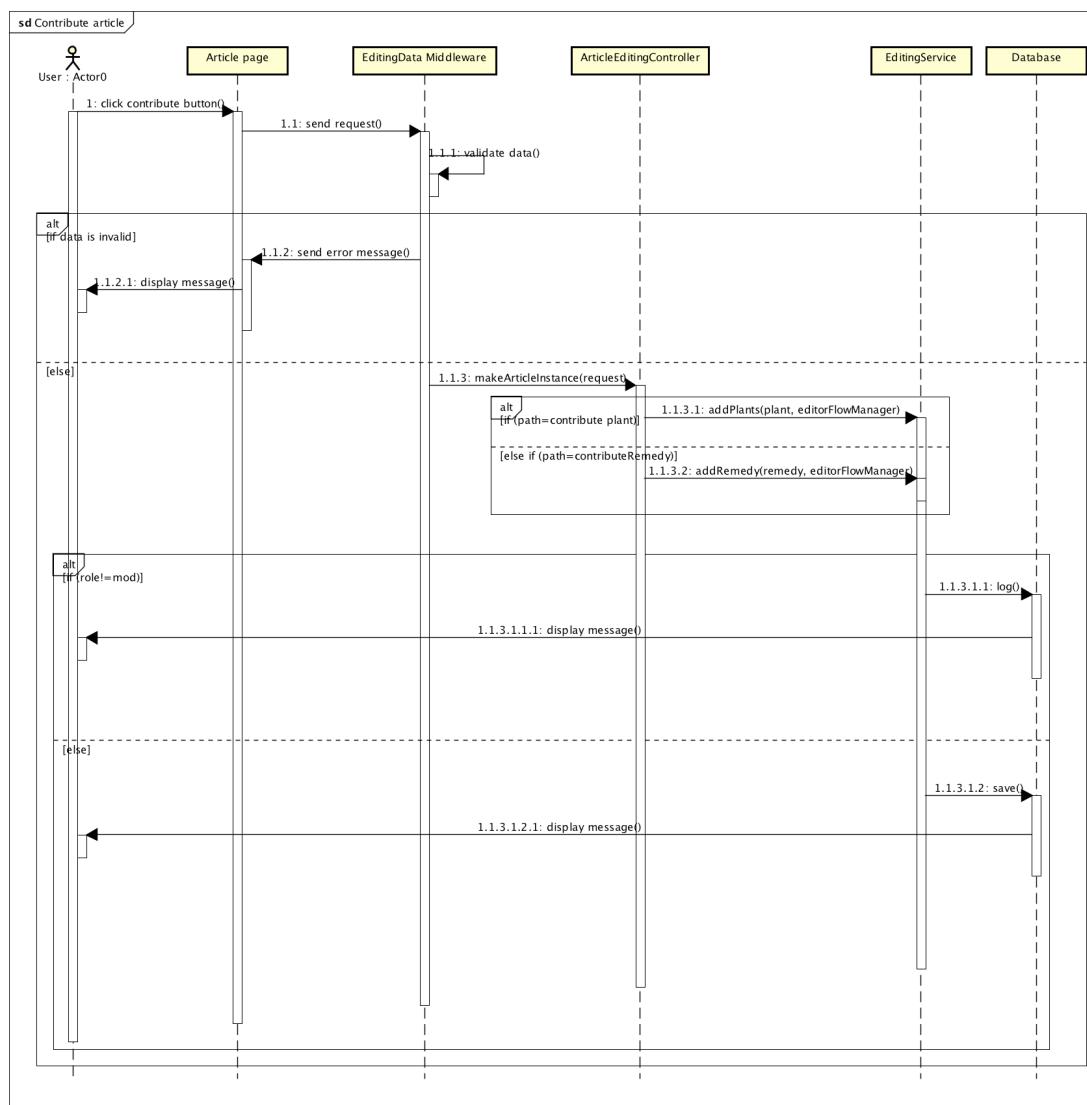


Figure 4-21: Edit article sequence diagram

5.4.5.9 Report

5.4.5.9.1 Class Diagram

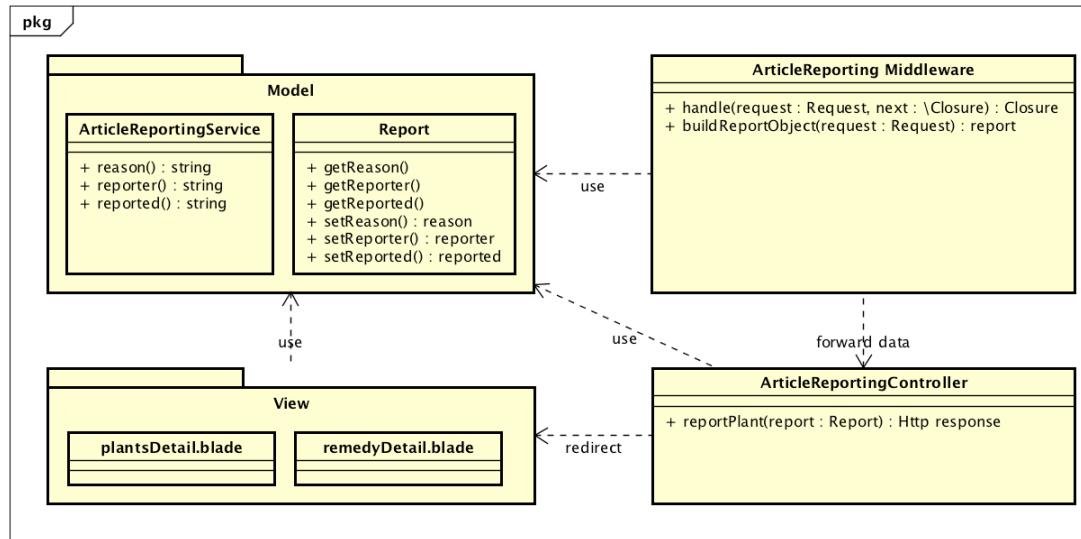


Figure 5-14: Report class diagram

5.4.5.9.2 Sequence Diagram

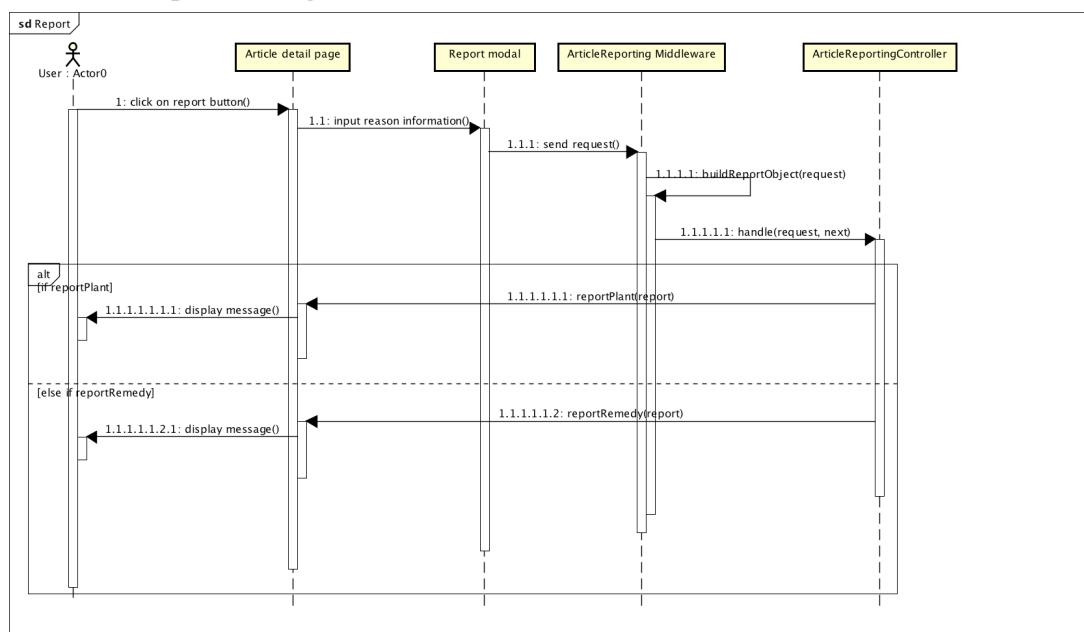


Figure 5-15: Report sequence diagram

5.4.5.10 Review

5.4.5.10.1 Class Diagram

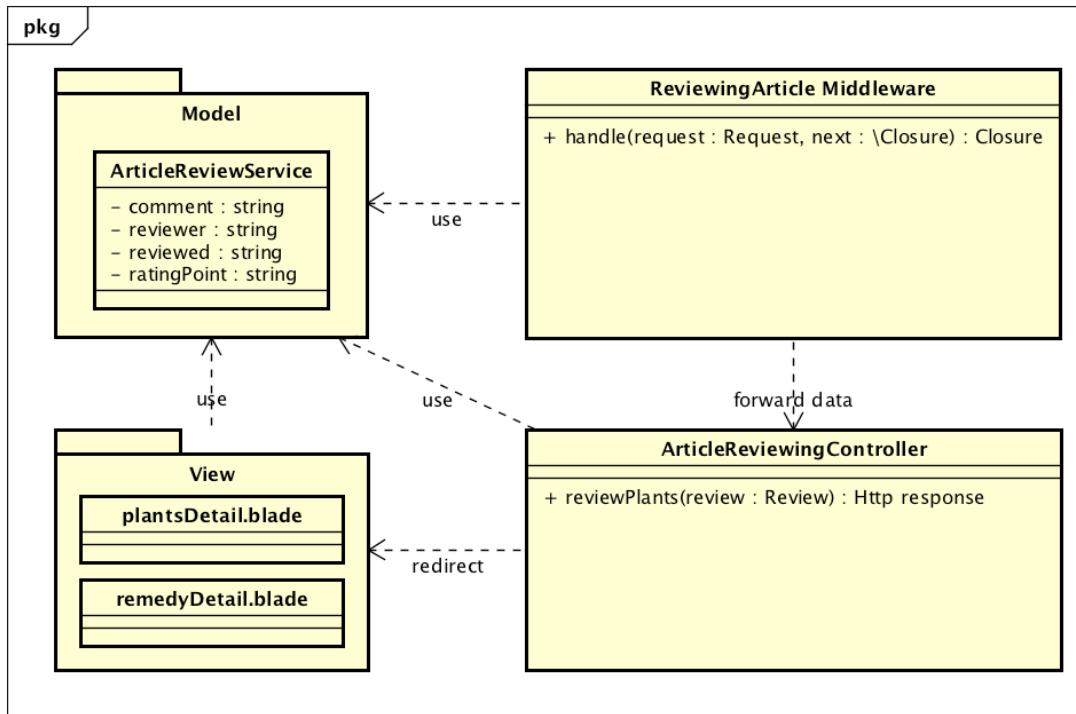


Figure 5-16: Review class diagram

5.4.5.10.2 Sequence Diagram

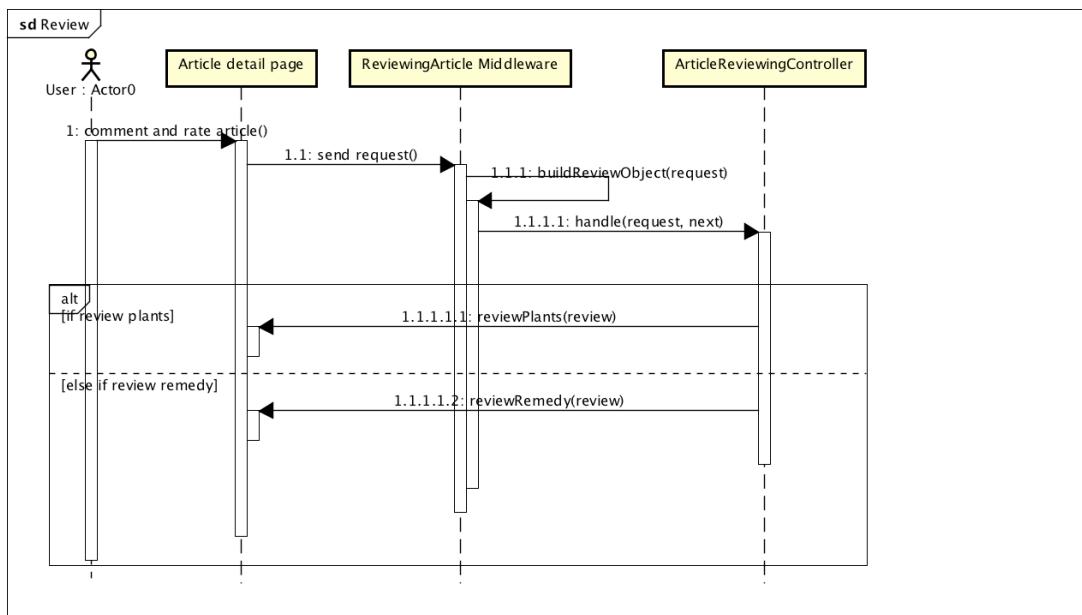


Figure 5-17: Review sequence diagram

5.4.5.11 Admin Proceed

5.4.5.11.1 Class Diagram

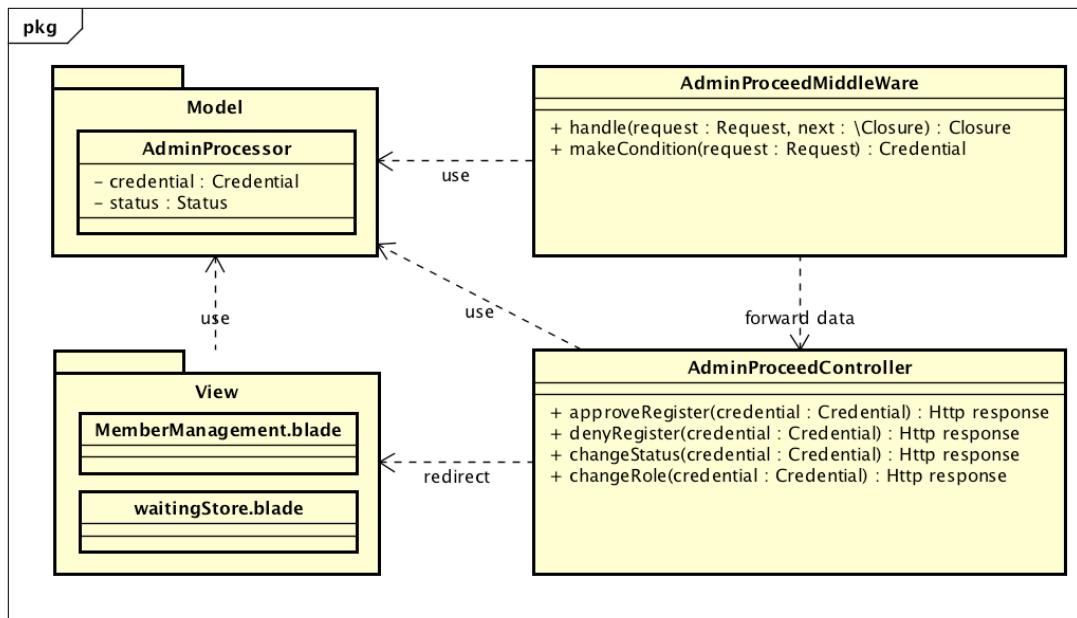


Figure 5-18: Admin Proceed class diagram

5.4.5.11.2 Sequence Diagram

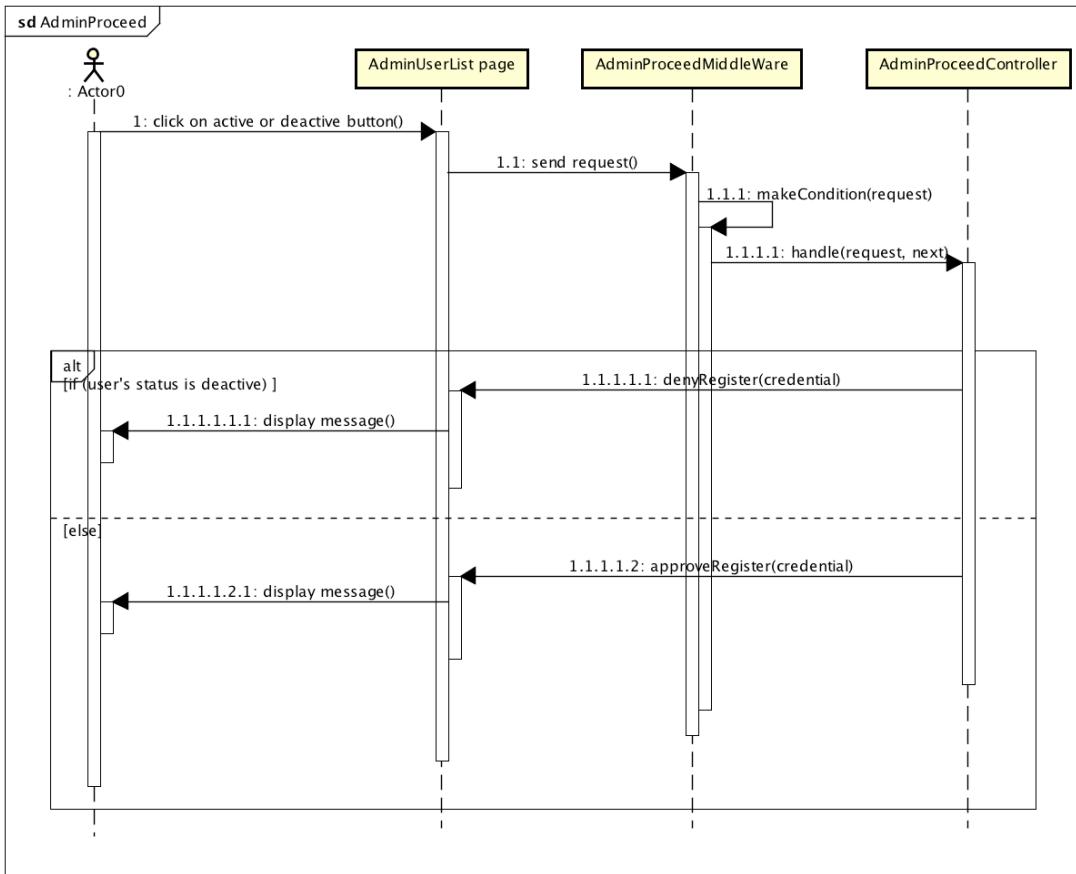


Figure 5-19: Admin Proceed sequence diagram

5.4.5.12 Mod Proceed

5.4.5.12.1 Class Diagram

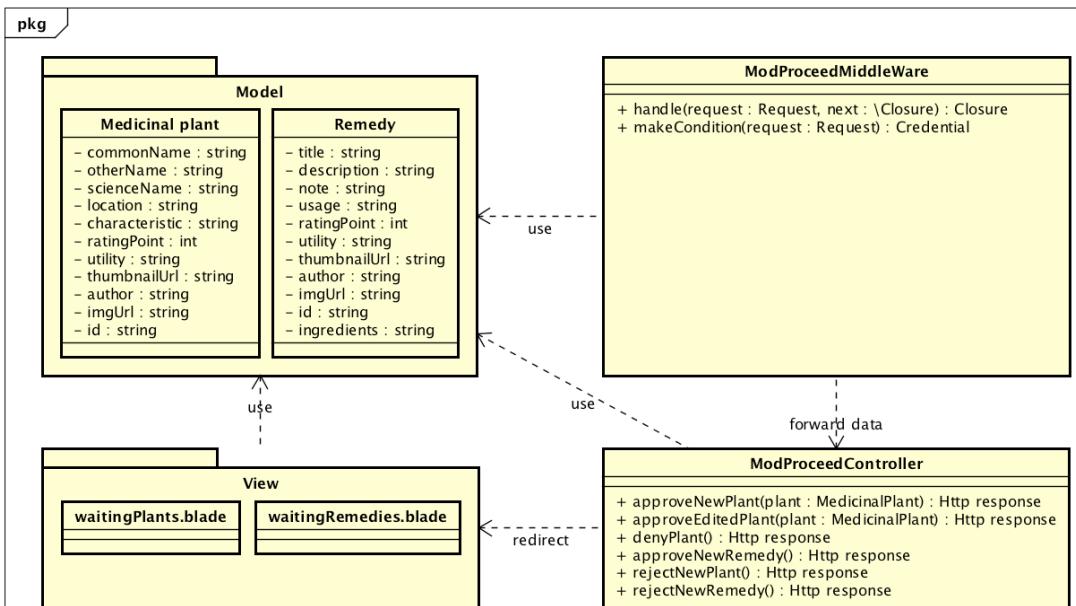


Figure 5-20: Mod Proceed class diagram

5.4.5.12.2 Sequence Diagram

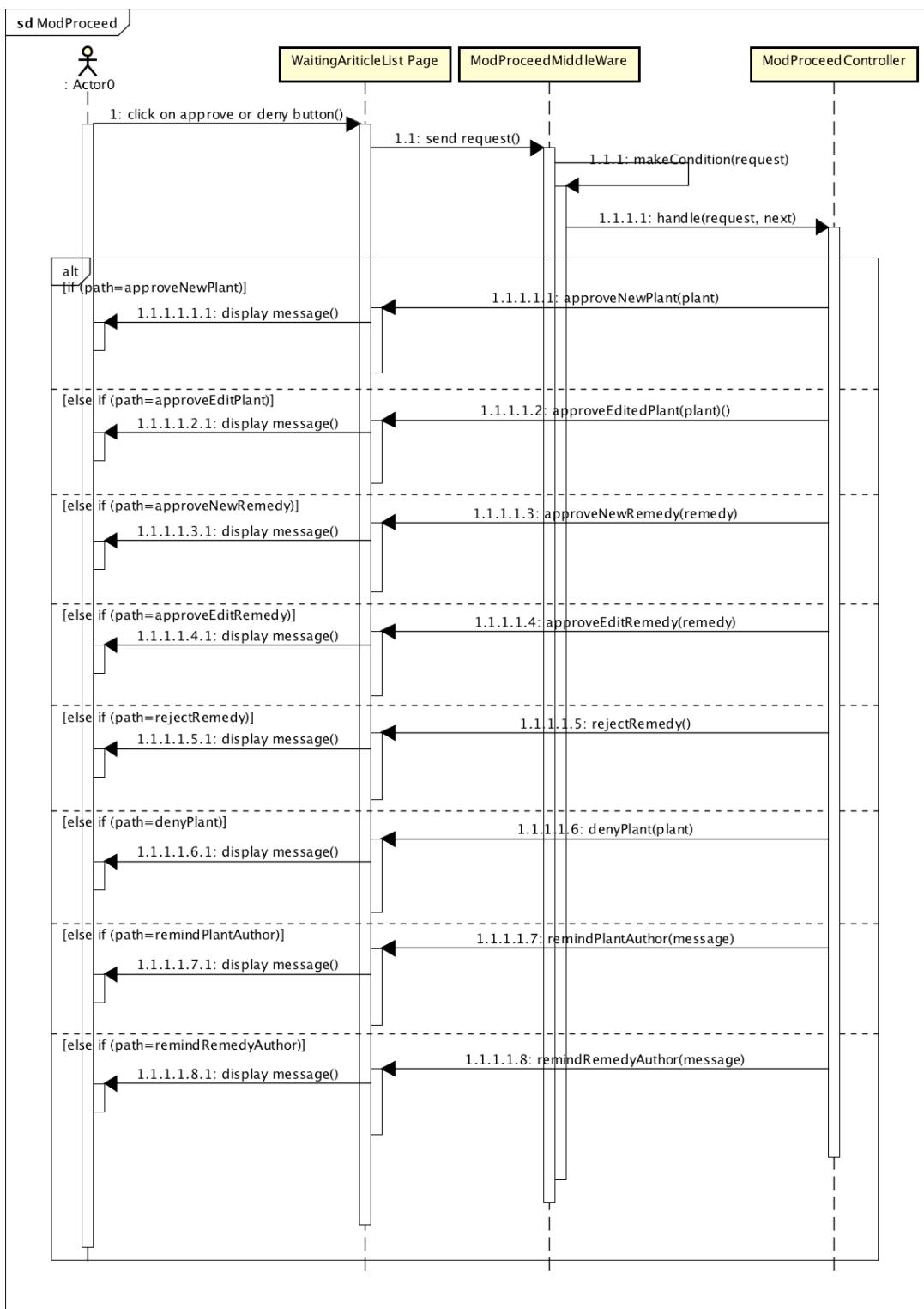


Figure 5-21: Mod Proceed sequence diagram

5.5 Data design

5.5.1 Entity Relationship Diagram

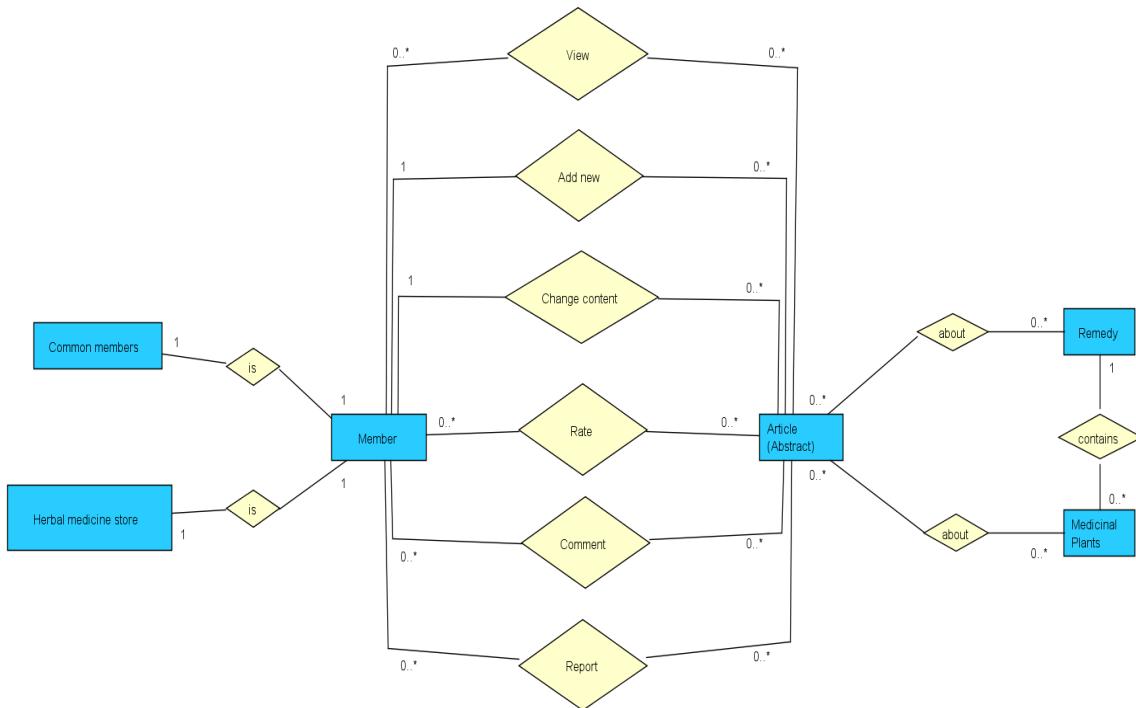


Figure 4-22: Entity Relationship Diagram

5.5.1.1 Entity description

No	Entity	Description
1	Member	User are all people who using VMN feature
2	Article	An article which user created, includes content, photo to describe the medicinal plants/remedy.
3	Common members	User is not herbal medicine store
4	Herbal medicine store	User(special) can register to show all store's information (Remedy/medicinal plants/location/contact)
5	Remedy	An article describe the remedy
6	Medicinal plants	An article describes the medicinal plants

Table 4-5: Entity description

5.5.1.2 Relationship

No	Relation	Properties	From	To	Description
1	CONTAINS	None	Remedy	Medicinal	A remedy contains many

				plants	medicinal plants
2	IS	None	Members	Common members	User is a Common member
3	IS	None	Members	Herbal medicine store	User is a Herbal medicine store
4	ABOUT	None	Article	Remedy	An article which content about remedy
5	ABOUT	None	Article	Medicinal plants	An article which content about medicinal plants
6	COMMENT	MemberID ArticleID	Members	Article	Action comment which user comment their opinion to article
7	BASIC SEARCH	MemberID ArticleID	Members	Article	Action search an article by username
8	ADVANCE SEARCH	MemberID ArticleID	Members	Article	Action search an article by multiple conditions of user
9	REPORT	MemberID ArticleID	Members	Article	Action report which user report an article
10	ADD NEW	None	Members	Article	Action add new an article which user contribute a new article
11	REPORT	MemberID ArticleID	Members	Article	Action report which User report an article
12	CHANGE CONTENT	MemberID ArticleID	Members	Article	Action Change which user changed an article
13	RATE	MemberID ArticleID	Members	Article	Action rate which user rate an article

Table 4-6: Relationship description

5.5.2 Table Diagram

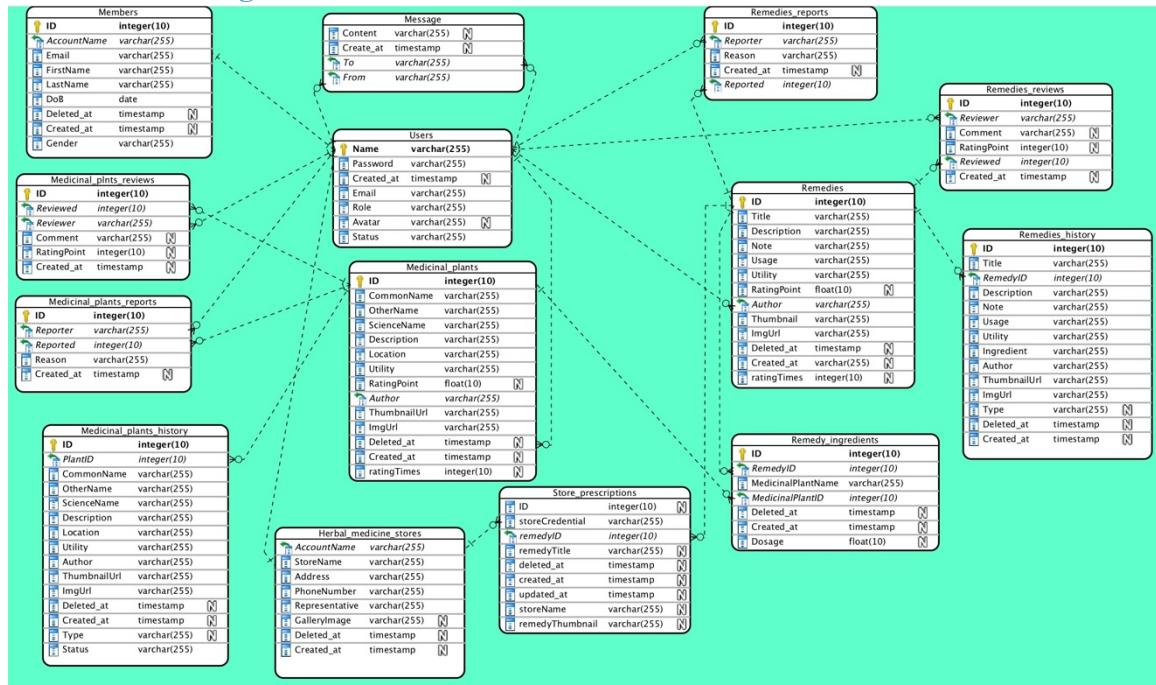


Figure 4-23: Table Diagram

5.5.2.1 Users table

No	Field Name	Type	Allow Null	Description
12	Name	String	No	User's name
13	Password	String	No	User's password
14	Created_at	Timestamps		The time that account was created
15	Email	String	No	User's email
16	Role	String	No	Member's role
17	Avatar	String		Link to avatar
18	Status	String	No	Member's status

Table 4-7: User table

5.5.2.2 Message table

No	Field Name	Type	Allow Null	Description
11	From	String	No	Sender

12	To	String	No	Receiver
13	Created_at	Timestamps		The time that message was created
14	Content	String		Content of message

Table 4-8: Message table**5.5.2.3 Medicinal_plants table**

No	Field Name	Type	Allow Null	Description
4	ID	int	No	Medicinal plant's ID
5	CommonName	String	No	Medicinal plant's Common Name
6	OtherName	String	No	Medicinal plant's Other Name
7	ScienceName	String	No	Medicinal plant's Science Name
8	Description	String	No	Medicinal plant's Description
9	Location	String	No	Medicinal plant's Location
10	Utility	String	No	Medicinal plant's Utility
11	RatingPoint	Float		Medicinal plant's RatingPoint
12	Author	String	No	Medicinal plant's Author
13	ThumbnailUrl	Text	No	Link to thumbnail image
14	ImgUrl	Text	No	Links to medicinal plant's image
15	Deleted_at	Timestamps		The time that medicinal plant was deleted
16	Created_at	Timestamps		The time that medicinal plant was created
17	ratingTimes	Int		The time for rate

Table 4-9: Medicinal_plants table**5.5.2.4 Remedy table**

No	Field Name	Type	Allow Null	Description
1	ID	Int	No	Remedy's ID

2	Title	String	No	Remedy's Title
3	Description	String	No	Remedy's Description
4	Note	String	No	Remedy's Note
5	Usage	String	No	Remedy's Usage
6	Utility	String	No	Remedy's Utility
7	RatingPoint	Float		Remedy's RatingPoint
8	Author	String	No	Remedy's Author
9	ThumbnailUrl	Text	No	Link to thumbnail image
10	ImgUrl	Text	No	Links to remedy's image
11	Deleted_at	Timestamps		The time that remedy was deleted
12	Created_at	Timestamps		The time that remedy was created
13	ratingTimes	Int		The time for rate

Table 4-10: Remedy table**5.5.2.5 Remedy_ingredients table**

No	Field Name	Type	Allow Null	Description
1	ID	Int	No	Primary key of table
2	RemedyID	Int	No	Remedy's ID
3	MedicinalPlantID	Int	No	Medicinal plant's ID
4	MedicinalPlantName	String	No	Medicinal plant's Name
5	Dosage	Float	No	Dosage of medicinal ingredients
6	Deleted_at	Timestamps		The time that record was deleted
7	Created_at	Timestamps		The time that record was created

Table 4-11: Remedy_ingredients table

5.5.2.6 Member table

No	Field Name	Type	Allow Null	Description
1	ID	Int	No	Member's ID
2	AccountName	String	No	Member's Account Name
3	Email	String	No	Member's Email
4	FirstName	String	No	Member's First Name
5	LastName	String	No	Member's Last Name
6	DoB	Date	No	Member's Date Of Birth
7	Deleted_at	Timestamps		The time that account was deleted
8	Created_at	Timestamps		The time that account was created
9	Gender	String	No	Member's Gender

Table 4-12: Member table

5.5.2.7 Medicinal_plants_history table

No	Field Name	Type	Allow Null	Description
1	ID	Int	No	Primary key of table
2	CommonName	String	No	Medicinal plant's CommonName
3	OtherName	String	No	Medicinal plant's Other Name
4	ScienceName	String	No	Medicinal plant's Science Name
5	Description	String	No	Medicinal plant's Characteristic
6	Location	String	No	Medicinal plant's Location
7	Utility	String	No	Medicinal plant's Utility
8	Author	String	No	Medicinal plant's Author
9	ThumbnailUrl	Text	No	Link to thumbnail image
10	ImgUrl	Text	No	Links to Medicinal plant's image
11	Deleted_at	Timestamps		The time that log was deleted

12	Created_at	Timestamps		The time that log was created
13	Type	String		Type of log (add or edit)
14	Status	String	No	Save type that is edited
15	PlantId	String	No	Medicinal plant's ID (for type = edit)

Table 4-1: Medicinal_plants_history table**5.5.2.8 Medicinal_plants_review table**

No	Field Name	Type	Allow Null	Description
1	ID	Int	No	Primary key of table
2	Reviewed	Int	No	Medicinal plant's Reviewed from Member
3	Reviewer	String	No	Medicinal plant's Reviewer
4	Comment	LongText		Medicinal plant's Comment from Member
5	RatingPoint	Int		Medicinal plant's Rating point from Member
6	Created_at	Timestamps		The time that log was created

Table 4-13: Medicinal_plants_review table**5.5.2.9 Medicinal_plants_reports table**

No	Field Name	Type	Allow Null	Description
1	ID	Int	No	Primary key of table
2	Reporter	String	No	Medicinal plant's Reporter
3	Reported	Int	No	Medicinal plant's Reported from Member
4	Reason	LongText	No	Medicinal plant's Reason from Member
5	Created_at	Timestamps		The time that log was created

Table 4-14: Medicinal_plants_reports table**5.5.2.10 Remedies_history table**

No	Field Name	Type	Allow	Description

			Null	
1	ID	int	No	Primary key of table
2	Title	String	No	Remedy's Title
3	RemedyId	Int	No	Remedy's ID
4	Description	String	No	Remedy's Description
5	Note	String	No	Remedy's Note
6	Usage	String	No	Remedy's Usage
7	Utility	String	No	Remedy's Utility
8	Ingredient	String	No	Medicinal plants that is contained in this remedy
9	Author	String	No	Remedy's Author
10	ThumbnailUrl	Text	No	Link to thumbnail image
11	ImgUrl	Text	No	Links to remedy's image
12	Type	String		Type of log (add or edit)
13	Deleted_at	Timestamps		The time that log was deleted
14	Created_at	Timestamps		The time that log was created

Table 4-15: Remedies_history table**5.5.2.11 Remedies_review table**

No	Field Name	Type	Allow Null	Description
1	ID	Int	No	Primary key of table
2	Reviewed	Int	No	Remedy's Reviewed from Member
3	Reviewer	String	No	Remedy's Reviewer
4	Comment	LongText		Remedy's Comment from Member
5	RatingPoint	Int		Remedy's Rating point from Member
6	Created_at	Timestamps		The time that log was created

Table 4-16: Remedies_review table**5.5.2.12 Remedies_reports table**

No	Field Name	Type	Allow Null	Description
1	ID	int	No	Primary key of table
2	Reporter	String	No	Remedy's Reporter
3	Reported	Int	No	Remedy's Reported from Member
4	Reason	LongText	No	Remedy's Reason from Member
5	Created_at	Timestamps		The time that log was created

Table 4-17: Remedies_reports table**5.5.2.13 Herbal_medicine_store table**

No	Field Name	Type	Allow Null	Description
1	AccountName	String	No	Herbal medicine store's Account Name
2	StoreName	String	No	Herbal medicine store's Name
3	Address	String	No	Herbal medicine store's Address
4	Phonenumber	String	No	Herbal medicine store's Phone number
5	Representative	String	No	Herbal medicine store's Representative
6	GalleryImage	String		Herbal medicine store's Image
7	Deleted_at	Timestamps		The time that Herbal medicine store was deleted
8	Created_at	Timestamps		The time that Herbal medicine store was created

Table 4-18: Herbal_medicine_store table**5.5.2.14 Store_prescription table**

No	Field Name	Type	Allow Null	Description
1	ID	int	No	Primary key of table

2	StoreCredential	String		Herbal medicine store's Account
3	RemedyID	int		Remedy's ID
4	RemedyTitle	String		Remedy's Title
5	storeName	String		Herbal medicine store's Account
6	remedyThumbnail	String		Link to Remedy's thumbnail
7	Deleted_at	Timestamps		The time that record was deleted
8	Created_at	Timestamps		The time that record was deleted
9	Updated_at	Timestamps		The time that record was deleted

Table 4-19: Store_prescription table

5.6 Screen Design

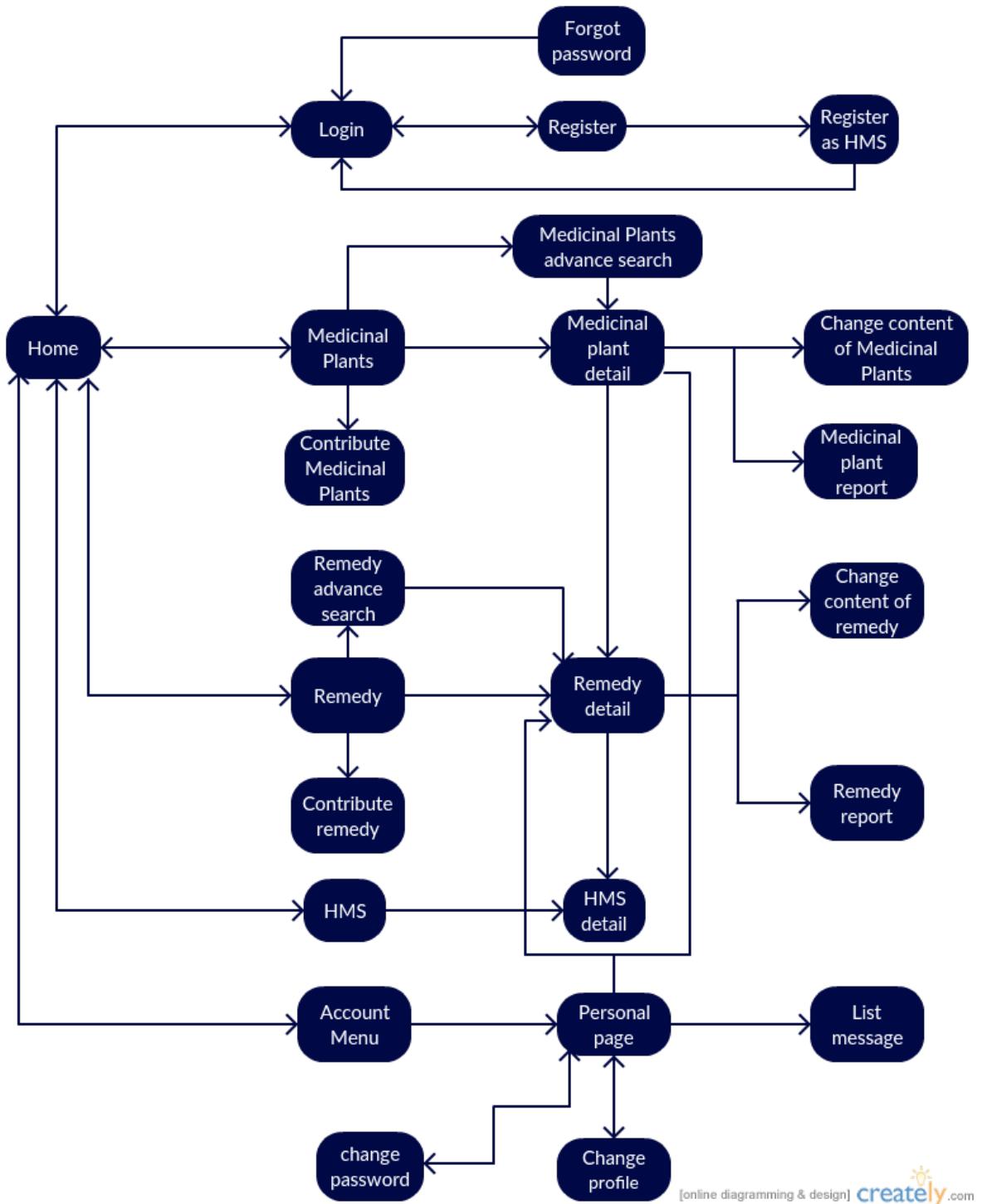


Figure 5-22: Screen flow

5.6.1 Register

5.6.1.1 Normal Account

Đăng Ký Tài Khoản

Tên

Họ

Giới tính

Ngày sinh

Tên đăng nhập

Email

Mật khẩu

Nhập lại mật khẩu

Tạo tài khoản

Đăng ký nhà thuốc

Bạn đã có tài khoản? [Đăng Nhập](#)

Figure 5-23: Register normal account screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1	Register Account	Đăng ký tài khoản	Label		Y		Display register form
2	Last name	Họ	Textbox	Type	Y	8-20	
3	First name	Tên	Textbox	Type	Y	8-20	Name of user
4	Account	Tên tài khoản	Textbox	Type	Y	8-20	Account of user
5	Email	Hòm thư điện tử	Email		Y		Email of user
6	Password	Mật khẩu	Password		Y	8-20	Password of user's account
7	Confirm Password	Nhập lại mật khẩu	Password		Y	8-20	Confirm password of user
8	Register as Herbal medicine store	Đăng ký tài khoản nhà thuốc	Hyperlink	Click	Y		User register as a new Herbal medicine store account
9	Sign up	Đăng ký	Button	Click	Y		Click to register a new account

5.6.1.2 Herbal medicine store account

Đăng Ký Nhà Thuốc

Tên đăng nhập	Tên nhà thuốc
Email	Địa chỉ
Mật khẩu	Số điện thoại
Nhập lại mật khẩu	Người đại diện

Đăng ký nhà thuốc

Bạn đã có tài khoản? [Đăng Nhập](#)

Figure 5-24: Register herbal medicine store account screen

No	Field name	Field name in	Type	Require	Mandato ry	Max- Length	Description
----	------------	---------------	------	---------	------------	-------------	-------------

		Vietnamese					
10	Register	Đăng ký	Label		Y		Display register form
11	Login with Facebook	Đăng nhập với facebook	Button	Click	Y		Login with facebook
12	Username	Tên tài khoản	Text box	Type	Y	8-20	Username of user
13	Password	Mật khẩu	Text box	Type	Y	8-50	Password of user
14	Confirm Password	Nhập lại mật khẩu	Text box	Type	Y		User retype password
15	Email	Email	Textbox	Type	Y		Email of user
16	Full name	Tên đầy đủ	Textbox	Type	Y		Full name of user
17	Sign up	Đăng ký	Button	Click	Y		User register a new account
18	Login now	Đăng nhập ngay	Hyperlink	Click	Y		Login when user have an account

Table 4-20: Register herbal medicine store account screen

5.6.2 Login

Đăng Nhập Vào Hệ Thống

Email hoặc tài khoản

Mật khẩu

Ghi nhớ [Quên mật khẩu?](#)

Log in

Chưa có tài khoản? Đăng ký [tại đây](#)

Figure 4-24: Login screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Login	Đăng nhập	Label	Type	Y		Display text
2.	Email	Hòm thư điện tử	Email		Y		Email of registered user
3.	Password	Mật khẩu	Password		Y		Password of registered user
4.	Remember Me	Lưu đăng nhập	Check box	Click	Y		Click to save login information
5.	Forgot Password	Quên mật khẩu	Hyper link	Click	Y		Click to resend password to user
6.	Login	Đăng nhập	Button	Click	Y		Click to login
7.	Register now	Đăng ký ngay	Hyper link	Click	Y		Click to register when user have not an account

Table 4-21: Login screen

5.6.2.1 Forgot password

The screenshot shows a simple web form for password recovery. The title 'Quên mật khẩu' is at the top. Below it is a text input field with the placeholder 'Nhập địa chỉ email'. At the bottom is a large green button with the text 'Gửi'.

Figure 4-25: Forgot password screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Reset your password	Thiết lập lại mật khẩu	Label		Y		Display text
2.	Email	Hòm thư điện tử	Email		Y	20	Email address of user
3.	Send	Gửi mật khẩu	Button	Click	Y		Click to send

password reset email	mới tới email					new password to Email
-------------------------	---------------	--	--	--	--	-----------------------------

Table 4-22:Forgot password screen**5.6.3 Search****5.6.3.1 Basic Search**

Nhập tên cây thuốc để tìm kiếm	
--------------------------------	---

Figure 5-25: Basic Search Screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Search box	Ô tìm kiếm	Text	Type	Y	20	Search by medicinal plants keyword
2.	Search icon	Biểu tượng tìm kiếm	Button	Click	Y		Click to search medicinal plants

Table 5-1: Basic search screen**5.6.3.2 Advance Search Medicinal Plants**

TÌM KIẾM	DANH SÁCH CÂY THUỐC 8 Kết quả
<p>Đặc điểm: <input type="text"/></p> <p>Tên khoa học: <input type="text"/></p> <p>Công dụng: <input type="text"/></p> <p style="text-align: right;">Tìm kiếm</p>	<p>Ngải cứu ★★★★★</p>  <p>Là loại cỏ sống lâu năm, thân có rãnh dọc.Lá mọc so le không cuống, màu 2 mặt lá khác nhau, mặt trên nhẵn, màu lục sẫm.Mặt dưới trắng tro, có nhiều lông nhô</p> <p>Tía tô ★★★★★</p>  <p>Cây thảo, cao 0,5- 1m. Lá mọc đối, mép khía răng, mặt dưới tím tía, có khía hai mặt đều tía, nâu hay màu xanh lục có lông nhám. Hoa nhỏ màu trắng mọc thành xim co ở đầu cành, màu trắng hay tím, mọc đối, 4 tiêu nhọn không thò ra ngoài hoa. Quả bế, hình...</p>

Figure 5-26: Advance search medicinal plants screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Advance search	Tìm kiếm nâng cao	Label		Y		Display text
2.	Medicinal plants name	Tên cây thuốc	Text	Type	Y	20	Member, Mod type medicinal plants name
3.	Utility	Công dụng	Text	Type	Y	20	Member, Mod type utility
4.	Characteristic	Đặc điểm	Text	Type	Y	20	Member, Mod type characteristic
5.	Allocation place	Nơi phân bố	Text	Type	Y	20	Member, Mod type allocation place of medicinal plants
6.	Search	Tìm kiếm	Button	Click	Y		Click to search medicinal plants
7.	Reset	Nhập lại	Button	Click	Y		Click to reset all text area
8.	Result	Kết quả tìm kiếm cây thuốc	Label		Y		Display text
9.	Medicinal plants searching result	Danh sách cây thuốc	List		Y		Show medicinal plants as list by suitable keywords
10.	Detail	Chi tiết	Button	Click	Y		Click to show medicinal plants detail

Figure 5-27: Advance search medicinal plants screen

5.6.3.3 Advance Search Remedy

The screenshot shows a search interface for remedies. On the left, there's a green header bar with the text 'TÌM KIẾM'. Below it are two input fields: 'Công dụng:' (Usage) and 'Thành phần:' (Ingredients), each with a corresponding text input box. A green 'Tim kiem' (Search) button is located below these fields. To the right, the main area has a title 'DANH SÁCH BÀI THUỐC' and a red button '1 Kết quả' (1 result). The result card for 'Bài thuốc giúp an thai từ ngải cứu' (A remedy for pregnancy relief using red perilla leaves) features an image of green and purple leaves, a brief description, and a note about its safety during pregnancy.

Figure 4-26: Advance search remedy screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Advance search	Tìm kiếm nâng cao	Label		Y		Display text
2.	Remedy	Tên bài thuốc	Text	Type	Y	20	Member, Mod type remedy name
3.	Utility	Công dụng	Text	Type	Y	20	Member, Mod type utility
4.	Ingredients	Thành phần	Text	Type	Y	20	Member, Mod type element
5.	Search	Tìm kiếm	Button	Click	Y		Click to search remedy
6.	Reset	Nhập lại	Button	Click	Y		Click to reset all text area
7.	Result	Kết quả tìm kiếm bài thuốc	Label		Y		Display text
8.	Remedy searching result	Danh sách bài thuốc	List		Y		Show remedies as list by suitable keywords
9.	Detail	Chi tiết	Button	Click	Y		Click to show remedy detail

Table 4-23: Advance search remedy screen

5.6.4 Medicinal Plants

DANH SÁCH CÂY THUỐC

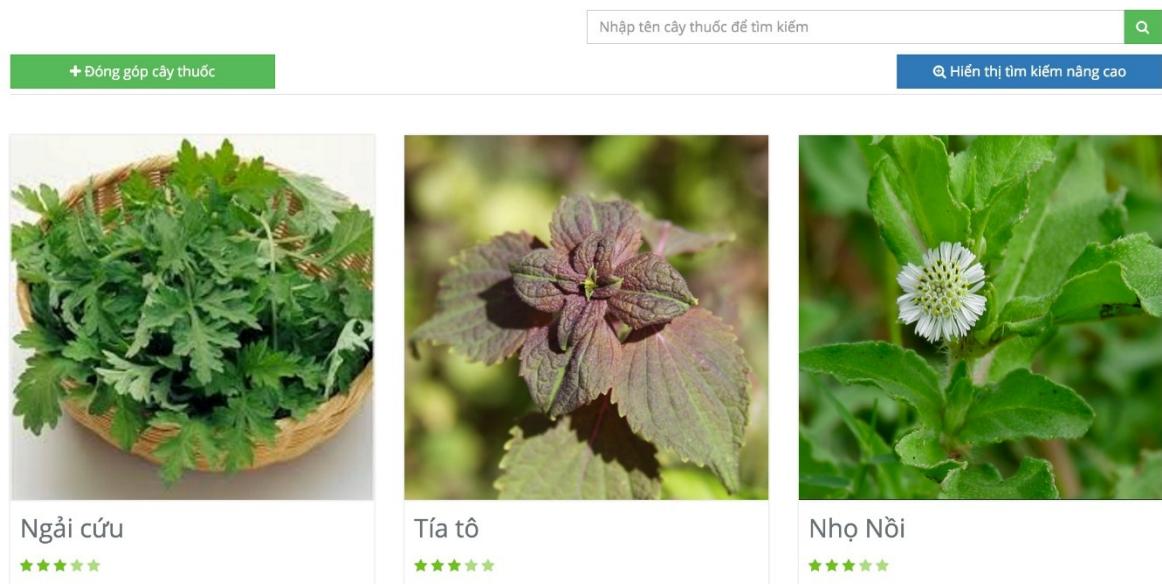
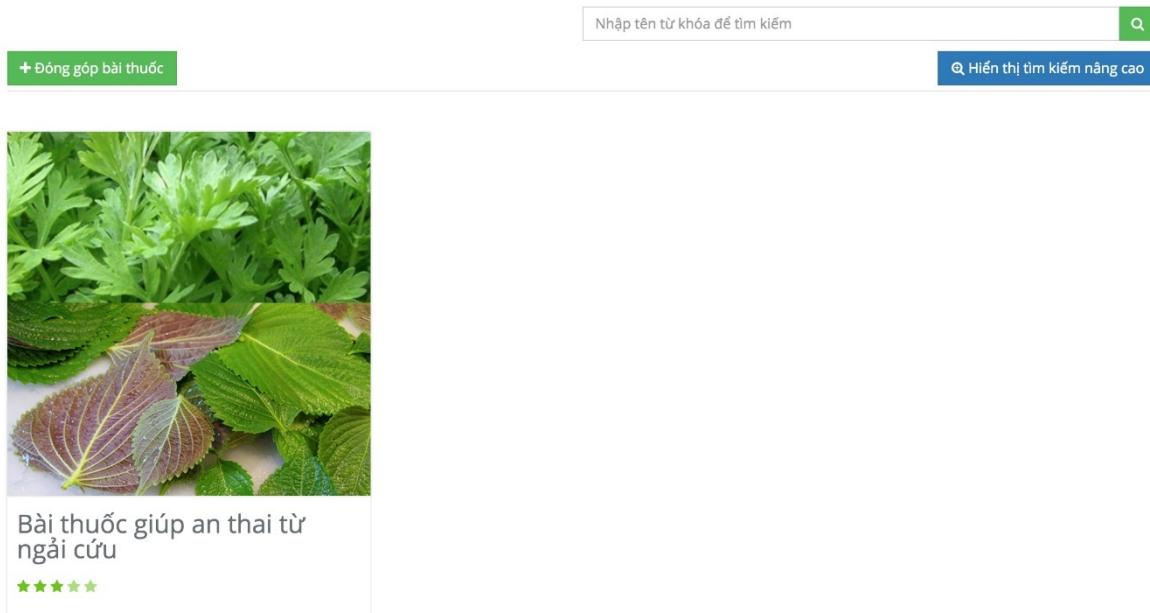


Figure 4-27: Medicinal Plants screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Banner	Quảng cáo	Picture		Y		
2.	Search box	Ô tìm kiếm	Text	Type	Y	20	Search by medicinal plants keyword
3.	Search icon	Biểu tượng tìm kiếm	Button	Click	Y		Click to search
4.	Contribute medicinal plants	Đóng góp cây thuốc	Button	Click	Y		Member, Mod click to contribute new medicinal plants article
5.	Medicinal plants list	Danh sách cây thuốc	List		Y		Show medicinal plants list
6.	Detail	Chi tiết	Button	Click	Y		Click to show medicinal plants article detail
7.	Paging bar	Thanh đánh số trang	Button	Click	Y		Click to select page

Table 4-24: Medicinal Plants screen**5.6.5 Remedy****DANH SÁCH BÀI THUỐC****Figure 5-28: Remedy screen**

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Banner	Quảng cáo	Picture		Y		
2.	Search box	Ô tìm kiếm	Text	Type	Y	20	Search by medicinal plants keyword
3.	Search icon	Biểu tượng tìm kiếm	Button	Click	Y		Click to search
4.	Contribute remedy	Đóng góp bài thuốc	Button	Click	Y		Member, Mod click to contribute new remedy article
5.	Remedy list	Danh sách bài thuốc	List		Y		Show remedy list
6.	Detail	Chi tiết	Button	Click	Y		Click to show a remedy article detail
	Paging bar	Thanh đánh số trang	Button	Click	Y		Click to select page

5.6.6 Herbal medicine store


[TRANG CHỦ](#) [CÂY THUỐC](#) [BÀI THUỐC](#) [NHÀ THUỐC](#)

TÌM KIẾM

Tên nhà thuốc:

Địa chỉ:

Số điện thoại:

Người đại diện:

DANH SÁCH NHÀ THUỐC 1 Kết quả

	NHÀ THUỐC ĐÔNG Y GIA TRUYỀN THỌ XUÂN ĐƯỜNG
	99 phố Või, Huyện Thường Tín, Thành Phố Hà Nội, Việt Nam
	04 3385 3321

[Tim kiem](#)
[Nhập lại](#)

Figure 5-29: Herbal medicine store screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Search herbal medicine store	Tìm kiếm nhà thuốc	Label		Y		Display text
2.	Herbal medicine store	Tên nhà thuốc	Text	Type	Y	20	Member, Mod type herbal medicine store's name
3.	Address	Địa chỉ nhà thuốc	Text	Type	Y	20	Member, Mod type address of herbal medicine store
4.	Search	Tìm kiếm	Button	Click	Y		Click to search herbal medicine store
5.	Reset	Nhập lại	Button	Click	Y		Click to reset all text area
6.	Herbal medicine store searching result	Kết quả tìm kiếm nhà thuốc	Label		Y		Display herbal medicine store searching result
7.	Herbal	Danh sách	List		Y		Show herbal

	medicine store list	nha thuoc					medicine store as list by suitable keywords
8.	Detail	Chi tiết	Button	Click	Y		Click to show Herbal medicine store detail

Table 4-25: Herbal medicine store screen**5.6.6.1 Herbal medicine store detail**
Figure 5-30: Herbal medicine store detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Contact information	Thông tin liên hệ	Label		Y		Show herbal medicine store Detail.
2.	Name	Tên	Textbox	Type	Y	20	Name of user to communicate with herbal medicine store
3.	Email	Thư điện tử	Email	Type	Y		Email of user

							to communicate with herbal medicine store
4.	Address	Nội dung	Text area	Type	Y	200	To write communicate content
5.	Phone	Điện thoại	Integer	Type	Y	15	To write HMS phone number

The screenshot shows a user interface for managing rewards. At the top, there are tabs: Thông tin cơ bản, Mức ủng hộ, Mô tả chi tiết, Lịch trình, and Cognitiv. The 'Mức ủng hộ' tab is active. A modal window titled 'Tạo mức ủng hộ mới' (Create new support amount) is open. Inside the modal, there are input fields for 'Mức ủng hộ mới' (with a note: 'Mức ủng hộ ít nhất là 10,000đ.'), 'Mô tả' (with a note: 'Mô tả cần ít nhất 10 kí tự và nhiều nhất là 135 kí tự.'), 'Thời gian giao hàng' (with a note: 'Tháng Mười Một 2015' and 'Ngày giao hàng cần đặt sau ngày hết hạn dự án.'), and 'Giới hạn' (with a note: 'Số lượng phải lớn hơn 0.'). At the bottom of the modal are 'Bảo lưu' (Save) and 'Tạo' (Create) buttons. The background shows a list of rewards with one item highlighted: 'Gói #1'.

Figure 4-28: Reward tab screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1	Reward tab	Tab mức ủng hộ	Tab	Click	Y		Display Reward edit form
2	List reward	List reward	List				List of reward
3	Add new reward	Tạo gói mới	Button	Click	Y		Add new reward
4	Hidden reward	Ẩn gói	Button	Click			Hidden a reward
5	Delete reward	Xóa gói	Button	Click			Delete a reward
6	Edit	Sửa gói	Button	Click			Edit a reward

	reward						
7	Popup edit,create reward	Popup Tạo và sửa gói	Popup				Popup create and edit reward
8	Reward pledge	Mức ủng hộ	Number		Y		Reward pledge
9	Reward description	Mô tả	Textarea		Y		Description of reward
10	Time ship	Thời gian giao hàng	Date		Y		Time ship of reward
11	Limit	Giới hạn					
12	Reward Type	Loại	Dropdownlist		Y		Type of reward: No reward, Limit, No limit
13	Create	Tạo	Button		Y		Create a reward
14	Cancel	Hủy (Bỏ)	Button		Y		Cancel the Create a reward
15	Save	Lưu	Button		Y		Save information of project
16	Reset	Khôi phục	Button		Y		Reset information of project

Table 4-26: Reward tab

5.6.7 Add new article

The screenshot shows the 'Add new article' form with the 'Chi tiết dự án' tab selected. The interface includes:

- Video dự án:** A section for uploading a video from YouTube or directly.
- Mô tả chi tiết:** A text area for describing the project, with a note that the description can be up to 135 kilobytes.
- Rich Text Editor:** Includes standard HTML tools like H1-H6, bold, italic, underline, and a word count of 0.
- Notes:** A note about Vufine being a small device with a 0.19-inch screen and a note about Google Glass.
- Image Preview:** A thumbnail image of a person wearing glasses and a Vufine device.

Figure 4-29: Story tab screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1	Story tab	Tab mô tả chi tiết	Tab	Click	Y		Display Story edit form
3	Project video	Video/Clip dự án	Video	Click			Display project video
4	Project description	Mô tả chi tiết dự án	Textarea		Y		Display description of project
5	Risk and challenges	Khó khăn và thử thách	Textarea		Y		Display risk and challenges of project
6	Save	Lưu	Button		Y		Save information of project
7	Reset	Khôi phục	Button		Y		Reset information of project

Table 4-27: Story tab

5.6.7.1 Add new medicinal plants

NHẬP THÔNG TIN CÂY THUỐC

Kéo thả file hoặc click để upload

Những thông tin có đánh dấu * là bắt buộc nhập.

Tên thường gọi:*

Tên khác:

Tên khoa học:*

Đặc điểm:*

Nơi phân bố:

Công dụng:*

Đăng

Figure 5-31: Add new medicinal plants

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Contribute new medicinal plants	Đóng góp cây thuốc mới	Label		Y		Display text
2.	background	Ảnh đại diện	Button	Click	Y		Click to up

							image of medicinal plants
3.	Name	Tên	Text	Type	Y	20	Name of medicinal plants
4.	Other name	Tên khác	Text	Type	Y	200	Other name of medicinal plants
5.	Science name	Tên khoa học	Text	Type	Y	20	Science name of medicinal plants
6.	Characteristic	Đặc tính	Text	Type	Y	200	Characteristic of medicinal plants
7.	Utility	Công dụng	Text	Type	Y	500	Utility of medicinal plants
8.	Example picture	Ảnh minh họa	Button	Click	Y		Click to up example picture of medicinal plants
9.	Note	Lưu ý	Text	Type	Y	500	Note for medicinal plants
10.	Allocation place	Nguồn gốc xuất xứ	Text	Type	Y	200	Allocation place of medicine plant
11.	Climatic condition	Điều kiện khí hậu nơi trồng	Text	Type	Y	200	Climatic condition of medicinal plants
12.	Post	Đăng	Button	Click	Y		Click to post medicinal plants new

Table 5-2: Add new medicinal plants screen

5.6.7.2 Add new remedy

NHẬP THÔNG TIN BÀI THUỐC

Những thông tin có đánh dấu * là bắt buộc nhập.

Kéo thả file hoặc click để upload ảnh

Tiêu đề:*

Thành phần:

Mô tả:

Cách dùng:*

Lưu ý:

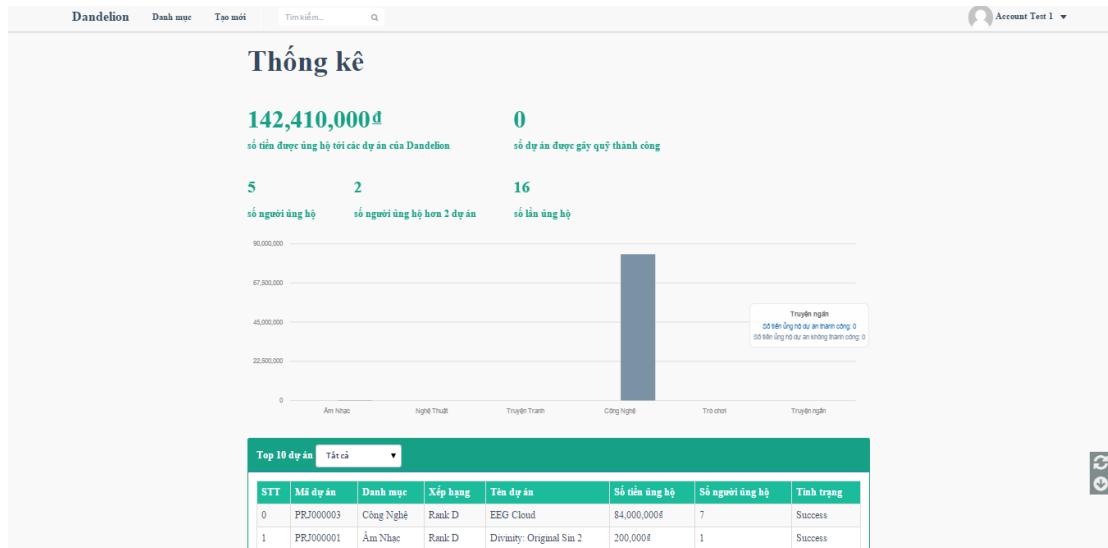
Công dụng:*

Đăng

Figure 5-32: Add new remedy screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Contribute new remedy	Đóng góp bài thuốc mới	Label		Y		Display text
2.	Background	Ảnh đại diện	Button	Click	Y		Click to up image of remedy
3.	Name	Tên	Text	Type	Y	20	Name of remedy
4.	Ingredients	Thành phần bài thuốc	Text	Type	Y	200	Ingredients of remedy
5.	Utility	Công dụng	Text	Type	Y	200	Utility of remedy
6.	Using	Cách sử dụng	Text	Type	Y	200	Using of remedy
7.	Making	Cách chế biến	Text	Type	Y	200	Making of remedy
8.	Example pictures	Ảnh minh họa	Text	Type	Y		Click to up example pictures
9.	Note	Lưu ý	Text	Type	Y	200	Note for remedy
10.	The origin	Nguồn gốc xuất xứ	Text	Type	Y	20	The origin of remedy
11.	Contribute	Đăng	Button	Click	Y		Click to

							postremedy new
--	--	--	--	--	--	--	-------------------

Table 5-3: Add new remedy screen**5.6.8 Edit article****Figure 4-30: Statistic screen**

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1	Statistic	Thống kê	Label		Y		Label of page
2	Total pledge	Tổng số tiền được ủng hộ	Label		Y		Display total pledge of projects in Dandelion
3	Total project	Tổng số dự án được gây quỹ thành công	Label		Y		Display total project success in Dandelion
4	Total backer	Tổng số người ủng hộ	Label		Y		Display total backer in Dandelion
5	Total backer more 2 times	Tổng số người ủng hộ 2 lần	Label		Y		Display total backer more 2 times in Dandelion
6	Total time backing	Tổng số lần ủng hộ	Label		Y		Display total time backing in Dandelion
7	Top 10 project	Top 10 dự án	Hyperlink	Click	Y		Top 10 project
8	Table top	Bảng Top 10 dự	Table		Y		Table top 10

	10 project	án					project
9	Top 10 backer	Top 10 người ủng hộ	Hyperlink	Click	Y		Top 10 backer
10	Table top 10 backer	Bảng Top 10 người ủng hộ	Table		Y		Table top 10 backer
11	Top 10 creator	Top 10 người gây quỹ	Hyperlink	Click	Y		Top 10 creator
12	Table top 10 creator	Bảng Top 10 người gây quỹ	Table		Y		Table top 10 creator

Table 4-28: Statistic**5.6.8.1 Edit medicinal plants**



NHẬP THÔNG TIN CÂY THUỐC

Tên thường gọi:	Nhỏ Nồi
Tên khác:	Cỏ mực, hàn liên thảo
Tên khoa học:	Eclipta prostrata
Đặc điểm:	Cây cỏ, sống một hay nhiều năm, mọc đứng hay mọc bò, cao 30-40 cm.Thân màu lục hoặc đỏ tía, phình lên ở những mấu, có lông cứng.Lá mọc đối, gân như không cuộn, mép khía răng rất nhỏ; hai mặt lá có
Nơi phân bố:	châu Âu, châu Á, bắc Phi, Alaska và bắc Mỹ
Công dụng:	Chữa chảy máu bên trong và bên ngoài, rong kinh, bã

Gửi chỉnh sửa

Figure 5-33: Edit medicinal plants

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Picture	Ảnh	Image		Y		Show medicinal plants picture
2.	Edit	Chỉnh sửa	Button	Click	Y		Click edit to edit medicinal article
3.	Medicinal plants picture	Ảnh cây thuốc	Picture	Type	Y		Show plant picture
4.	Name	Tên cây thuốc	Text	Type	Y	8-20	Show plant name
5.	Other name	Tên khác	Text	Type	Y	8-200	Show other name
6.	Science name	Tên khoa học	Text	Type	Y	8-200	Show science name

7.	Description	Miêu tả	Text	Type	Y	500	Show plant shape
8.	Characteristic	Đặc tính	Text	Type	Y	500	Show plant characteristic
9.	Allocation place	Nơi trồng	Text	Type	N	8-20	Show allocation place
10.	Utility	Công dụng	Text	Type	Y	500	Show plant utility
11.	Save	Lưu	Button	Click	Y		User click save to update medicinal article

Table 5-4: Edit medicinal plants screen**5.6.8.2 Edit remedy**

The screenshot shows a user interface for editing a remedy. At the top, there's a note: "Kéo thả file hoặc click để upload ảnh". Below it, a section says "Những thông tin có đánh dấu * là bắt buộc nhập". The main form contains the following fields:

- Tiêu đề:**
- Thành phần:**
- Mô tả:**
- Cách dùng:**
- Lưu ý:**
- Công dụng:**

At the bottom right is a green "Đăng" button.

Figure 5-34: Edit remedy

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Picture	Ảnh	Image		Y		Show remedy picture
2.	Edit	Chỉnh sửa	Button	Click	Y		Click edit to edit medicinal article
3.	Ingredients	Thành phần	Text area	Type	Y	500	Element of remedy article
4.	Making	Cách làm	Text area	Type	Y	500	Show how to make
5.	Note	Chú ý	Text area	Type	Y	500	Note when using
6.	Usage	Cách dùng	Text area	Type	Y	500	Show how to use
7.	Author	Tác giả	Text	Type	Y	8-20	Author of remedy

			area				article
8.	Save	Luu	Button	Click	Y		User click save to update medicinal article

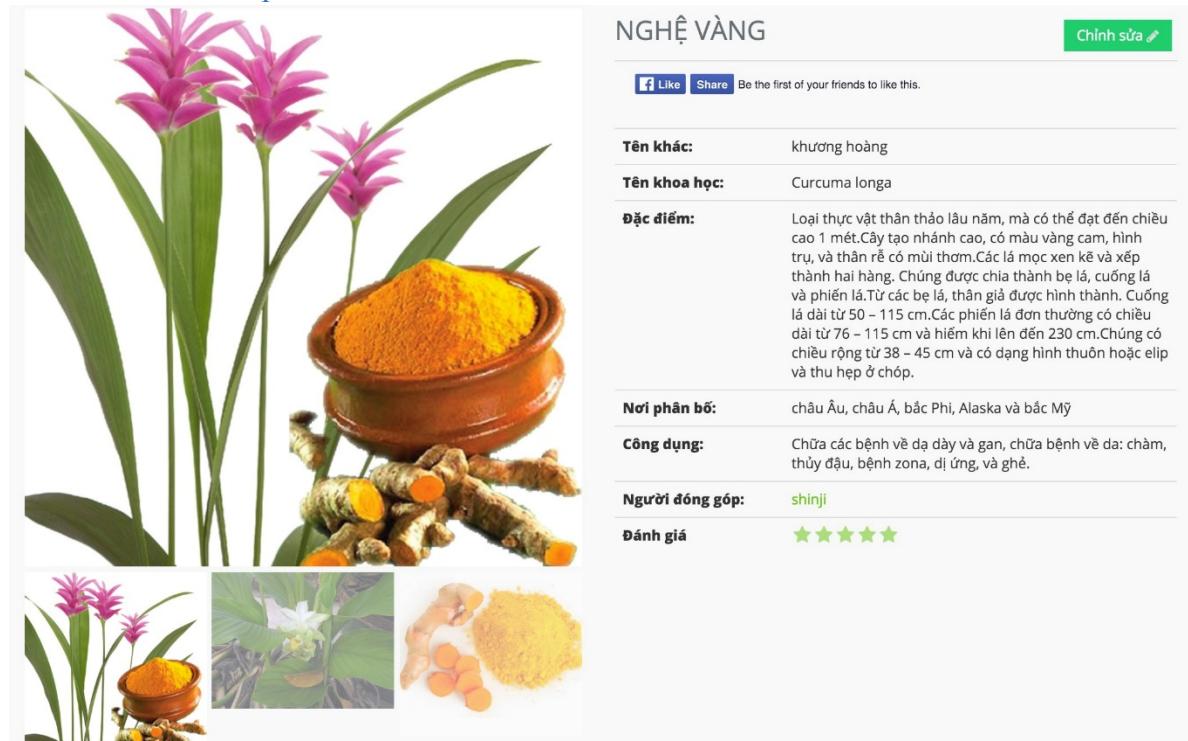
Table 5-5: Edit remedy screen**5.6.9 Article detail**

Thông tin Cập nhật Bình luận Tiết trình

Thông tin cập nhật (3)

Figure 4-31: Update tab screen

N o	Field name	Field name in Vietnamese	Type	Require	Manda tory	Max- Length	Description
1	List updates	Danh sách các cập nhật	List		Y		Display list updates

Table 4-29: Update tab**5.6.9.1 Medicinal plants detail****Figure 5-35: Medicinal plants detail**

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Information of medicinal plants	Thông tin cây thuốc	Label		Y		Display text
2.	Name	Tên thường gọi	Text	Type	Y		Name of medicinal plants
3.	Other name	Tên khác	Text	Type	Y		Other name of medicinal plants
4.	Science name	Tên khoa học	Text	Type	Y		Science name of medicinal plants
5.	Characteristic	Đặc điểm	Text	Type	Y		Characteristic of medicinal plants
6.	Allocation place	Nơi phân bố	Text	Type	Y		Allocation place of medicine plant
7.	Utility	Công dụng	Text	Type	Y		Utility of medicinal plants
8.	Rate	Đánh giá	Rating	Click	Y		Click to assessing the quality of medicinal plants
10.	Author	Tác giả	Text	Type	Y		Author of medicinal plants
11.	Report	Báo cáo	Button	Click	Y		Click to report medicinal plants
12.	Edit	Chỉnh sửa	Button	Click	Y		Click to edit medicinal plants
13.	Related Remedy	Bài thuốc liên quan	Hyperlink	Click	Y		Click to show related remedy
14.	Comment	Bình luận	Label		Y		Display text
15.	Write	Viết bình	Text Area	Type	Y	200	Write

	comment	luận					comment for medicinal plants
16.	Post	Đăng	Button	Click	Y		Click to post comment

Table 5-6: Medicinal plants detail screen**5.6.9.2 Remedy detail**



NỘI DUNG BÀI THUỐC

[Chỉnh sửa](#)

[Like](#) [Share](#) Be the first of your friends to like this.

Tiêu đề:	Bài thuốc giúp an thai từ ngải cứu
Thành phần:	[Ngải cứu] [Tía tô]
Mô tả:	nếu thấy có hiện tượng đau bụng, ra máu, dùng 16gr lá ngải cứu, 16gr lá tía tô, sắc cùng với 600ml nước, sắc còn 100ml.
Cách dùng:	Chia làm 3-4 lần uống/ngày
Lưu ý:	Ngải cứu không có tác dụng kích thích với tử cung có thai nên không gây sảy thai.
Công dụng:	An thai
Người đóng góp:	shinji
Đánh giá	★★★★★





Figure 5-36: Remedy detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Information of remedy	Thông tin bài thuốc	Label		Y		Display text
2.	Ingredients	Thành phần	Text	Type	Y	200	Ingredients of remedy
3.	Making	Cách chế biến	Text	Type	Y	200	Making of remedy
4.	Note	Lưu ý	Text	Type	Y	200	Note for remedy
5.	Using	Cách sử dụng	Text	Type	Y	200	Using of remedy

6.	Rate	Đánh giá	Rating	Click	Y		Click to assessing the quality of remedy
7.	Author	Tác giả	Text	Type	Y		Author of remedy
8.	Related herbal medicine store	Nhà thuốc liên quan	Hyperlink	Click	Y		Click to show related herbal medicine store
9.	Comment	Bình luận	Label		Y		Display text
10.	Write comment	Viết bình luận	Text Area	Type	Y	200	Write comment for medicinal plants
11.	Post	Đăng	Button	Click	Y		Click to post comment

Table 5-7: Remedy detail screen**5.6.10 Report**

Báo cáo vi phạm

x

Nhập nguyên nhân

Gửi báo cáo

Figure 5-37: Report screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Report	Báo cáo	Label		Y		Display text
2.	Report content	Nội dung báo cáo	Text area	Type	Y	50	Content of Report
3.	Send	Gửi	Button	Click	Y		Click to send report

Table 5-8: Report screen

5.6.11 Account menu

5.6.11.1 User profile

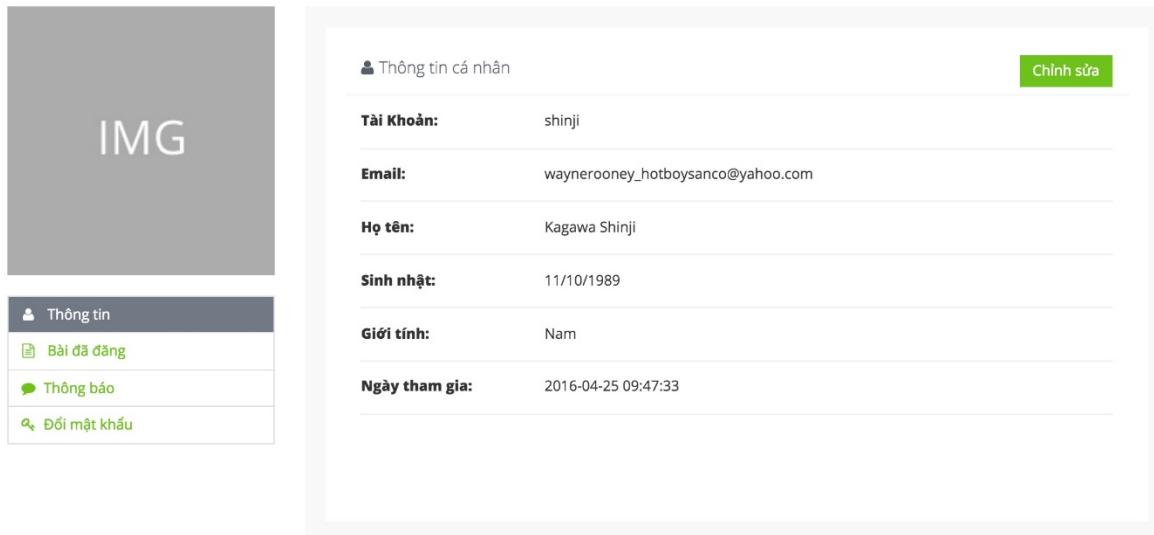


Figure 5-38: User profile screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Picture	Ảnh đại diện	Image		Y		Show remedy picture
2.	User Information	Thông tin cá nhân	Label		Y		Display text
3.	Edit	Chỉnh sửa	Button	Click	Y		Click edit button to edit user information
4.	Full name	Họ tên	Text	Type	Y		User full name
5.	Date of birth	Ngày tháng năm sinh	Text	Type	Y		User date of birth
6.	Posted Articles	Bài đã đăng	Label		Y		Display text
7.	Posted articles list	Danh sách các bài đã đăng	Hyperlink	Click	Y		Click to show posted articles
8.	List message	Danh sách tin nhắn	Hyperlink	Click	Y		Click to show message content

5.6.11.2 Update profile

Thông tin cá nhân ×

Tài khoản	shinji
Email	waynerooney_hotboysanco@yahoo.com
Tên	<input type="text" value="Shinji"/>
Họ	<input type="text" value="Kagawa"/>
Ngày sinh	<input type="text" value="11/10/1989"/>
Lưu	

Figure 5-39: Update profile screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	User Information	Thông tin cá nhân	Label		Y		Display text
2.	User name	Tên hiển thị	Text	Type	Y	20	User name
3.	Date of birth	Ngày sinh	Radio	Click	Y	10	Date of birth
4.	Gender	Giới tính	Text	Type	Y		Gender of user
5.	Profile picture	Ảnh đại diện	Button	Click	Y		Profile picture
6.	Last name	Họ	Text	Type	Y	20	Last name of user
7.	First name	Tên	Text	Type	Y	20	First name of user
8.	Phone	Số điện thoại	Text	Type	Y	20	Phone number of user
9.	Address	Địa chỉ	Text	Type	Y	50	User address

Table 5-9: Update profile screen

5.6.11.3 Change password

The screenshot shows a user interface for changing a password. At the top, there is a title 'Đổi Mật Khẩu' (Change Password). Below it are three input fields: 'Mật Khẩu cũ:' (Old Password), 'Mật Khẩu mới:' (New Password), and 'Nhập lại mật khẩu:' (Re-type Password). At the bottom of the form are two buttons: 'Lưu' (Save) and 'Nhập lại' (Re-type). To the left of the form, there is a sidebar with a dark grey header containing the text 'IMG'. Below the header, there is a list of menu items: 'Thông tin' (Information), 'Bài đã đăng' (Published articles), 'Thông báo' (Notifications), and 'Đổi mật khẩu' (Change password), with 'Đổi mật khẩu' being the active tab.

Figure 5-40: Change password screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Change password	Thay đổi mật khẩu	Label		Y		Display text
2.	Current password	Mật khẩu hiện tại	password		Y		Current password of user
3.	Password new	Mật khẩu mới	password		Y		Password new of user
4.	Re-type password new	Nhập lại mật khẩu mới	password		Y		Re-type password new
5.	Save	Lưu	Button	Click	Y		Click to save password new

Table 5-10: Change password screen

5.6.11.4 Message content

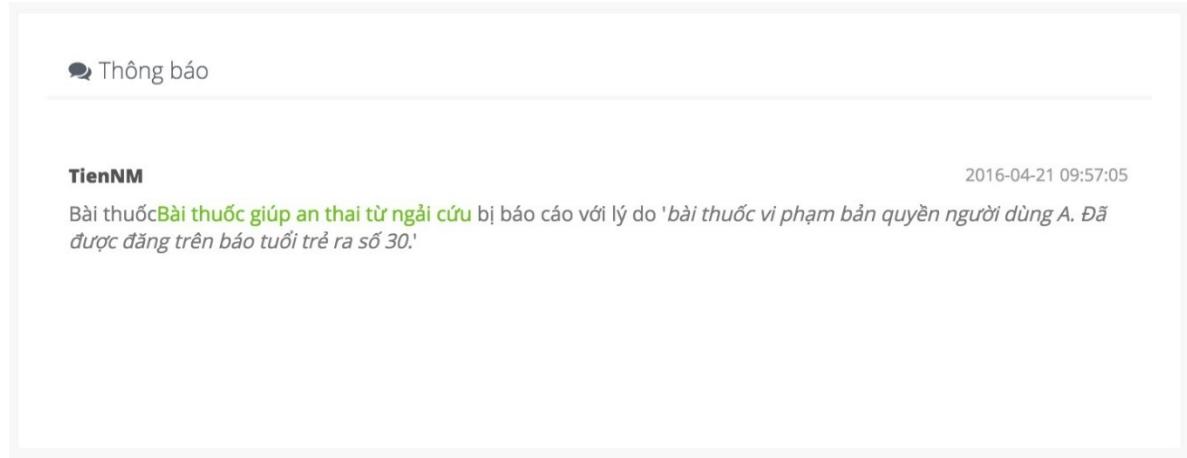


Figure 5-41: Message content screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Message	Tin nhắn	Label		Y		Display text
2.	Name	Tên	Text		Y		Name of sender
3.	Content	Nội dung	Textarea		Y		Message content
4.	Date	Thời gian	Date		Y		Received date of message
5.	Close	Đóng	Button	Click	Y		Click to close message content

Table 5-11: Message content screen

5.6.12 Admin

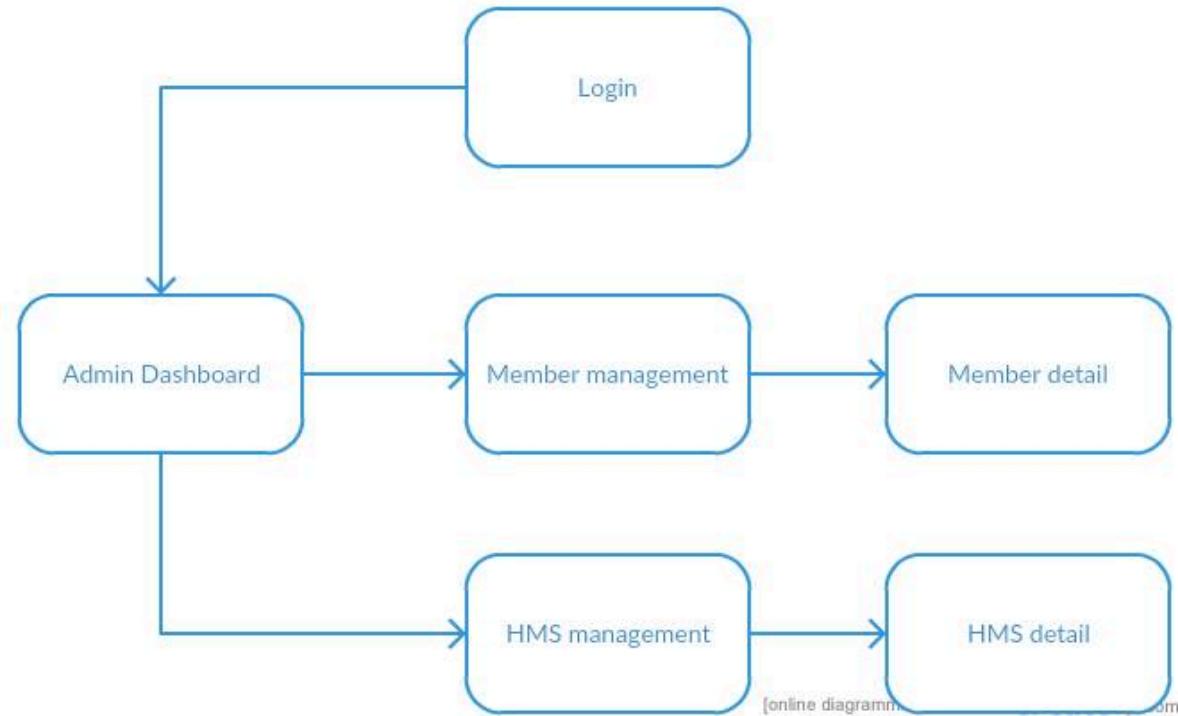


Figure 5-42: Admin screen flow

5.6.12.1 Dashboard of Admin

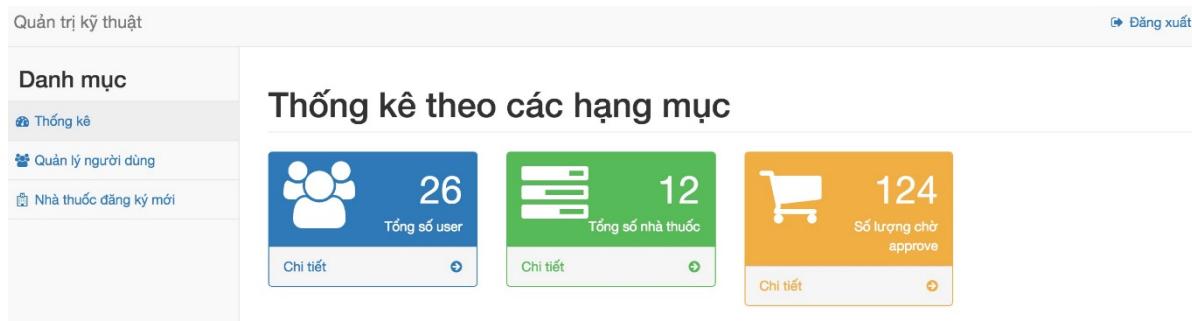


Figure 5-43: Dashboard of Admin screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Technical manage	Quản trị kỹ thuật	Label		Y		Display title
2.	Menu	Danh mục	Label		Y		Display text
3.	Logout	Đăng xuất	Button	Click	Y		Click to logout
4.	Dashboard	Thống kê	Tab	Click	Y		Click to display dashboard of category
5.	Managing	Quản lý	Tab	Click	Y		Click to

	user	người dùng					display managing user
6.	Herbal medicine store new list	Danh sách nhà thuốc đăng ký mới	Tab	Click	Y		Click to display Herbal medicine store new list
7.	Total of user	Tổng số user	Label		Y		Display label
8.	Total of remedy	Tổng số nhà thuốc	Label		Y		Display label
9.	Total of pending User	Số người chờ xử lý	Label		Y		Display label

Table 5-12: Dashboard of Admin screen**5.6.12.2 Member management**

The screenshot shows a member management interface. On the left is a sidebar with 'Danh mục' (Category) containing 'Thống kê', 'Quản lý người dùng', and 'Nhà thuốc đăng ký mới'. The main area is titled 'Quản lý người dùng' (Manage users). It has a 'Tạo tài khoản mới' (Create new account) button. A table lists users with columns: Tài khoản (Account), Email, Vai trò (Role), and Trạng thái (Status). Each row includes a 'Chi tiết' (Detail) button. The users listed are Rikky, TienNM, shinji, thoxuanduong, and khanhtb.

Tài khoản	Email	Vai trò	Trạng thái
Rikky	sonvl@vnvalley.com	Quản trị nội dung	Hoạt động
TienNM	tiennmse02545@fpt.edu.vn	Quản trị nội dung	Hoạt động
shinji	waynerooney_hotboysanco@yahoo.com	Thành viên	Hoạt động
thoxuanduong	dongy@thoxuanduong.com	Nhà thuốc	Hoạt động
khanhtb	khanhtbse02764@fpt.edu.vn	Thành viên	Hoạt động

Figure 5-44: Member management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Member management	Quản lý người dùng	Label		Y		Display text
2.	Add new account	Tạo tài khoản mới	Button	Click	Y		Click to add new mod account
3.	Search icon	Biểu tượng tìm kiếm	Button	Click	Y		Click to search user account
4.	Account	Tài khoản	Text		Y		Show user account
5.	Email	Địa chỉ hòm thư	Text		Y		Show user email
6.	User's full name	Họ và tên người dùng	Text		Y		Show user's full name
7.	Level	Cấp độ	Text		Y		Show user's

							level
8.	Action	Hành động	Text		Y		Show action: detail, lock, unlock account
9.	Detail	Chi tiết	Button	Click	Y		Show detail
10.	Lock account	Khoá tài khoản	Button	Click	Y		Lock user account
11.	Unlock account	Mở khoá tài khoản	Button	Click	Y		Unlock user account
12.	Pagging	Danh sách trang	Button	Click	Y		Moving between pages

Table 5-13: Member management screen**5.6.12.3 Add new account detail****Thông tin tài khoản**

The screenshot shows a mobile-style form titled "Thông tin tài khoản". It contains four text input fields: "Email", "Tài khoản", "Mật Khẩu", and "Xác nhận mật Khẩu". Below these fields is a blue rectangular button labeled "Lưu".

Figure 5-45: Add new account detail

No	Field name	Field name in Vietnamese	Type	Require	Mandato	Max-Length	Description
1.	Account's information	Thông tin tài khoản	Label		Y		Display text
2.	Account	Tài khoản	TextField		Y		To fill mod's new account
3.	Email	Địa chỉ hòm thư	TextField		Y		To fill mod's new email
4.	Password	Mật khẩu	TextField		Y		To fill mod's

							new password
5.	Re-Password	Xác nhận mật khẩu	TextField	Click	Y		To fill re-password
6.	Save	Lưu	Button		Y		Click to save mod's information

Table 5-14: Add new account detail screen**5.6.12.4 Member detail****Thông tin tài khoản nhà thuốc**

Tài khoản	Rikky
Email	sonvl@vnvalley.com
Tên	Son
Họ	Le
Ngày sinh	25/12/1990
Vai trò	Quản trị nội dung
	<input type="button" value="Lưu"/> <input type="button" value="Khóa"/>

Figure 5-46: Member detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Member detail	Chi tiết người dùng	Label		Y		Display text
2.	Account	Tài khoản	Text		Y		Show user account
3.	Email	Địa chỉ hòm thư	Email		Y		Show user's email
4.	Full name	Họ và tên người dùng	Text		Y		Show user's full name
5.	Level	Cấp độ	Dropdown list	Click	Y		Show user's level
6.	Register date	Ngày đăng ký	Date		Y		Show register date

7.	Save	Lưu	Button	Click	Y		Click to save
8.	Send message	Gửi thông báo	Button	Click	Y		Click to send message to this account
9.	Close	Đóng	Button	Click	Y		Click to close this modal

Table 5-15: Member detail screen**5.6.12.5 Herbal medicine store management**
Figure 5-47: Herbal medicine store management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Herbal medicine store new list	Danh sách nhà thuốc đăng ký mới	Label		Y		Display text
2.	Search Box	Ô tìm kiếm	Text	Type	Y		Type user account or email to search
3.	Search icon	Biểu tượng tìm kiếm	Button	Click	Y		Click to search user account
4.	Account	Tài khoản	Text		Y		Show user account
5.	Email	Địa chỉ hòm thư	Text		Y		Show user email
6.	Herbal medicine store	Tên nhà thuốc	Text		Y		Show herbal medicine store name
7.	Register date	Ngày đăng ký	Date		Y		Show register date of store
8.	Action	Hành động	Text		Y		Show action
9.	Detail	Chi tiết	Button	Click	Y		Click to show detail
10.	Pagging	Danh sách trang	Button	Click	Y		Moving pages

Table 5-16: Herbal medicine store management screen**5.6.12.6 Herbal medicine store detail**

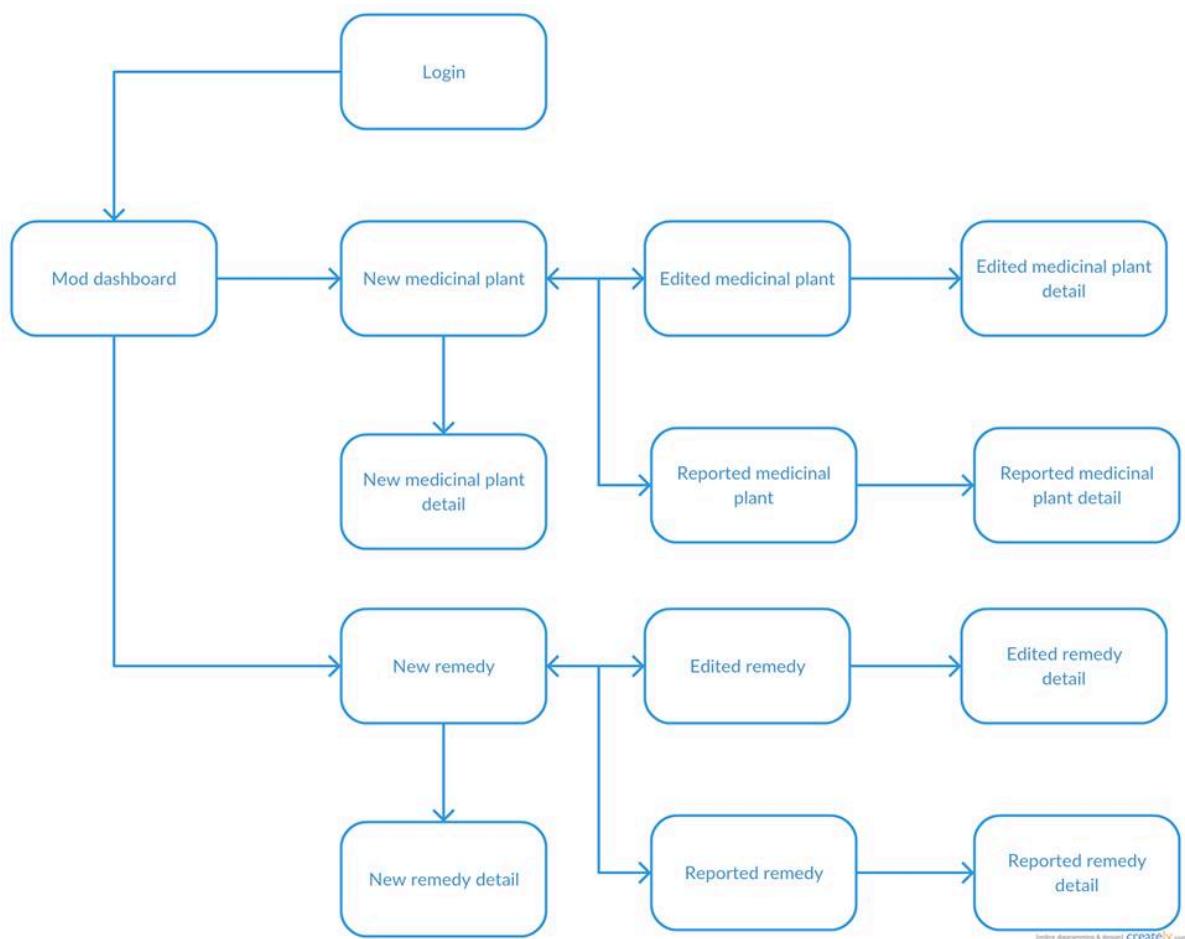
Thông tin tài khoản nhà thuốc X

Tài khoản	dongyhangcot
	boymangu93@gmail.com
Email	Nhà Thuốc Đông Y Gia Truyền 15 Hàng Cót - Hà Nội
Địa chỉ	15 Hàng Cót, Hoàn Kiếm, Thành Phố Hà Nội, Việt Nam
Số điện thoại	04 8281932
Người đại diện	Lương y Nguyễn Huy Tiến
Duyệt Tù chối	

Figure 5-48: Herbal medicine store detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1	Herbal medicine store account information	Thông tin tài khoản nhà thuốc	Label		Y		Display text
2	Account	Tài khoản	Text		Y		Show herbal medicine store account
3	Email	Địa chỉ hòm thư	Text		Y		Show herbal medicine store email
4	Herbal medicine store name	Tên nhà thuốc	Text		Y		Show herbal medicine store name
5	Address	Địa chỉ	Text		Y		Show herbal medicine store

							address
6	Phone	Số điện thoại	Text		Y		Show herbal medicine store phone
7	Representative	Người đại diện	Text		Y		Show representative name
8	Approve	Duyệt	Button	Click	Y		Click to approve account
9	Ignore	Tù chối	Button	Click	Y		Click to ignore account

Table 5-17: Herbal medicine store detail screen**5.6.13 Mod****Figure 5-49: Mod Screen flow**

5.6.13.1 Dashboard of Mod

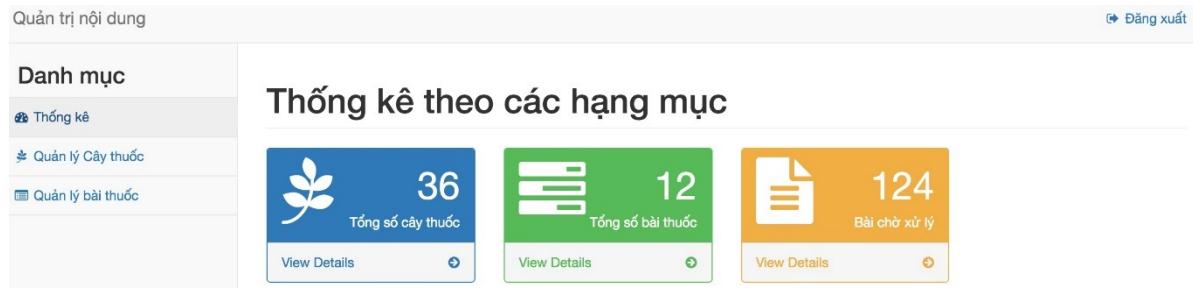


Figure 5-50: Dashboard of Mod screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Content manage	Quản trị nội dung	Label		Y		Display title
2.	Logout	Đăng xuất	Button	Click	Y		Click to logout
3.	Dashboard	Bảng điều khiển	Tab	Click	Y		Display dashboard of category
4.	Manage medicinal plant	Quản lý cây thuốc	Tab	Click	Y		Display managing medicinal plant of category
5.	Manage medicine	Quản lý bài thuốc	Tab	Click	Y		Display managing medicine of category
6.	Total of medicinal plant	Tổng số cây thuốc	Label		Y		Display label
7.	Total of remedy	Tổng số bài thuốc	Label		Y		Display label
8.	Pending articles	Bài chờ xử lý	Label		Y		Display label
9.	Detail	Chi tiết	Button		Y		Click to view total of medicinal plant or remedy or waiting or pending article

Table 5-18: Dashboard of Mod screen

5.6.13.2 Medicinal plants management

Danh mục

- [Thống kê](#)
- [Quản lý Cây thuốc](#) Chi tiết
- [Quản lý bài thuốc](#)

Quản lý cây thuốc

Cây thuốc trong hệ thống [Cây thuốc mới](#) [Cây thuốc đã sửa](#) [Báo cáo cây thuốc](#)

Danh sách cây thuốc trong hệ thống

Tên cây thuốc	Người đăng	Ngày đăng	
Ngải cứu	shinji	2016-04-25 11:24:22	Chi tiết
Tía tô	shinji	2016-04-25 11:24:22	Chi tiết
Nhọ Nồi	shinji	2016-04-25 11:24:22	Chi tiết
Nghệ vàng	shinji	2016-04-25 11:24:22	Chi tiết
Đậu đen (Đỗ đen)	shinji	2016-04-25 11:24:22	Chi tiết
Đậu xanh (Đỗ xanh)	shinji	2016-04-25 11:24:22	Chi tiết
Lược vàng	shinji	2016-04-25 11:24:22	Chi tiết
Húng chanh	shinji	2016-04-25 11:24:22	Chi tiết

Figure 5-51: Medicinal plants management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Manage medicinal plant	Quản lý cây thuốc	Label		Y		Display title
2.	Medicinal plants in the system	Cây thuốc trong hệ thống	Tab	Click	Y		Display tab
3.	New medicinal plants	Cây thuốc mới	Tab	Click	Y		Display tab
4.	Edited medicinal plants	Cây thuốc đã sửa	Tab	Click	Y		Display tab
5.	Reported medicinal plants	Cây thuốc vi phạm	Tab	Click	Y		Display tab
6.	Medicinal plant in the system list	Danh sách cây thuốc trong hệ thống	Label		Y		Display title of table
7.	Medicinal plant	Tên cây thuốc	Text		Y		Display medicinal plant name
8.	Author	Người đăng	Text		Y		Display author of this article
9.	Posted date	Ngày đăng	Date		Y		Display posted

							date
10.	Detail	Chi tiết	Button	Click	Y		Click to show detail
11.	Dashboard	Bảng điều khiển	Button	Click	Y		Display dashboard of category
12.	Manage medicine	Quản lý bài thuốc	Button	Click	Y		Display managing medicine of category
13.	Logout	Đăng xuất	Button	Click	Y		Click to logout

Table 5-19: Medicinal plants management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1	Infomation	Thông tin	Tab		Y		Profile
2	Backed project	Dự án đã ủng hộ	Tab		Y		Backed project
3	Created project	Dự án đã tạo	Tab		Y		Created project

Table 4-30: User'profile

5.6.13.3 Medicinal plants management detail

x

Thông tin bài viết

NO IMAGE AVAILABLE

Tên thường gọi:	sdf
Tên khác:	sdfsdfs
Tên khoa học:	d
Đặc điểm:	sd
Nơi phân bố:	f
Công dụng:	d
Người đóng góp:	lighthouse

Duyệt
Từ chối

Figure 5-52: Medicinal plants management detail

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description

		e					
1.	Medicinal plants Information	Thông tin cây thuốc	Label		Y		Display text
2.	background	Ảnh đại diện	Button	Click	Y		Click to show image of medicinal plants
3.	Name	Tên	Text		Y		Name of medicinal plants
4.	Other name	Tên khác	Text		Y		Other name of medicinal plants
5.	Science name	Tên khoa học	Text		Y		Science name of medicinal plants
6.	Characteristic	Đặc tính	Text		Y		Characteristic of medicinal plants
7.	Utility	Công dụng	Text		Y		Utility of medicinal plants
8.	Example picture	Ảnh minh họa	Button	Click	Y		Click to show example picture of medicinal plants
9.	Note	Lưu ý	Text		Y		Note for medicinal plants
10.	Allocation place	Nguồn gốc xuất xứ	Text		Y		Allocation place of medicine plant
11.	Climatic condition	Điều kiện khí hậu nơi trồng	Text		Y		Climatic condition of medicinal plants
12.	Author	Tác giả	Text		Y		Author of new medicinal plants
13.	Deny	Từ chối	Button	Click	Y		Click to deny medicinal plants

14.	Accept	Duyệt	Button	Click			Click to approve medicinal plants
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Table 5-20: Medicinal plants management detail screen**5.6.13.4 New medicinal plants management**

Tên cây thuốc	Người đăng	Ngày đăng	Chi tiết
sdf	lighthouse	0000-00-00 00:00:00	<button>Chi tiết</button>
sdf	lighthouse	0000-00-00 00:00:00	<button>Chi tiết</button>
sdf	lighthouse	0000-00-00 00:00:00	<button>Chi tiết</button>
123	shinji	2016-04-10 13:41:07	<button>Chi tiết</button>
123	shinji	2016-04-10 14:07:34	<button>Chi tiết</button>
bap cai	shinji	2016-04-20 15:15:42	<button>Chi tiết</button>
bap cai	shinji	2016-04-20 15:15:45	<button>Chi tiết</button>
bap cai	shinji	2016-04-20 15:15:46	<button>Chi tiết</button>

Figure 5-53: New medicinal plants management

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Manage medicinal plant	Quản lý cây thuốc	Label		Y		Display title
2.	New medicinal plants	Cây thuốc mới	Tab	Click	Y		Display tab
3.	Edited medicinal plants	Cây thuốc đã sửa	Tab	Click	Y		Display tab
4.	Reported medicinal plants	Cây thuốc vi phạm	Tab	Click	Y		Display tab
5.	New medicinal plant article	Danh sách cây thuốc mới	Label		Y		Display title of table

	list						
6.	Medicinal plant	Tên cây thuốc	Text		Y		Display medicinal plant name
7.	Author	Người đăng	Text		Y		Display author of this article
8.	Posted date	Ngày đăng	Date		Y		Display posted date
9.	Detail	Chi tiết	Button	Click	Y		Click to show detail
10.	Dashboard	Bảng điều khiển	Button	Click	Y		Display dashboard of category
11.	Manage medicine	Quản lý bài thuốc	Button	Click	Y		Display managing medicine of category
12.	Logout	Đăng xuất	Button	Click	Y		Click to logout

Table 5-21: New medicinal plants management screen**5.6.13.5 New medicinal plants detail**

Thông tin bài viết

Tên thường gọi:	sdf
Tên khác:	sdfsdfs
Tên khoa học:	d
Đặc điểm:	sd
Nơi phân bố:	f
Công dụng:	d
Người đóng góp:	lighthouse

Duyệt **Từ chối**

Figure 5-54: New medicinal plants detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Medicinal plants Information	Thông tin cây thuốc	Label		Y		Display text

2.	background	Ảnh đại diện	Button	Click	Y		Click to show image of medicinal plants
3.	Name	Tên	Text		Y		Name of medicinal plants
4.	Other name	Tên khác	Text		Y		Other name of medicinal plants
5.	Science name	Tên khoa học	Text		Y		Science name of medicinal plants
6.	Characteristic	Đặc tính	Text		Y		Characteristic of medicinal plants
7.	Utility	Công dụng	Text		Y		Utility of medicinal plants
8.	Example picture	Ảnh minh họa	Button	Click	Y		Click to show example picture of medicinal plants
9.	Note	Lưu ý	Text		Y		Note for medicinal plants
10.	Allocation place	Nguồn gốc xuất xứ	Text		Y		Allocation place of medicine plant
11.	Climatic condition	Điều kiện khí hậu nơi trồng	Text		Y		Climatic condition of medicinal plants
12.	Author	Tác giả	Text		Y		Author of new medicinal plants
13.	Approve	Duyệt	Button	Click	Y		Click to approve medicinal plants
14.	Ignore	Tù chối	Button	Click	Y		Click to ignore medicinal plants

Table 5-22: New medicinal plants detail screen

5.6.13.6 Edited medicinal plants management

Figure 5-55: Edited medicinal plants management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Edited medicinal plant article list	Danh sách cây thuốc đã sửa	Label		Y		Display title of table
2.	Medicinal plant	Tên cây thuốc	Text		Y		Display medicinal plant name
3.	Author	Người đăng	Text		Y		Display author of this article
4.	Posted date	Ngày đăng	Date		Y		Display posted date
5.	Detail	Chi tiết	Button	Click	Y		Click to show detail

Table 5-23: Edited medicinal plants management screen

5.6.13.7 Edited medicinal plants detail

Thông tin bài viết



Tên thường gọi:	Ngải cứu
Tên khác:	
Tên khoa học:	Artemisia vulgaris
Đặc điểm:	Là loại cỏ sống lâu năm, thân có rãnh dọc.Lá mọc so le không cuồng, màu 2 mặt lá khác nhau, mặt trên nhẵn, mặt lục sẫm.Mặt dưới trắng tro, có nhiều lông nhỏ
Nơi phân bố:	châu Âu, châu Á, bắc Phi, Alaska và bắc Mỹ
Công dụng:	Cầm máu, Giảm đau nhức, Sát trùng, kháng khuẩn, Điều hòa khí huyết
Người đóng góp:	shinji

Duyệt
Tù chối

Figure 5-56: Edited medicinal plants detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Medicinal plants Information	Thông tin cây thuốc	Label		Y		Display text
2.	backgroud	Ảnh đại diện	Button	Click	Y		Click to show image of medicinal plants
3.	Name	Tên	Text		Y		Name of medicinal plants
4.	Other name	Tên khác	Text		Y		Other name of medicinal plants
5.	Science name	Tên khoa học	Text		Y		Science name of medicinal plants
6.	Characteristic	Đặc tính	Text		Y		Characteristic of medicinal plants
7.	Utility	Công dụng	Text		Y		Utility of medicinal plants
8.	Example	Ảnh minh	Button	Click	Y		Click to up

	picture	họa	n				example picture of medicinal plants
9.	Note	Lưu ý	Text		Y		Note for medicinal plants
10.	Allocation place	Nguồn gốc xuất xứ	Text		Y		Allocation place of medicine plant
11.	Climatic condition	Điều kiện khí hậu nơi trồng	Text		Y		Climatic condition of medicinal plants
12.	Author	Tác giả	Text		Y		Author of new medicinal plants
13.	Approve	Duyệt	Button	Click	Y		Click to approve medicinal plants
14.	Ignore	Tù chối	Button	Click	Y		Click to ignore medicinal plants

Table 5-24: Edited medicinal plants detail screen**5.6.13.8 Reported medicinal plants management**

Danh mục

- [Thống kê](#)
- [**Quản lý Cây thuốc**](#)
- [Quản lý bài thuốc](#)

Quản lý cây thuốc

Cây thuốc trong hệ thống Cây thuốc mới Cây thuốc đã sửa Báo cáo cây thuốc

Danh sách cây thuốc vi phạm

Tên cây thuốc	Người báo cáo	Ngày báo cáo	Chi tiết
Ngải cứu	quynhht1	2016-03-27 09:39:31	Chi tiết
Ngải cứu	quynhht1	2016-03-27 09:39:40	Chi tiết
Ngải cứu	quynhht1	2016-03-27 09:39:57	Chi tiết
Ngải cứu	quynhht1	2016-03-27 09:40:09	Chi tiết
Ngải cứu	TienNM	2016-03-31 05:57:13	Chi tiết
Tía tô	god	2016-04-18 03:27:21	Chi tiết
Nghệ vàng	TienNM	2016-04-18 05:01:24	Chi tiết

Figure 5-57: Reported medicinal plants management screen

No	Field name	Field name	Type	Require	Mandatory	Max-	Description
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		in Vietnamese				Length	
1.	Reported medicinal plant article list	Danh sách cây thuốc đã sưu	Label		Y		Display title of table
2.	Medicinal plant	Tên cây thuốc	Text		Y		Display medicinal plant name
3.	Author	Người đăng	Text		Y		Display author of this article
4.	Posted date	Ngày đăng	Date		Y		Display posted date
5.	Reporter	Người báo cáo	Text		Y		Display name of person who report
6.	Reported date	Ngày báo cáo	Date		Y		Display reported date
7.	Detail	Chi tiết	Button	Click	Y		Click to show detail

Figure 5-58: Reported medicinal plants management screen**5.6.13.9 Reported medicinal plants detail**

Thông tin bài viết



Tên thường gọi:	Ngải cứu
Tên khác:	Thuốc cứu, ngải diệp, nhả ngái, quá sú, cỏ linh li
Tên khoa học:	Artemisia vulgaris
Đặc điểm:	Là loại có sống lâu năm, thân có rãnh dọc.Lá mọc so le không cuồng, màu 2 mặt lá khác nhau, mặt trên nhẵn, màu lục sẫm.Mặt dưới trắng tro, có nhiều lông nhỏ
Nơi phân bố:	châu Âu, châu Á, bắc Phi, Alaska và bắc Mỹ
Công dụng:	Cầm máu, Giảm đau nhức, Sát trùng, kháng khuẩn, Điều hòa khí huyết
Người đóng góp:	shinji
Nguyên nhân:	Viết liên tha liên thiên. Hình thi xấu

Nhắc nhở
Bỏ qua

Figure 5-59: Reported medicinal plants detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Medicinal plants	Thông tin cây thuốc	Label		Y		Display text

	Information						
2.	background	Ảnh đại diện	Button	Click	Y		Click to show image of medicinal plants
3.	Name	Tên	Text		Y		Name of medicinal plants
4.	Other name	Tên khác	Text		Y		Other name of medicinal plants
5.	Science name	Tên khoa học	Text		Y		Science name of medicinal plants
6.	Characteristic	Đặc tính	Text		Y		Characteristic of medicinal plants
7.	Utility	Công dụng	Text		Y		Utility of medicinal plants
8.	Example picture	Ảnh minh họa	Button	Click	Y		Click to up example picture of medicinal plants
9.	Note	Lưu ý	Text		Y		Note for medicinal plants
10.	Allocation place	Nguồn gốc xuất xứ	Text		Y		Allocation place of medicine plant
11.	Climatic condition	Điều kiện khí hậu nơi trồng	Text		Y		Climatic condition of medicinal plants
12.	Author	Tác giả	Text		Y		Author of new medicinal plants
13.	Reported content	Nội dung báo cáo	Text		Y		Content of Report
14.	Delete	Xóa	Button	Click	Y		Click to delete reported medicinal plants

15.	Ignore	Tù chối	Button	Click	Y		Click to ignore report
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Table 5-25: Reported medicinal plants detail screen**5.6.13.10 Remedy management**
Figure 5-60: Remedy management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Manage remedy	Quản lý bài thuốc	Label		Y		Display title
2.	Remedy in the system	Bài thuốc trong hệ thống	Tab	Click	Y		Display tab
3.	New article	Bài viết mới	Tab	Click	Y		Display tab
4.	Edited article	Bài viết đã sửa	Tab	Click	Y		Display tab
5.	Reported article	Bài viết bị vi phạm	Tab	Click	Y		Display tab
6.	Remedy list	Danh sách bài thuốc	Label		Y		Display title of table
7.	Medicinal plant	Tên bài thuốc	Text		Y		Display remedy name
8.	Author	Người đăng	Text		Y		Display author of this article
9.	Posted date	Ngày đăng	Date		Y		Display posted date
10.	Detail	Chi tiết	Button	Click	Y		Click to show detail

Table 5-26: Remedy management screen

5.6.13.11 Remedy management detail

X

Thông tin bài viết



Tiêu đề:	Bài thuốc giúp an thai từ ngải cứu
Thành phần:	
Mô tả:	nếu thấy có hiện tượng đau bụng, ra máu, dùng 16gr lá ngải cứu, 16gr lá tía tô, sắc cùng với 600ml nước, sắc còn 100ml.
Cách dùng:	Chia làm 3-4 lần uống/ngày
Lưu ý:	Ngải cứu không có tác dụng kích thích với tử cung có thai nên không gây sẩy thai.
Công dụng:	An thai
Người đóng góp:	shinji

Xóa

Figure 5-61: Remedy management detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	New remedy information	Thông tin bài thuốc	Label		Y		Display text
2.	Background	Ảnh đại diện	Button	Click	Y		Click to show image of remedy
3.	Name	Tên	Text		Y		Name of remedy
4.	Ingredients	Thành phần bài thuốc	Text		Y		Ingredients of remedy
5.	Utility	Công dụng	Text		Y		Utility of remedy
6.	Using	Cách sử dụng	Text		Y		Using of remedy
7.	Making	Cách chế biến	Text		Y		Making of remedy
8.	Example pictures	Ảnh minh họa	Text		Y		Click to show example pictures
9.	Note	Lưu ý	Text		Y		Note for remedy
10.	The origin	Nguồn gốc xuất xứ	Text		Y		The origin of remedy
11.	Author	Tác giả	Text		Y		Author of remedy

12.	Delete	Xoá	Button	Click	Y		Click to delete new remedy
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Table 5-27: Remedy management detail screen**5.6.13.12 New remedy management**
Figure 5-62: New remedy management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Manage remedy	Quản lý bài thuốc	Label		Y		Display title
2.	New article	Bài viết mới	Tab	Click	Y		Display tab
3.	Edited article	Bài viết đã sửa	Tab	Click	Y		Display tab
4.	Reported article	Bài viết bị vi phạm	Tab	Click	Y		Display tab
5.	New remedy list	Danh sách bài thuốc mới	Label		Y		Display title of table
6.	Medicinal plant	Tên bài thuốc	Text		Y		Display remedy name
7.	Author	Người đăng	Text		Y		Display author of this article
8.	Posted date	Ngày đăng	Date		Y		Display posted date
9.	Detail	Chi tiết	Button	Click	Y		Click to show detail

Table 5-28: New remedy management screen

5.6.13.13 New remedy detail

×

Thông tin bài viết

Tiêu đề:	Chữa chứng ho nhiệt, viêm họng, khản tiếng bằng húng chanh
Thành phần:	Húng chanh, Đường Phèn
Mô tả:	Cho 20g lá Húng chanh tươi và 20g đường phèn vào bát, chưng cách thủy, chắt lấy nước
Cách dùng:	Mỗi ngày uống một thang, liên tục trong 3 – 5 ngày
Lưu ý:	uống từ từ. Bã ngâm trong miệng, mút lấy nước.
Công dụng:	chữa chứng ho nhiệt, viêm họng, khản tiếng.
Người đóng góp:	thoxuanduong

Duyệt
Tù chối

Figure 5-63: New remedy detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	New remedy information	Thông tin bài thuốc	Label		Y		Display text
2.	Background	Ảnh đại diện	Button	Click	Y		Click to show image of remedy
3.	Name	Tên	Text		Y		Name of remedy
4.	Ingredients	Thành phần bài thuốc	Text		Y		Ingredients of remedy
5.	Utility	Công dụng	Text		Y		Utility of remedy
6.	Using	Cách sử dụng	Text		Y		Using of remedy
7.	Making	Cách chế biến	Text		Y		Making of remedy
8.	Example pictures	Ảnh minh họa	Text		Y		Click to show example pictures
9.	Note	Lưu ý	Text		Y		Note for remedy
10.	The origin	Nguồn gốc xuất xứ	Text		Y		The origin of remedy
11.	Author	Tác giả	Text		Y		Author of

							remedy
12.	Approve	Duyệt	Button	Click	Y		Click to approve new remedy
13.	Ignore	Tù chối	Button	Click	Y		Click to ignore new remedy

Table 5-29: New remedy detail screen**5.6.13.14 Edit remedy management**

Quản trị nội dung

Đăng xuất

Danh mục

Thống kê

Quản lý Cây thuốc

Quản lý bài thuốc

Bài thuốc trong hệ thống

Bài thuốc viết mới

Yêu cầu chỉnh sửa bài thuốc

Danh sách báo cáo

Quản lý bài thuốc

Quản lý bài thuốc đã sửa

Tên bài thuốc

Người đăng

Ngày đăng

Bài thuốc giúp an thai từ ngải cứu

shinji

2016-04-20 17:16:58

Chi tiết

Figure 5-64: Edit remedy management

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Edited remedy article list	Danh sách bài thuốc đã sửa	Label		Y		Display title of table
2.	Remedy	Tên bài thuốc	Text		Y		Display remedy name
3.	Author	Người đăng	Text		Y		Display author of this article
4.	Posted date	Ngày đăng	Date		Y		Display posted date
5.	Detail	Chi tiết	Button	Click	Y		Click to show detail

Table 5-30: Edit remedy management

5.6.13.15 Edit remedy detail

X

Thông tin bài viết



Tiêu đề:	Bài thuốc giúp an thai từ ngải cứu
Thành phần:	Ngải cứu, Tía tô
Mô tả:	nếu thấy có hiện tượng đau bụng, ra máu, dùng 16gr lá ngải cứu, 16gr lá tía tô, sắc cùng với 600ml nước, sắc còn 100ml. ngon
Cách dùng:	Chia làm 3-4 lần uống/ngày bổ
Lưu ý:	Ngải cứu không có tác dụng kích thích với tử cung có thai nên không gây sảy thai. rẽ
Công dụng:	An thaidfasdfasdfasdf
Người đóng góp:	shinji

Duyệt
Từ chối

Figure 5-65: Edit remedy detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandator y	Max-Length	Description
1.	New remedy information	Thông tin bài thuốc	Label		Y		Display text
2.	Background	Ảnh đại diện	Button	Click	Y		Click to show image of remedy
3.	Name	Tên	Text		Y		Name of remedy
4.	Ingredients	Thành phần bài thuốc	Text		Y		Ingredients of remedy
5.	Utility	Công dung	Text		Y		Utility of remedy
6.	Using	Cách sử dụng	Text		Y		Using of remedy
7.	Making	Cách chế biến	Text		Y		Making of remedy
8.	Example pictures	Ảnh minh họa	Text		Y		Click to show example pictures
9.	Note	Lưu ý	Text		Y		Note for remedy
10.	The origin	Nguồn gốc xuất xứ	Text		Y		The origin of remedy
11.	Author	Tác giả	Text		Y		Author of remedy
12.	Approve	Duyệt	Button	Click	Y		Click to approve new remedy
13.	Ignore	Từ chối	Button	Click	Y		Click to ignore new remedy

Table 5-31: Edit remedy detail screen

5.6.13.16 Report remedy management

Quản trị nội dung

Đăng xuất

Danh mục

Thống kê

Quản lý Cây thuốc

Quản lý bài thuốc

Quản lý bài thuốc

Bài thuốc trong hệ thống

Bài thuốc viết mới

Yêu cầu chỉnh sửa bài thuốc

Danh sách báo cáo

Danh sách bài thuốc bị vi phạm

Tiêu đề bài thuốc

Người báo cáo

Ngày báo cáo

Bài thuốc giúp an thai từ ngải cứu

TienNM

2016-04-21 09:57:05

Chi tiết

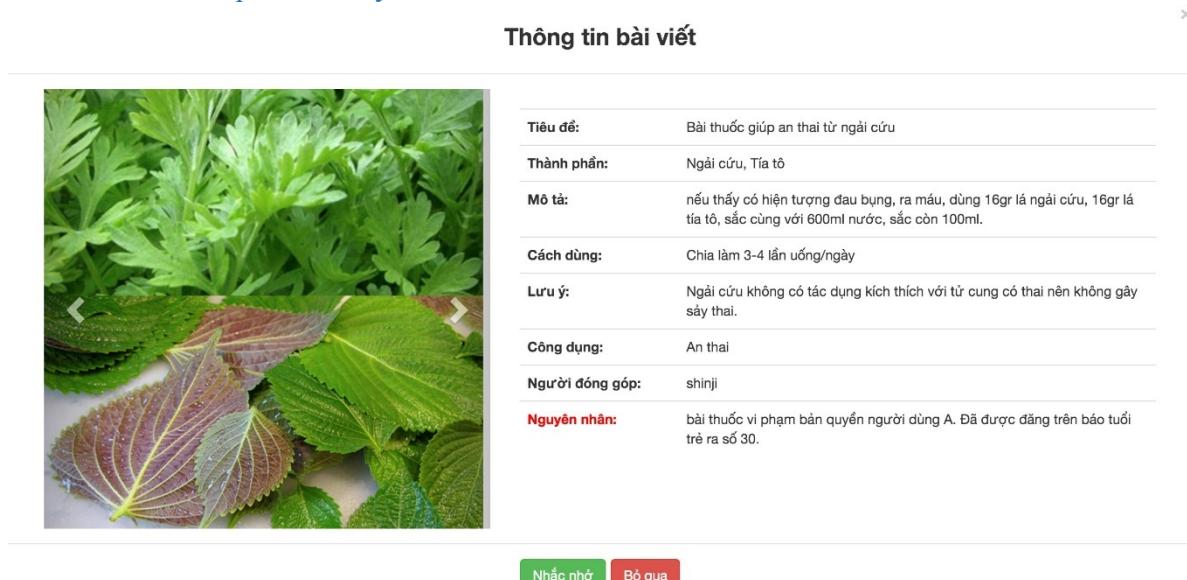
Figure 5-66: Report remedy management screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	Reported remedy article list	Danh sách bài thuốc đã sửa	Label		Y		Display title of table
2.	Remedy	Tên cây thuốc	Text		Y		Display remedy name
3.	Author	Người đăng	Text		Y		Display author of this article
4.	Posted date	Ngày đăng	Date		Y		Display posted date
5.	Reporter	Người báo cáo	Text		Y		Display name of person who report
6.	Reported date	Ngày báo cáo	Date		Y		Display reported date
7.	Detail	Chi tiết	Button	Click	Y		Click to show detail

Table 5-32: Report remedy management screen

5.6.13.17 Report remedy detail

Thông tin bài viết



Tiêu đề:	Bài thuốc giúp an thai từ ngải cứu
Thành phần:	Ngải cứu, Tía tô
Mô tả:	nếu thấy có hiện tượng đau bụng, ra máu, dùng 16gr lá ngải cứu, 16gr lá tía tô, sắc cùng với 600ml nước, sắc còn 100ml.
Cách dùng:	Chia làm 3-4 lần uống/ngày
Lưu ý:	Ngải cứu không có tác dụng kích thích với tử cung có thai nên không gây sảy thai.
Công dụng:	An thai
Người đóng góp:	shinji
Nguyên nhân:	bài thuốc vi phạm bản quyền người dùng A. Đã được đăng trên báo tuổi trẻ ra số 30.

Nhắc nhở
Bỏ qua

Figure 5-67: Report remedy detail screen

No	Field name	Field name in Vietnamese	Type	Require	Mandatory	Max-Length	Description
1.	New remedy information	Thông tin bài thuốc	Label		Y		Display text
2.	Background	Ảnh đại diện	Button	Click	Y		Click to show image of remedy
3.	Name	Tên	Text		Y		Name of remedy
4.	Ingredients	Thành phần bài thuốc	Text		Y		Ingredients of remedy
5.	Utility	Công dụng	Text		Y		Utility of remedy
6.	Using	Cách sử dụng	Text		Y		Using of remedy
7.	Making	Cách chế biến	Text		Y		Making of remedy
8.	Example pictures	Ảnh minh họa	Text		Y		Click to show example pictures
9.	Note	Lưu ý	Text		Y		Note for remedy
10.	The origin	Nguồn gốc xuất xứ	Text		Y		The origin of remedy
11.	Author	Tác giả	Text		Y		Author of remedy

12.	Reported content	Nội dung báo cáo	Text		Y		Content of Report
13.	Remind	Nhắc nhở	Button	Click	Y		Click to remind reported remedy
14.	Ignore	Tù chối	Button	Click	Y		Click to ignore report

Table 5-33: Report remedy detail screen

6 SOFTWARE TESTING

6.1 Introduction

6.1.1 Purpose

This is the comprehensive test plan of the VMN project. The purpose of the document describes scopes of test and activities, which need to be taken during test process of project. It addresses the following items: Scopes of Testing, Requirements for Testing, Test Strategy, Test Resources, Test Environment, Test Milestones and Deliverables.

6.1.2 Definitions and Acronyms

This section describes the definitions, terms, and acronyms that are used in software requirements specification.

Acronym	Definition	Note
VMN	Vietnamese Medicinal Plants Project	
GUI	Graphic User Interface	
IT	Integration Test	
PM	Project Manager	
QA	Quality Assurance	
SRS	Software Requirement Specification	
ST	System Test	
TC	Test Case	
TL	Test Leader	
TP	Test Plan	
TR	Test Report	
UT	Unit Test	

Table 5-1: Definitions and Acronyms

6.1.3 Scope of testing

VMN will be tested by 4 phases:

Phase 1: Unit testing

- Unit testing will be done by developers
- Developers user White Box Testing technique to do
- When executing unit testing, if any bugs are found, developers have to log bug on “Defect Log Management” file and fix it until it is correct.

Rule for filling test result:

Test result pass	Pass
Test result fail	Fail
Do not test	Untested
Cannot test	N/A (Not available)

Table 5-2: Rule unit test**Phase 2: Integration testing**

- After finishing component testing, integration testing will be performed by testers.
- Material are integration test cases, high- level design and test tools.
- Integration test focuses on specific areas of use cases when all requirements are completed.
- Integration test should be performed to ensure all components incorporate well.
- When executing integration testing, if any bugs are found, testers have to log on “Defect Log Management” file and assign to developer fix it and redo this process until it is correct.

Rule for filling test result:

Test result pass	Pass
Test result fail	Fail
Do not test	Untested
Cannot test	N/A (Not available)

Table 5-3: Rule integration test**Phase 3: System testing**

- After finishing integration testing and developers collect all functions and items, testers will be performed system testing, it means doing test whole system.
- Material area system test case, SRS
- If any bugs are found, developers have to fix and testers will verify them. System test is ended only when test cases are passed and no bug is found.

Rule for filling test result:

Test result pass	Pass
Test result fail	Fail
Do not test	Untested
Cannot test	N/A (Not available)

Table 5-4: Rule system test

Phase 4: Acceptance testing

- Base on customer/user requirement specification, system is tested again, for ensure there is not lacking or mistake any requirement.
- If there is any problem, developers have to fix/update and tester will verify them.
- Acceptance testing is ended only when whole system met requirement specification.

6.1.4 Constraints

- Deadline for testing only can be met if development progress is on time.
- Test execution can be performed when system passes Unit Test Inspection.
- At least one round of testing must be performed for requirements.
- Have more environments should be tested: Window 10, Window 8... and more browsers: Firefox 30 and Google Chrome 40...

6.2 Test plan

6.2.1 Test type

6.2.1.1 Function Testing

- Functional testing is a type of software testing whereby the system is tested against the functional requirements/specifications.
- Functions are tested by feeding them input and examining the output. Functional testing ensure that the requirements are properly satisfied by the website. This type of testing is not concerned with how processing occurs, but rather, with the results of processing.
- During functional testing, Black Box Testing technique is used in which the internal logic of the system being tested is not known to the tester.

Test Objective:	The type of this test is to ensure proper target-of-test functionality, including user interaction, all function defined in specification document implemented correctly.
Technique:	Executing each use case, use-case flow, or function, using valid and invalid data, to verify the following: - The expected results occur when valid data is used. - The appropriate error or warning messages are displayed when invalid data is used. - Each business rule is properly applied.
Completion Criteria:	<ul style="list-style-type: none"> - All planned tests have been executed. - All identified defects have been addressed and closed.

Special Considerations:	Testing may be stopped when Time runs out A certain number of defects found Test coverage > 97% Stop when testing becomes unproductive
--------------------------------	--

Table 5-5: Function Testing

6.2.1.2 User Interface Testing

GUI testing is the process of ensuring proper functionality of the GUI for a given web and making sure it conforms to its written specifications.

GUI testing evaluates design elements such as layout, colors, fonts, font sizes, labels, text boxes, text formatting, captions, buttons, lists, icons, links, content and more.

Test Objective:	Verify the following: <ul style="list-style-type: none">- Navigation through the target-of-test properly reflects business functions and requirements, including window-to-window, field-to-field, and use of access methods (tab keys, mouse movements, accelerator keys)- Window objects and characteristics, such as menus, size, position, state, and focus conform to standards.
Technique:	Create or modify tests for each window to verify proper navigation and object states for each application window and objects.
Completion Criteria:	Each window successfully verified to remain consistent with benchmark version or within acceptable standard
Special Considerations:	Not all properties for custom and third party objects can be accessed.

Table 5-6: UI Testing
6.2.1.2.1 Data and Database Integrity Testing

The data

base

Integrity

Testin

g

ses and the database processes should be tested as a subsystem within the Project. These subsystems should be tested without the target-of-test's User Interface as the interface to the data. Additional research into the Database Management System (DBMS) needs to be performed to identify the tools and techniques that may exist to support the testing identified below.

Test Objective:	Ensure database access methods and processes function properly and without data corruption.
Technique:	<ul style="list-style-type: none">- Invoke each database access method and process, seeding each with valid and invalid data or requests for data.- Inspect the database to ensure the data has been populated as intended, all database events occurred properly, or review the returned data to ensure

	that the correct data was retrieved for the correct reasons.
Completion Criteria:	All database access methods and processes function as designed and without any data corruption.
Special Considerations:	<ul style="list-style-type: none"> - Testing may require a DBMS development environment or drivers to enter or modify data directly in the databases. - Processes should be invoked manually. - Small or minimally sized databases (limited number of records) should be used to increase the visibility of any non-acceptable events.

Table 5-7: Data and Data Integrity Testing

6.2.2 Test stages

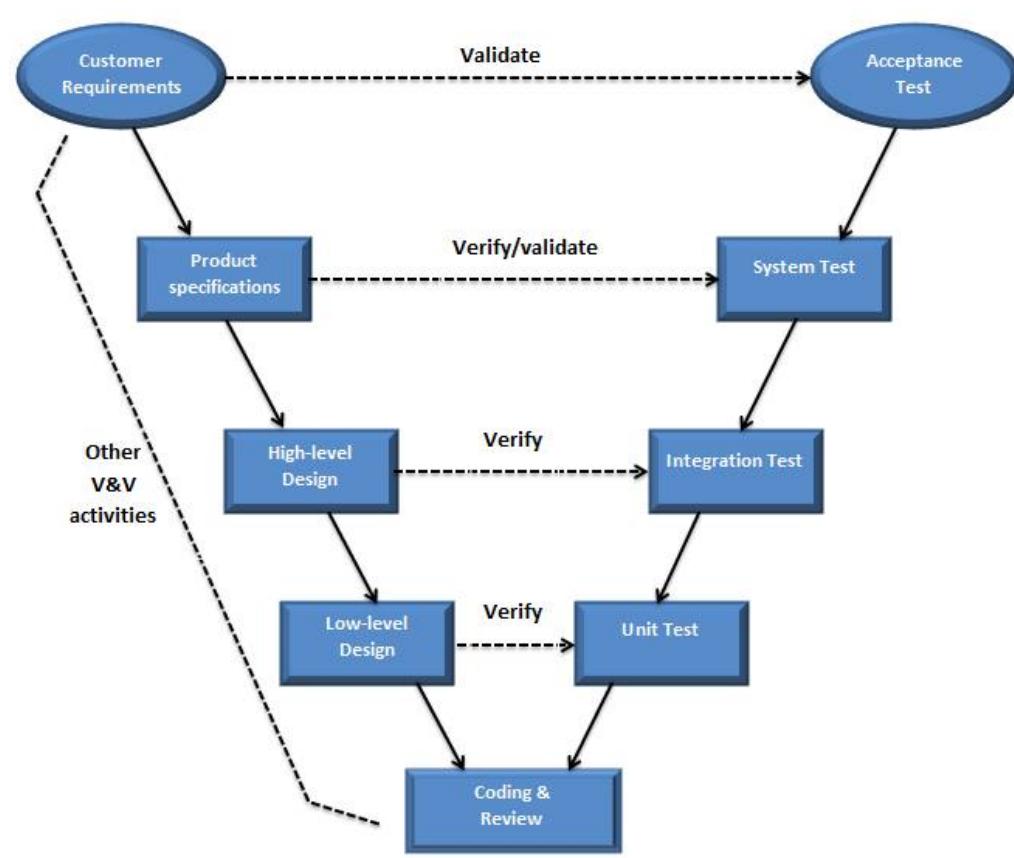
Clearly state the stage in which the test will be executed. Identified below are the stages in which common test are executed

Type of Tests	Stage of Test			
	Unit	Integration	System	Acceptance
Black box Testing		X	X	X
User Interface Testing			X	X

Table 5-8: Test stages

6.2.3 Test model

VMN follows V-Model process:

**Table 5-9: V-model process**

Testing progress is divided to 5 phases include: Unit test, Component test, Integration test, System test and Acceptance test

- Unit test:
 - Unit testing is used to verify a single minimal unit of source code. The purpose of unit testing is to isolate the smallest testable parts of DDL and verify that they function properly in isolation.
 - Unit testing is the first level of testing and is performed prior to component testing
 - Unit testing will be done by developer.
- Component test:
 - Component testing is used to validate a combined many minimal units of source code.
 - Component testing is performed after unit testing and before integration testing
 - Component testing will be done by tester
- Integration test:
 - Integration testing is a level of the software testing process where individual units or component are combined and tested as a group.
 - The purpose is to expose faults in the interaction between integrated units.

- Integration testing is performed after component testing
- Integration testing will be done by tester
- There are two methods of doing integration testing: Bottom-up Integration testing and

No	Integration Testing Method
1	<p>Bottom-up integration</p> <p>This testing begins with unit testing, followed by tests of progressively higher-level combinations of units called modules.</p>
2	<p>Top- Down integration</p> <p>This testing, the highest-level modules are tested first and progressively lower-level modules are tested after that</p>

Top Down Integration testing:

Figure 5-1: Integration test

- System test:
 - System Testing is a level of the software testing process where a complete, integrated system is tested
 - The purpose is to evaluate the system's compliance with the specified requirements
 - System testing is performed after integration testing
 - System testing will be done by tester
- Acceptance test:
 - Acceptance testing is performed after system testing
 - Acceptance testing will be performed by the test leader and team leader.
 - Acceptance testing will be done for a period of 1 weeks after completion of the system test process

6.2.4 Acceptance test criteria.

- Criteria for Unit test of Development team, for Test team accepts to start testing:
 - *Statement coverage: 100%*
 - *Branch coverage: 100%*
 - *Path coverage: 100%*
- Criteria for Integration test:
 - *Number of TC/function: 10 TC/function*
 - *Number defects/function: 1-2 defects/function*
- Criteria for System test:
 - *Number of TC/function: 20 TC/function*

- Number defects/function: 1-2 defects/function
- Criteria for Acceptance test:
 - Number defects/function: 1-2 defects/function

6.2.5 Feature not to be tested

- The stable of website when do not connect internet.
- Over than 5000 users connect to system at the same time.

6.2.6 Resources

6.2.6.1 Human resource

Worker/Doer	Role	Specific Responsibilities/Comments
QuynhHT	Test Leader	Manage Test Resource and assign test tasks. Create and review Test Plan. Create and review Test Case. Execute test. Create and review Test Report
KhanhTB	Tester	Create and review Test Case. Execute test. Create Test view points Create and review Test Report
DangNH	Tester	Create and review Test Case. Execute test. Create Test view points Create and review Test Report

Table 5-10: Human resource

6.2.6.2 Test Environment

6.2.6.2.1 Hardware

Name	Purpose	Detail
Laptop HP	Device for create and execute test	Window 7 Core i5
Macbook	Device for create and execute test	Mac OS el capital core i5
Laptop Asus	Device for create and execute test	Window 10 Core i5

Table 5-11: Hardware

6.2.6.2.2 Software

Name	Purpose	Detail

Test Plan	Managing test	Microsoft Word 2013, 2016
Test case	Executing test	Microsoft Excel 2013, 2016
Test report, Test checklist	Tracking test	Microsoft Excel 2013, 2016
Chrome	Executing test	Chrome 40.0 above
Firefox	Executing test	Firefox 30.0 above

Table 5-12: Software**6.2.6.2.3 Infrastructure**

Name	Purpose	Detail	Vendor/In-house	Version
Test Effort	Effort execute test	Microsoft Excel 2013, 2010	FPT-University	v1.0

Table 5-13: Infrastructure**6.2.7 Test milestones**

Milestone Task	Effort (pd)	Start Date	End Date
Define Test Plan	10	02/22/2016	03/04/2016
Create System Test case	3	02/22/2016	02/24/2016
Update and Review System Test case	2	02/25/2016	02/26/2016
Create Integration Test case	3	02/29/2016	03/02/2016
Update and Review System Test case	2	03/03/2016	03/04/2016
Execute Integration test round 1	4	03/07/2016	03/10/2016
Fix bug Integration test round 1	2	03/11/2016	03/14/2016
Execute System test round 1	4	03/11/2016	03/16/2016
Fix bug System test phase round 1	2	03/17/2016	03/18/2016
Update Test case result round 1	1	03/21/2016	03/21/2016
Execute Integration test round 2	3	03/22/2016	03/24/2016
Fix bug Integration test round 2	2	03/25/2016	03/28/2016
Execute System test round 2	3	03/25/2016	03/29/2016
Fix bug System test phase round 2	2	03/29/2016	03/30/2016
Create Test report	1	03/31/2016	03/31/2016

Table 5-14: Test milestones**6.2.8 Deliverables**

No	Deliverables	Responsibilities	Delivered Date
1	Test Plan	Tester	
2	Component Test case	Tester	
3	Integration Test case	Tester	
4	System Test case	Tester	
5	Defect Log Management	All members	
6	Test report	Test Leader	

Table 5-15:Deliverables**6.3 Test case**

Refer to:

- VMN_Integration Test Case_v1.0_EN.xlsx
- VMN_System Test Case_v1.0_EN.xlsx
- VMN_UnitTestCase_Controller_v1.0.xlsx

6.4 Test Report**6.4.1 System test report**

Module code	Pass	Fail	Untested	N/A	Number of test cases
Medicinal plants Article	114	0	0	0	114
Remedy Article	110	0	0	0	110
Herbal medicine store	22	0	0	0	22
Personal Page	64	0	0	0	64
Authentication	144	0	0	0	144
Mod Module	112	0	0	0	112
Admin Module	66	0	0	0	66
Homepage	30	0	0	0	30
Sub total	662	0	0	0	662

Table 5-16: System test report**6.4.2 Integration test report**

Module code	Pass	Fail	Untested	N/A	Number of test cases
User Function	76	0	0	0	76
Mod Function	44	0	0	0	44
Admin Function	22	0	0	0	22
Sub total	142	0	0	0	142

Table 5-17: Integration test report

6.4.3 Test report

Phase	Round 1				Round 2			
	Pass	Fail	Untested	N/A	Pass	Fail	Untested	N/A
Unit Test	459	0	0	0	459	0	0	0
Integration Test	142	0	0	0	142	0	0	0
System Test	470	192	0	0	662	0	0	0
Total	1071	192	0	0	1263	0	0	0

Table 5-18: Test Report

6.4.4 Defect report

Defects	Logged	%Closed	%Invalid	%Open
Critical	0	0%	0%	0%
High	3	0%	0%	0%
Medium	8	100%	0%	0%
Low	5	100%	0%	0%
Total	16	100%	0%	0%

7 USER MANUAL

7.1 Introduction

7.1.1 Purpose

This document contains guide lines step by step to deploy VMN website and This user's manual has been developed to help users better understand the requirements that may apply to use this website by providing them simple step by step tutorials. This manual is intended to help make website's functions more accessible and their associated requirements more understandable to users.

7.1.2 Environment

Following are the software required to start the VMN system:

- **Operating System: Ubuntu 14.04 LTS.**
- **Apache 2.2**
- **Browsers: Firefox 40, Chrome 44 or higher.**
- **Database: MySQL server.**
- **PHP 5.5.31 or 5.6.**
- **Composer (<https://getcomposer.org/>)**
- **Git for source checkout**

7.2 Installation Guideline

7.2.1 Create Database

Sign in to mysql by command: \$ mysql -uroot -proot;

```
tientoantai@TienToanTai:/var/www/vmn$ mysql -uroot -proot
Welcome to the MySQL monitor. Commands end with ; or \g.
```

Create database named “vmn” by command: \$ create database vmn;

```
mysql> CREATE DATABASE vmn;
```

7.2.2 Get source code for installing

Change current directory to /var/www by Using command: \$ cd /var/www

```
tientoantai@TienToanTai: ~
tientoantai@TienToanTai:~$ cd /var/www/
```

Checkout source code from <https://github.com/tientoantai/vmn.git> to directory: “/var/www” by command:

```
$ git clone "https://github.com/tientoantai/vmn.git"
```

```
tientoantai@TienToanTai:/var/www$ git clone https://github.com/tientoantai/vmn.git
Cloning into 'vmn'...
remote: Counting objects: 2683, done.
remote: Total 2683 (delta 0), reused 0 (delta 0), pack-reused 2683
Receiving objects: 100% (2683/2683), 18.70 MiB | 1.08 MiB/s, done.
Resolving deltas: 100% (1144/1144), done.
Checking connectivity... done.
```

7.2.3 Get Project's component by composer

Change current directory to project directory (using command: \$ cd “project-directory-path”).

```
tientoantai@TienToanTai:/var/www$ cd vmn/
```

Run command: \$ composer install

```
tientoantai@TienToanTai:/var/www/vmn$ composer install
```

7.2.4 Setup database structure and data sample

To setup database structure run command: \$php artisan migrate

```
tientoantai@TienToanTai:/var/www/vmn$ php artisan migrate
```

To initiate sample data using command: \$ php artisan db: seed

7.3 User Guideline

7.3.1 User Client

7.3.1.1 Register

To register account on website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>. Homepage is displayed.

Step 2: Click on Đăng ký button in header. Users will go to register page.

Step 3: Enter information and click on Đăng ký button or Đăng ký nhà thuốc link.

Đăng Ký Tài Khoản

Tên	Họ
Giới tính	
Ngày sinh	
Tên đăng nhập	
Email	
Mật khẩu	
Nhập lại mật khẩu	
Tạo tài khoản	

[Đăng ký nhà thuốc](#)

Bạn đã có tài khoản? [Đăng Nhập](#)

Figure 7-1: Register normal account screen

Đăng Ký Nhà Thuốc

Tên đăng nhập	Tên nhà thuốc
Email	Địa chỉ
Mật khẩu	Số điện thoại
Nhập lại mật khẩu	Người đại diện
Đăng ký nhà thuốc	

Bạn đã có tài khoản? [Đăng Nhập](#)

Figure 7-2: Register herbal medicine store account screen

7.3.1.2 Login

To login account on website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> . Homepage is displayed.

Step 2: Click on Đăng nhập button in header. User will go to Login page.

Step 3: User login to VMN system:

Step 3.1: User enter username and password

Step 3.2: Click on “Đăng nhập” button

Figure 7-3: Login Page

7.3.2 Search

7.3.2.1 Basic search

To use search function on website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: In Home page, click on “Cây thuốc” or “Bài thuốc” button in header.

Step 3: Input keywords and click on search icon or press enter.



Figure 7-4: Basic Search screen

Step3: Search result page is displayed.

DANH SÁCH CÂY THUỐC

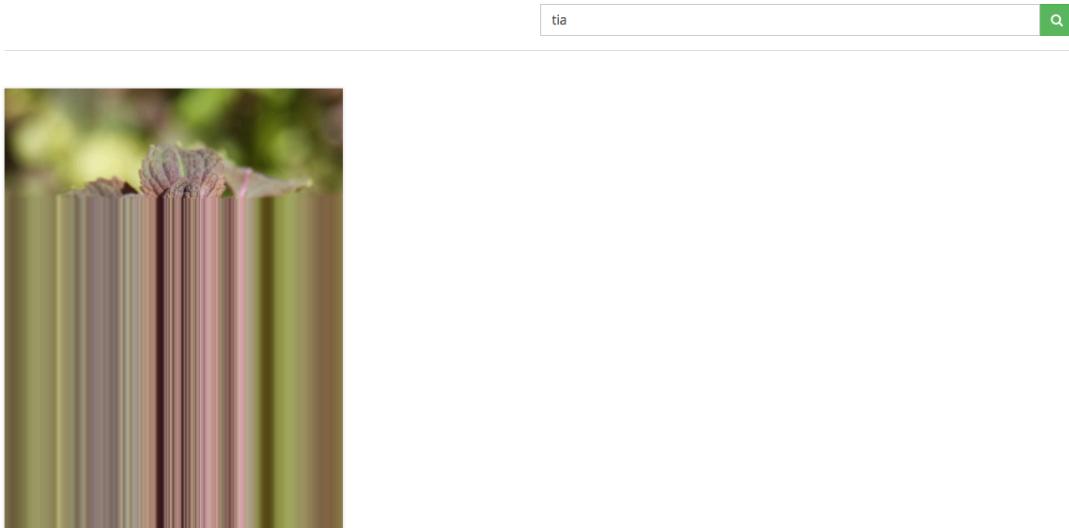


Figure 7-5: Search result screen

7.3.2.2 Advance Search Medicinal Plants

To use advance search medicinal plant function on website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> .

Step 2: In Home page, click on “Cây thuốc” button in header.

Step 3: Click on “Hiển thị tìm kiếm nâng cao” button.

Step 4: Input keywords and click on “Tìm kiếm” button.

Figure 7-6: Advance search medicinal plants

7.3.2.3 Advance Search Remedy

To use advance search remedy function on website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> .

Step 2: In Home page, click on “Bài thuốc” button in header.

Step 3: Click on “Hiển thị tìm kiếm nâng cao” button.

Step 3: Input keywords and click on “Tìm kiếm” button.

The screenshot shows a search interface with two main sections. On the left is a green header labeled 'TÌM KIẾM' containing input fields for 'Công dụng:' and 'Thành phần:' with a 'Tim kiem' button. To the right is a title 'DANH SÁCH BÀI THUỐC' with a red '1 Kết quả' button. Below the title is a card for a remedy: 'Bài thuốc giúp an thai từ ngải cứu'. It features an image of fresh green leaves, a detailed description of its use for pregnancy relief, and a note about its safety during pregnancy.

Figure 7-7: Advance Search Remedy

7.3.3 Medicinal plants

Click button Medicinal Plants in header to go to medicinal plants page.

To use contribute medicinal plants article or advance search medicinal plants function on website, the users do step below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: In home page click on button “Cây thuốc” in header.

The screenshot shows the homepage of the VMN website. At the top is a navigation bar with the VMN logo, 'TRANG CHỦ', 'CÂY THUỐC', 'BÀI THUỐC', and 'NHÀ THUỐC'. Below the navigation is a search bar with the placeholder 'Nhập tên cây thuốc để tìm kiếm' and a magnifying glass icon. A green button labeled '+Đóng góp cây thuốc' is on the left, and a blue button labeled 'Hiển thị tìm kiếm nâng cao' is on the right. Three cards are displayed below: 'Ngải cứu' (with a basket of leaves), 'Tía tô' (with purple leaves), and 'Nhọ Nồi' (with a white flower). Each card has a star rating below it.

Figure 7-8: Medicinal plants

7.3.4 Remedy

Click button Medicinal Plants in header to go to remedy page

To use contribute remedy article or advance search remedy function on website, the users do step below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: In home page click on button “Bài thuốc” in header.

DANH SÁCH BÀI THUỐC

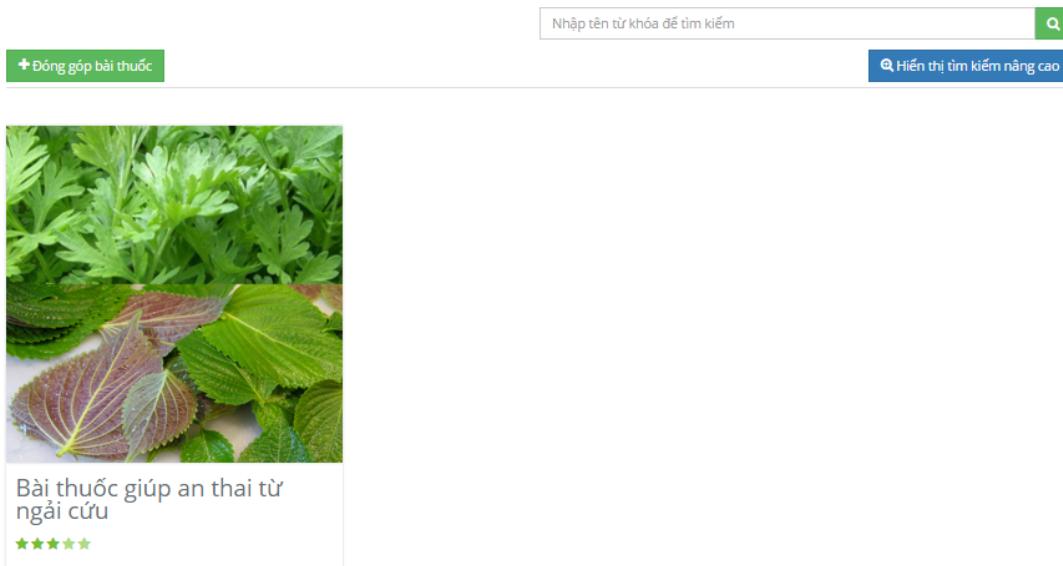


Figure 7-9: Remedy

7.3.5 Herbal medicine store

To use herbal medicine store search function on the website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on login button in header and login vmn system successful.

Step 3: Click on “Nhà thuốc” button in header.

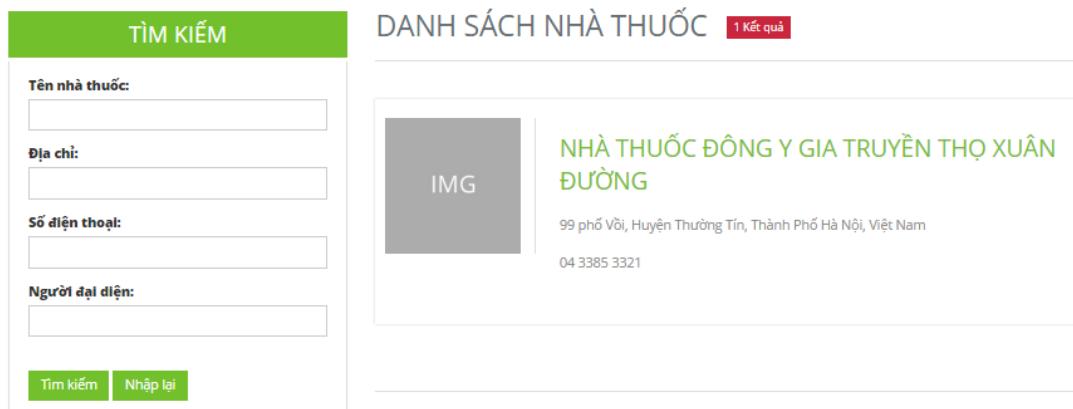


Figure 7-10: Herbal medicine store

7.3.5.1 Herbal medicine store detail

Click on herbal medicine store in herbal medicine store page to go to herbal medicine store detail.

The screenshot shows a detailed view of a specific herbal medicine store. On the left, there is a sidebar with three options: 'Thông tin' (Information), 'Bài đã đăng' (Published articles), and 'Thông báo' (Announcements). The main content area is titled 'Thông tin cá nhân' (Personal information). It displays the following details:

Tài Khoản:	thoxuanduong
Email:	dongy@thoxuanduong.com
Tên nhà thuốc:	NHÀ THUỐC ĐÔNG Y GIA TRUYỀN THỌ XUÂN ĐƯỜNG
Địa chỉ:	99 phố Või, Huyện Thường Tín, Thành Phố Hà Nội, Việt Nam
Số điện thoại:	04 3385 3321
Người đại diện:	Lương y Phùng Tuấn Giang
Ngày tham gia:	2016-04-15 15:47:52

Figure 7-11: Herbal medicine store detail

7.3.6 Add new article

7.3.6.1 Add new medicinal plants

To use add new medicinal plants function on the website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on “Đăng nhập” button in header and login vmn system successful.

Step 3: Click on “Cây thuốc” button in header.

Step 4: Click on “Đóng góp cây thuốc” button.

Kéo thả file hoặc click để upload

NHẬP THÔNG TIN CÂY THUỐC

Những thông tin có đánh dấu * là bắt buộc nhập.

Tên thường gọi:*

Tên khác:

Tên khoa học:*

Đặc điểm:*

Nơi phân bố:

Công dung:*

Đăng

Figure 7-12: Add new medicinal plants

7.3.6.2 Add new remedy

To use add new medicinal plants function on the website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on “Đăng nhập” button in header and login vmn system successful.

Step 3: Click on “Cây thuốc” button in header.

Step 4: Click on “Đóng góp cây thuốc” button.

Kéo thả file hoặc click để upload

NHẬP THÔNG TIN CÂY THUỐC

Những thông tin có đánh dấu * là bắt buộc nhập.

Tên thường gọi:*

Tên khác:

Tên khoa học:*

Đặc điểm:*

Nơi phân bố:

Công dung:*

Đăng

Figure 7-13: Add new remedy

7.3.7 Edit article

7.3.7.1 Edit medicinal plants article

To use edit medicinal plants article function on the website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on “Đăng nhập” button in header and login vmn system successful.

Step 3: Click on “Cây thuốc” button in header.

Step 4: Click on a medicinal plant article.

Step 5: Click on “Chỉnh sửa” button. (“Chỉnh sửa” button is displayed only if the user contributed this article).

NHẬP THÔNG TIN CÂY THUỐC

Tên thường gọi:	Ngải cứu
Tên khác:	Thuốc cứu, ngải diệp, nhả ngải, quá sú, cỏ linh li
Tên khoa học:	Artemisia vulgaris
Đặc điểm:	Là loại cỏ sống lâu năm, thân có rãnh dọc. Lá mọc so le không cuồng, màu 2 mặt lá khác nhau, mặt trên nhẵn, màu lục sẫm. Mặt dưới trắng tro, có nhiều lông nhỏ
Nơi phân bố:	châu Âu, châu Á, bắc Phi, Alaska và bắc Mỹ
Công dụng:	Cầm máu, Giảm đau nhức, Sát trùng, kháng khuẩn, Đ

Gửi chỉnh sửa

Figure 7-14: Edit medicinal plants

7.3.7.2 Edit remedy

To use edit remedy article function on the website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> .

Step 2: Click on “Đăng nhập” button in header and login vmn system successful.

Step 3: Click on “Bài thuốc” button in header.

Step 4: Click on a remedy article.

Step 5: Click on “Chỉnh sửa” button. (“Chỉnh sửa” button is displayed only if the user contributed this article).

NHẬP THÔNG TIN BÀI THUỐC

Kéo thả file hoặc click để upload ảnh

Những thông tin có đánh dấu * là bắt buộc nhập.

Tiêu đề:*	Bài thuốc giúp an thai từ ngải cứu
Thành phần:	[Ngải cứu] [Tiá tô]
Mô tả:*	nếu thấy có hiện tượng đau bụng, ra máu, dùng 16gr lá ngải cứu, 16gr lá tiá tô, sắc cùng với 600ml nước, sắc còn 100ml.
Cách dùng:*	Chia làm 3-4 lần uống/ngày
Lưu ý:	Ngải cứu không có tác dụng kích thích với tử cung có thai nên không gây sảy thai.
Công dụng:*	An thai

Đăng

Figure 7-15: Edit remedy

7.3.8 Article Detail

7.3.8.1 Medicinal Plants Detail

To use medicinal plants detail function on the website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on “Đăng nhập” button in header and login vmn system successful.

Step 3: Click on “Cây thuốc” button in header.

Step 4: Click on a medicinal plant article.

Tên khác:	Thuốc cứu, ngải diệp, nhài ngải, quả sú, cỏ linh li
Tên khoa học:	<i>Artemisia vulgaris</i>
Đặc điểm:	Là loại cỏ sống lâu năm, thân có rãnh dọc.Lá mọc so le không cuộn, màu 2 mặt là khác nhau, mặt trên nhẵn, mặt lục sẫm.Mặt dưới trắng tro, có nhiều lông nhão
Nơi phân bố:	châu Âu, châu Á, bắc Phi, Alasaka và bắc Mỹ
Công dụng:	Cảm máu, Giảm đau nhức, sát trùng, kháng khuẩn, Điều hòa khí huyết
Người đóng góp:	shinji
Bình giá:	★★★★★

DÁNH GIÁ (12) BÀI THUỐC LIÊN QUAN

shinji like

2016-03-07 05:13:48

Figure 7-16: Medicinal plants Detail

7.3.8.2 Remedy Detail

To use remedy detail function on the website, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on “Đăng nhập” button in header and login vmn system successful.

Step 3: Click on “Bài thuốc” button in header.

Step 4: Click on a remedy article.

NỘI DUNG BÀI THUỐC

Tiêu đề: Bài thuốc giúp an thai từ ngải cứu

Thành phần: [Ngải cứu] [Tía tô]

Mô tả: nếu thấy có hiện tượng đau bụng, ra máu, dùng 16gr lá ngải cứu, 16gr lá tía tô, sắc cùng với 600ml nước, sắc còn 100ml.

Cách dùng: Chia làm 3-4 lần uống/ngày

Lưu ý: Ngải cứu không có tác dụng kích thích với tử cung có thai nên không gây sảy thai.

Công dụng: An thai

Người đóng góp: shinji

DÁNH GIÁ (0) BÀI THUỐC LIÊN QUAN

Bình luận

Viết bình luận ...

Review ★★★★★ Gửi

Figure 7-17: Remedy Detail

7.3.9 Report

To use report function on the website, the users do the steps below:

- Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> .
- Step 2: Click on “Đăng nhập” button in header and login vmn system successful.
- Step 3: Click on “Cây thuốc” or “Bài thuốc” button in header.
- Step 4: Click on a medicinal plant or a remedy article.
- Step 5: Click on “Báo cáo” button (“Báo cáo” button is displayed only if this article is not the user’s article).

Báo cáo vi phạm

X

Nhập nguyên nhân

Gửi báo cáo

Figure 7-18: Report

7.3.10 Menu Account

7.3.10.1 User Profile

To use view user profile function, the users can do one of 2 ways below:

Way 1: User do not login vmn system.

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> .

Step 2: Click on “Cây thuốc” or “Bài thuốc” button in header.

Step 3: Click on a medicinal plant or a remedy article.

Step 4: Click on an author link of this article.

Way 2: User login vmn system successful.

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> .

Step 2: Click on user profile link in header.

The screenshot shows a user profile page with the following details:

Thông tin cá nhân		Chỉnh sửa
Tài khoản:	shinji	
Email:	waynerooney_hotboysanco@yahoo.com	
Họ tên:	Kagawa Shinji	
Sinh nhật:	11/10/1989	
Giới tính:	Nam	
Ngày tham gia:	2016-04-17 22:35:43	

On the left, there is a sidebar with three tabs: "Thông tin" (selected), "Bài đã đăng", and "Thông báo".

Figure 7-19: User Profile

7.3.10.2 Update Profile

To use change profile function, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on user profile link in header.

Step 3: Click on “Chỉnh sửa” button on user profile page.

Tài khoản	shinji
Email	waynerooney_hotboysanco@yahoo.com
Tên	Shinji
Họ	Kagawa
Ngày sinh	11/10/1989
Lưu	

Figure 7-20: Update Profile

7.3.10.3 Message Content

To use message content function, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com>.

Step 2: Click on user profile link in header.

Step 3: Click on “Thông báo” button.

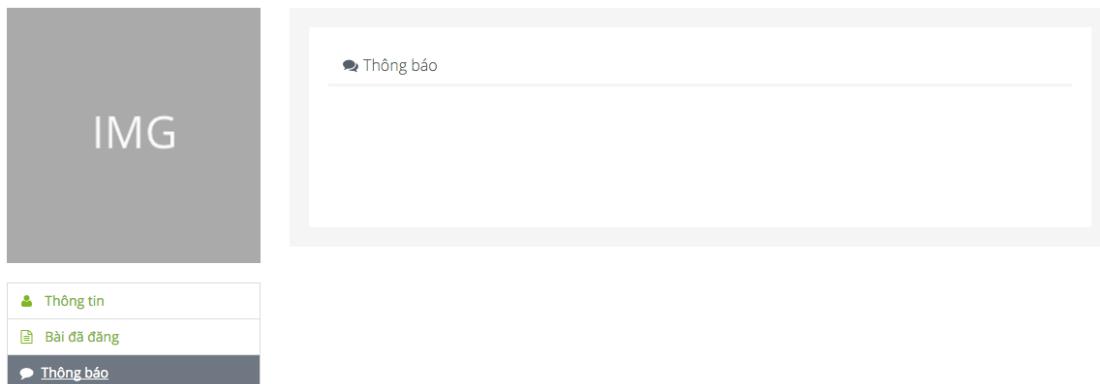


Figure 7-21: Message content

7.3.10.4 Contributed Article

To use contributed articles function, the users do the steps below:

Step 1: Open browser and enter to the address bar: <http://vmn.vnvalley.com> .

Step 2: Click on user profile link in header.

Step 3: Click on “Bài đã đăng” button.

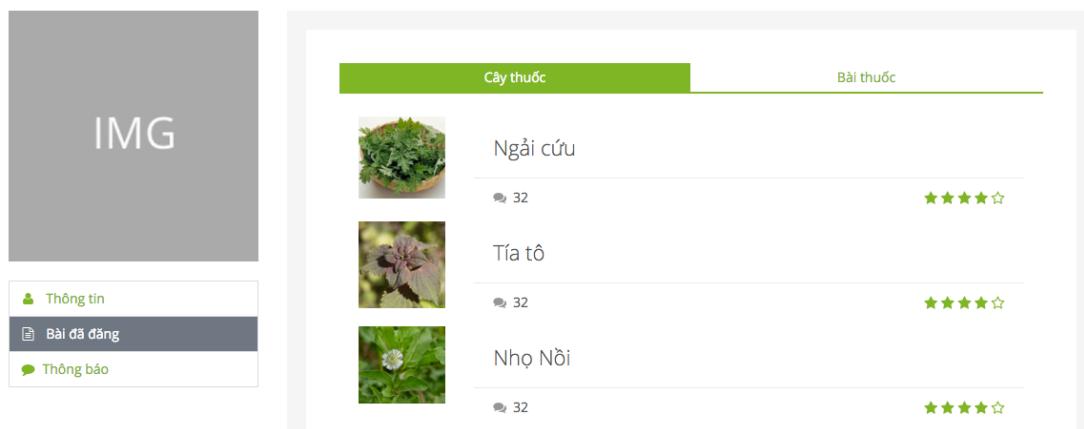


Figure 7-22: Contributed Article

7.3.11 Admin

7.3.11.1 Dashboard of Admin

To view dashboard of admin, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin> .

Step 2: Write username is “iamadmin” and password “tiennm”.

Step 3: Click login button.

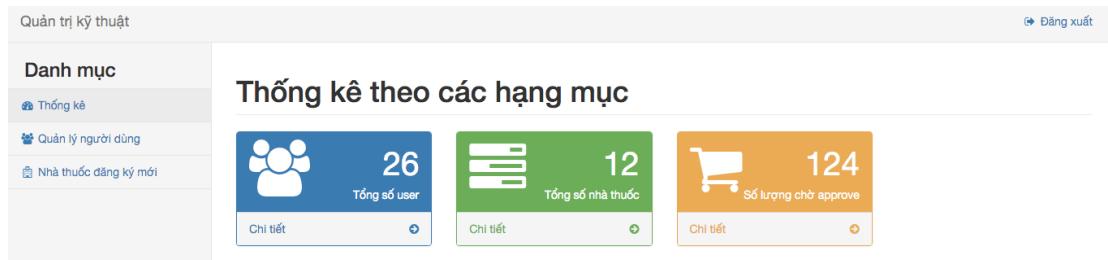


Figure 7-23: Dashboard of Admin

7.3.11.2 Member Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý người dùng” button.

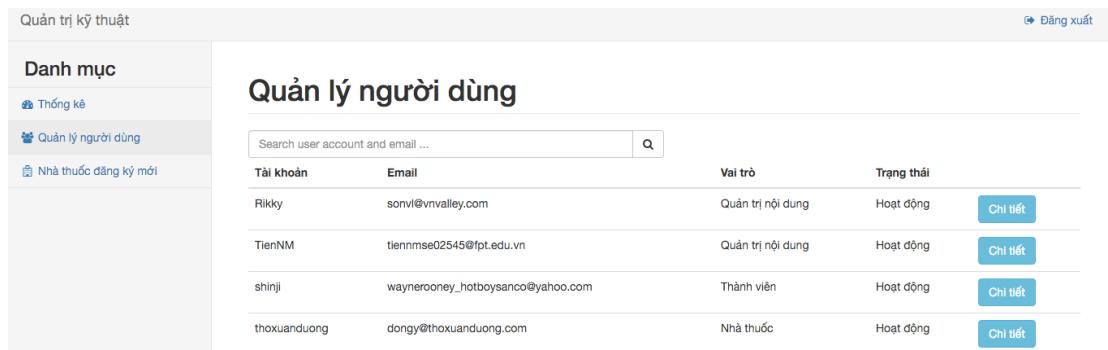


Figure 7-24: Member Management

7.3.11.3 Member Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý người dùng” button.

Step 4: Click on “Chi tiết” button of an account.

Thông tin tài khoản nhà thuốc

×

Tài khoản	Rikky
Email	sonvl@vnvalley.com
Tên	Son
Họ	Le
Ngày sinh	25/12/1990
Vai trò	Quản trị nội dung
<input style="background-color: #2e7131; color: white; border-radius: 5px; padding: 5px 10px; margin-right: 10px;" type="button" value="Lưu"/> <input style="background-color: #c0392b; color: white; border-radius: 5px; padding: 5px 10px;" type="button" value="Khóa"/>	

Figure 7-25: Member Detail

7.3.11.4 Herbal Medicine Store Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin> .

Step 2: Login successful.

Step 3: Click on “Nhà thuốc đăng ký mới” button.

Danh sách nhà thuốc đăng ký mới			
← Đăng xuất			
Tài khoản	Email	Ngày đăng ký	Hành động
dongyhangcot	boymangu94@gmail.com	2016-04-17 22:35:43	<input style="background-color: #2e7131; color: white; border-radius: 5px; border: none; padding: 2px 10px;" type="button" value="Chi tiết"/>

Figure 7-26: Herbal Medicine Store Management

7.3.11.5 Herbal Medicine Store Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin> .

Step 2: Login successful.

Step 3: Click on “Nhà thuốc đăng ký mới” button.

Step 4: Click on “Chi tiết” button of an account.

Thông tin tài khoản nhà thuốc

Tài khoản	dongyhangcot
	boymunu93@gmail.com
Email	Nhà Thuốc Đông Y Gia Truyền 15 Hàng Cót - Hà Nội
Địa chỉ	15 Hàng Cót, Hoàn Kiếm, Thành Phố Hà Nội, Việt Nam
Số điện thoại	04 8281932
Người đại diện	Lương y Nguyễn Huy Tiến
	Duyệt Từ chối

Figure 7-27: Herbal Medicine Store Detail

7.3.12 Mod

7.3.12.1 Dashboard of Mod

To view dashboard of admin, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Write username is “tiennm” and password “tiennm”.

Step 3: Click login button.



Figure 7-28: Dashboard of Mod

7.3.12.2 New Medicinal Plants Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý cây thuốc” button.

Quản lý cây thuốc

Cây thuốc mới	Cây thuốc đã sửa	Cây thuốc bị vi phạm
Danh sách cây thuốc mới		
Tên cây thuốc	Người đăng	Ngày đăng
Cỏ nén	John Lennon	25/01/2016
Cỏ nhọ nồi	Quynh HT	12/02/2016
Huyết dụ	Ronaldo	30/03/2016
		Chi tiết
		Chi tiết
		Chi tiết

Figure 7-29: New Medicinal Plants Management

7.3.12.3 New Medicinal Plants Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý cây thuốc” button.

Step 4: Click on “Chi tiết” button.



Figure 7-30: New Medicinal Plants Detail

7.3.12.4 Change Medicinal Plants Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:
<http://admin.vmn.vnvalley.com/managementLogin> .

Step 2: Login successful.

Step 3: Click on “Quản lý cây thuốc” button.

Step 4: Click on “Cây thuốc đã sửa” button.

Danh sách cây thuốc đã sửa			
Tên cây thuốc	Người đăng	Ngày đăng	
Cỏ nén	John Lennon	25/01/2016	<button>Chi tiết</button>
Cỏ nhọ nồi	Quynh HT	12/02/2016	<button>Chi tiết</button>
Huyết dụ	Ronaldo	30/03/2016	<button>Chi tiết</button>

Figure 7-31: Change Medicinal Plants Management

7.3.12.5 Change Medicinal Plants Content Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:
<http://admin.vmn.vnvalley.com/managementLogin> .

Step 2: Login successful.

Step 3: Click on “Quản lý cây thuốc” button.

Step 4: Click on “Cây thuốc đã sửa” button.

Step 5: Click on “Chỉnh sửa” button.

Thông tin bài viết

	Tên thường gọi: Ngải cứu
	Tên khác: Thuốc cứu, ngải diệp, nhả ngải, quá sú, cỏ linh li
	Tên khoa học: Artemisia vulgaris
	Đặc điểm: Là loại cỏ sống lâu năm, thân cỏ rãnh doc. Lá mọc so le không cuồng, màu 2 mặt lá khác nhau, mặt trên nhẵn, màu lục sẫm. Mặt dưới trắng tro, có nhiều lông nhõ
	Nơi phân bố: Ngải cứu có nguồn gốc ôn đới ở châu Âu, châu Á, bắc Phi, Alaska và bắc Mỹ, trong đó một số vùng coi nó là cỏ dại xâm lấn.
	Công dụng: Cảm máu, Giảm đau nhức, Sát trùng, kháng khuẩn, Điều hòa khí huyết
	Tác giả: Trần Hà

Duyệt bài viết Không duyệt bài viết

Figure 7-32: Change Medicinal Plants Content Detail

7.3.12.6 Report Medicinal Plants Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:
<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý cây thuốc” button.

Step 4: Click on “Báo cáo cây thuốc” button.

Danh sách cây thuốc vi phạm

Tên cây thuốc	Người đăng	Ngày đăng	Người báo cáo	Ngày báo cáo	
Cỏ nén	John Lennon	25/01/2016	Quynh HT	12/02/2016	<button>Chi tiết</button>
Cỏ nhọ nồi	Quynh HT	12/02/2016	Ronaldo	30/03/2016	<button>Chi tiết</button>
Huyết dụ	Ronaldo	30/03/2016	John Lennon	25/04/2016	<button>Chi tiết</button>

Figure 7-33: Report Medicinal Plants Management

7.3.12.7 Report Medicinal Plants Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý cây thuốc” button.

Step 4: Click on “Báo cáo cây thuốc” button.

Step 5: Click on “Chi tiết” button.



Thông tin bài viết

Tên thường gọi:	Ngải cứu
Tên khác:	Thuốc cứu, ngải diệp, nhả ngải, quá sú, cỏ linh li
Tên khoa học:	Artemisia vulgaris
Đặc điểm:	Là loại cỏ sống lâu năm, thân có rãnh dọc. Lá mọc so le không cuồng, màu 2 mặt lá khác nhau, mặt trên nhẵn, màu lục sẫm. Mặt dưới trắng tro, có nhiều lông nhòe
Nơi phân bố:	Ngải cứu có nguồn gốc ôn đới ở châu Âu, châu Á, bắc Phi, Alaska và bắc Mỹ, trong đó một số vùng coi nó là cỏ dại xâm lấn.
Công dụng:	Cầm máu. Giảm đau nhức, Sát trùng, Kháng khuẩn, Điều hòa khí huyết
Tác giả:	Trần Hà
⚠ Nội dung báo cáo: Đạo nhái ý tưởng, thông tin sai lệch.	

Xóa bài viết
Thoát

Figure 7-34: Report Medicinal Plants Detail

7.3.12.8 New Remedy Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý bài thuốc” button.

Quản lý bài thuốc

Bài thuốc viết mới	Bài thuốc đã sửa	Bài thuốc bị vi phạm
Danh sách bài thuốc mới		
Cỏ nén	John Lennon	25/01/2016
Cỏ nhọ nồi	Quynh HT	12/02/2016
Huyết dụ	Ronaldo	30/03/2016
		Chi tiết
		Chi tiết
		Chi tiết

Figure 7-35: New Remedy Management

7.3.12.9 New Remedy Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý bài thuốc” button.

Step 4: Click on “Chi tiết” button.

Bài thuốc chữa viêm đại tràng	
Thành phần:	
1- Mật lợn tươi: 1 cái (lợn có trọng lượng từ 70kg đến 100kg).	
2- Nghệ vàng tươi: 02 lang	
3- Mật ong: 30ml	
4- Ngải cứu tươi: 5 bó to (Tương đương với khoảng 500g).	
Cách làm:	
Nghệ tươi và ngải cứu rửa sạch, cắt nhỏ cho vào máy xay sinh tố xay cùng với 0,5 lít nước thật nhuyễn. Sau đó lọc qua vài phin lấy nước. Bã bỏ đi. Mật lợn lọc lấy nước (Vì mật lợn hay có sạn sỏi bên trong). Cho tất cả phần nước hỗn hợp nghệ + ngải cứu + nước mật lợn+ mật ong vào một nồi, quấy đều, đun nhỏ lửa để cát lại thành cao. Cho phần cao đó vào một cái lọ bảo quản trong ngăn mát tủ lạnh để sử dụng dần.	
Lưu ý:	
Để tránh mất thời gian và đủ lượng dùng, ta nên làm một lần với tỷ lệ trên cho 4 hoặc 5 cái mật lợn.	
Cách dùng:	
Mỗi ngày 2 lần: Sáng và tối, uống vào trước bữa ăn 30 phút. Liều lượng mỗi lần to như hạt lạc là đủ.	
Tác giả:	
Trần Hà	
Duyệt bài viết	Không duyệt bài viết

Figure 7-36: New Remedy Detail

7.3.12.10 Change Remedy Content Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý bài thuốc” button.

Step 4: Click on “Yêu cầu chỉnh sửa bài thuốc” button.

Danh sách bài thuốc đã sửa

Tên bài thuốc	Người đăng	Ngày đăng	
Cỏ nén	John Lennon	25/01/2016	Chi tiết
Cỏ nhọ nồi	Quynh HT	12/02/2016	Chi tiết
Huyết dụ	Ronaldo	30/03/2016	Chi tiết

Figure 7-37: Change Remedy Content Management

7.3.12.11 Change Remedy Content Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý bài thuốc” button.

Step 4: Click on “Yêu cầu chỉnh sửa bài thuốc” button.

Step 5: Click on “Chi tiết” button.

Bài thuốc chữa viêm đại tràng



Duyệt bài viết
Không duyệt bài viết

Thành phần:

1- Mật lợn tươi: 1 cái (lợn có trọng lượng từ 70kg đến 100kg).
 2- Nghệ vàng tươi: 02 củ
 3- Mật ong: 30ml
 4- Ngải cứu tươi: 5 bó to (Tương đương với khoảng 500g).

Cách làm:

Nghệ tươi và ngải cứu rửa sạch, cắt nhỏ cho vào máy xay sinh tố xay cùng với 0,5 lít nước thật nhuyễn. Sau đó lọc qua vài phin lá nước. Bã bỏ đi. Mật lợn lọc lấy nước (Vì mật lợn hay có san sỏi bên trong). Cho tất cả phần nước hỗn hợp nghệ + ngải cứu + nước mật lợn+ mật ong vào một nồi, quấy đều, đun nhỏ lửa để cát lại thành cao. Cho phần cao đó vào một cái lọ bảo quản trong ngăn mát tủ lạnh để sử dụng dần.

Lưu ý:

Để tránh mất thời gian và đủ lượng dùng, ta nên làm một lần với tỷ lệ trên cho 4 hoặc 5 cái mật lợn.

Cách dùng:

Mỗi ngày 2 lần: Sáng và tối, uống vào trước bữa ăn 30 phút. Liều lượng mỗi lần 1 viên to như hạt lạc là đủ.

Tác giả:

Trần Hà

Figure 7-38: Change Remedy Content Detail

7.3.12.12 Report Remedy Management

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý bài thuốc” button.

Step 4: Click on “Danh sách báo cáo” button.

Danh sách cây thuốc vi phạm

Tên cây thuốc	Người đăng	Ngày đăng	Người báo cáo	Ngày báo cáo	
Cỏ nén	John Lennon	25/01/2016	Quynh HT	12/02/2016	<button>Chi tiết</button>
Cỏ nhọ nồi	Quynh HT	12/02/2016	Ronaldo	30/03/2016	<button>Chi tiết</button>
Huyết dụ	Ronaldo	30/03/2016	John Lennon	25/04/2016	<button>Chi tiết</button>

Figure 7-39: Report Remedy Management

7.3.12.13 Report Remedy Detail

To use member management function, the users do the steps below:

Step 1: Open browser and enter to the address bar:

<http://admin.vmn.vnvalley.com/managementLogin>.

Step 2: Login successful.

Step 3: Click on “Quản lý bài thuốc” button.

Step 4: Click on “Danh sách báo cáo” button.

Step 5: Click on “Chi tiết” button.

Bài thuốc chữa viêm đại tràng



Xóa bài viết
Thoát

Thành phần:

1- Mật lợn tươi: 1 cái (lợn có trọng lượng từ 70kg đến 100kg).
 2- Nghệ vàng tươi: 02 củ
 3- Mật ong: 30ml
 4- Ngải cứu tươi: 5 bó to (Tương đương với khoảng 500g).

Cách làm:

Nghệ tươi và ngải cứu rửa sạch, cắt nhỏ cho vào máy xay sinh tố xay cùng với 0,5 lít nước thật nhuyễn. Sau đó lọc qua vài phin láy nước. Bã bỏ đi. Mật lợn lọc lấy nước (Vì mật lợn hay có sạn sỏi bên trong). Cho tất cả phần nước hỗn hợp nghệ + ngải cứu + nước mật lợn+ mật ong vào một nồi, quấy đều, đun nhỏ lửa để cát lại thành cao. Cho phần cao đó vào một cái lọ bảo quản trong ngăn mát tủ lạnh để sử dụng dần.

Lưu ý:

Để tránh mất thời gian và đủ lượng dùng, ta nên làm một lần với tỷ lệ trên cho 4 hoặc 5 cái mật lợn.

Cách dùng:

Mỗi ngày 2 lần: Sáng và tối, uống vào trước bữa ăn 30 phút. Liều lượng mỗi lần 1 viên to như hạt lạc là đủ.

Tác giả:
Trần Hà

⚠ Nội dung báo cáo:
Đạo nhái ý tưởng, thông tin sai lệch.

Figure 7-40: Report Remedy Detail

8 PROJECT RESULT REPORT

8.1 Product Judging

8.1.1 Advantage of VMN system

The main idea of VMN project is community health, then we develop a website where anyone can access and share their knowledge and experiences about Medicinal Plants and Remedy. Our system will provide information about medicinal plants and traditional remedies with friendly and attractive interface, member can easily get useful information, they also can share their experiences such as drink ginger tea when headache, ... Member can comment and rate with good quality article.

As the goals that we have set before started project, VMN system has been developed in right direction. And what it provides to users is listed below:

- Guest: have ability to view, like and share any Medicinal plants or Remedy Article through Facebook.
- Member: have ability to contribute, review, share Medicinal plants or Remedy article. Moreover, they also have ability to search and view HMS information.
- Admin: have ability to manage users, HMS in system. Admin can view statistic about Medicinal Plants and Remedy article.
- Mod: have ability to manage Medicinal plants and Remedy article, manage review of other member to the article.
- HMS: as a member in VMN system.

8.1.2 Expectation in Future

- Build rank member's function
- Build search medicinal plants or remedy by diseases function
- Login through Facebook, G+, ...
- Open website for advertising
- App for Android, iOS, and Window Phone.

8.2 Project Summary

Project Title		Vietnamese Medicinal Plants Network	
Project Supervisor		Nguyễn Văn Sang	
Committers (6)			
1	Project Manager	Nguyễn Minh Tiên	tiennmse02545@fpt.edu.vn
2	Team member	Hoàng Thị Quỳnh	quynhhtse02639@fpt.edu.vn
3	Team member	Trần Bình Khánh	khanhtbse02764@fpt.edu.vn
4	Team member	Nguyễn Hải Đăng	dangnhse02992@fpt.edu.vn
Main objective		Develop a system which will provide to users functionality to find, share and contribute information about Vietnamese Medicinal plants and how to uses them for healing	
Purpose		Provide a vmn (stand for Vietnamese Medicinal plants Network) online on website.	
Source Repository		https://github.com/tientoantai/vmn.git	
		Plan	Actual
Start Date		04/01/2016	04/01/2016
End Date		27/04/2016	27/04/2016
Releases version		1.0	1.0
Duration		85	85
Effort (man-hour)		1280	1280
Test cases		1200	1299
Defects		145	100
Document pages		~ 3000 pages	~ 3500 pages
LOC (Total)		~ 25000	~ 38000

Table 7-1: Project summary

Knowledge:

- Work process of FPT Software to develop a project.
- Putting the learned knowledge into practice.
- Improve skills: teamwork, leader-ship, research and self-study, plan and manage time.
- Technical: PHP, Laravel Framework, Domain Driven Development.
- Tools: Visual Paradigm, Git, Astah, Office tools, Trello, Slack.

8.3 Lesson Learnt

- Together with leadership skills, the project manager needs to be aware of the strengths and weaknesses of his/her staff, so that the talents are harnessed and the shortfalls downplayed for the benefit of the project.
- The success of a project is largely dependent on the skills and strengths of the people involved. Therefore, a project needs to have a dedicated, talented set of individuals working towards a common goal.
- If you have the knowledge and experience to make a decision, then you should go ahead and so, without expecting leader to assign you task at every turn.

- Procrastination does not work. After assimilating the relevant information, decisions need to be made. Wrong decisions can be salvaged, if discovered early; but right decisions cannot be postponed.
- Be open to change. Sometimes, you may find that the things you knew along may not be correct at this given time, under these specific conditions.
- Good communication is that which will stop mistakes from becoming failures.
- Please think carefully before making a decision because if the wrong decisions you'll have to redo it from scratch.

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