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|  |
| Capstone Project Document |

**DANDELION**

Report #1 – User Requirement Specification

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| --- | --- | --- |
| **Dandelion** | | |
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| **Project code** | DDL | |

**- Hanoi, 09/2015 –**

# SIGNATURE PAGE

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Supervisor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Effective Date** | **Change Items** | **A\*M, D** | **Change Description** | **New Version** |
| 2015/05/29 | Functional Requirement | A |  | v1.0 |
| Non-functional Requirement | A |  |
| 2015/06/11 | Use Case | M | Add new functions | v1.1 |
| Business Rules | M | Add new rules |
| Entity Relationship Diagram | M |  |
| Entity Detail | M |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# USER REQUIREMENTS SPECIFICATION

## Introduction

### Purpose

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

### Definition and Acronyms

|  |  |
| --- | --- |
| Terms | Description |
| DDL | Dandelion |
|  |  |

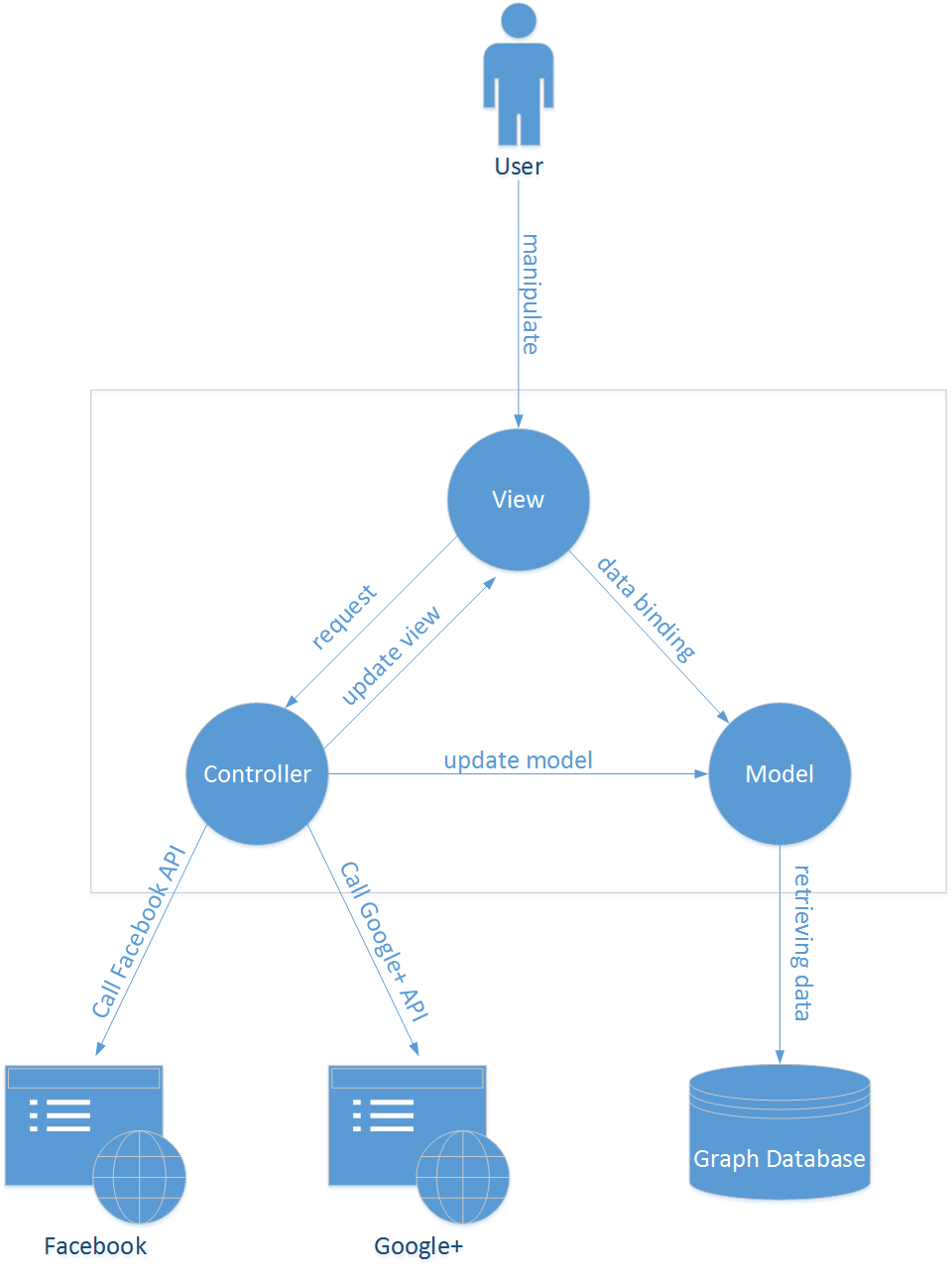
Table 1‑1: Definition and Acronyms

## Overall Description

## System Purpose

# OVERALL DESCRIPTION

## System overview



## Use Case Diagram

## Product Features

### User Characteristics

### User Documentation

### Assumption

## Entity Relation Model

### Entity-Relationship Diagram

### Entity Detail

# FUNCTIONAL SPECIFICATION

## Business Rules

|  |  |
| --- | --- |
| **No** | **Description** |
|  | Search textbox cannot be empty |
|  | Subject cannot be empty |
|  | Content cannot be empty |
|  | Subject is limited to 1000 characters |
|  | Content is limited to 1000 characters |
|  | Allowed file extension: .jpg, .png, .bmp |
|  | File size is limited to 100 MB |
|  | Comment is limited to xxx characters |
|  | If user choose Others, textbox cannot be empty |
|  | Chat box cannot be empty |
|  | Friend must be chosen, cannot be entered |
|  | Name cannot be empty |
|  | Place must be chosen |
|  | Start date and end date must be chosen |
|  | Milestones must be chosen |
|  | Post lazy loading technique displays at most 10 each time |
|  | If user accesses to nonexistent page, DDL displays error message “Page not found” |
|  | User name must be at least xxx characters |
|  | Password must be at least xxx characters |
|  | Password cannot be same as user name |
|  | Email must content characters ‘@’ and ‘.’ |
|  | Date of birth must be chosen |
|  | Phone number must be number phrase |
|  | Locked user cannot comment |
|  | Locked user cannot create post |
|  | Information of each item in friend list includes: avatar (profile picture), friend name, “User” menu |
|  | Friend request has 3 states: “pending”, “accepted”, “declined” |
|  | The target user must be available, not locked or deleted |
|  | User mouse over menu includes: avatar (profile picture), user name, “User” menu |
|  | Room’s privacy is default set to Public |
|  | Milestones default status is Not passed |
|  | Allowed file extension: avi, mp4, flv |
|  | File size is limited to 100 MB |

## Use Cases

### Common Module

#### Search

##### UC001-Search

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC001 | **Version** | 1.1 |
| **Use Case Name** | | Search by project name | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Guest & Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to search existing information about project stored on DDL by name | | |
| **Preconditions:** | | 1. DDL website is available 2. User browsed DDL website | | |
| **Trigger:** | | User enters search phrase and click Search or press Enter | | |
| **Post conditions:** | | List all results that matched with the keyword user enters will be displayed in the Search Details screen | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Enter search phrase to text box | | |
| 2 | User | Click Search or press Enter | | |
| 3 | DDL | List all results that matched with the keyword user entered | | |
| **Alternative Flows:** | | | | |
| **AT1** | At step 2 in the main flows, if user click other hyperlinks or buttons | | | |
| **Step** | **Actor** | **Action** | | |
| 2.1 | DDL | Redirects user to chosen hyperlink or button | | |
|  | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | [B1](#_Business_Rules) | | |
| **Other Information:** | | N/A | | |

#### Discover

##### UC002-Discover

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC002 | **Version** | 1.1 |
| **Use Case Name** | | Discover list of all project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Guest & Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to show all existing project stored on DDL | | |
| **Preconditions:** | | 1. DDL website is available 2. User browsed DDL website | | |
| **Trigger:** | | User click Discover | | |
| **Post conditions:** | | List all existing project will be displayed in the Discover screen | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click Discover | | |
| 2 | DDL | List all existing project | | |
| **Alternative Flows:** | | | | |
| **AT1** | At step 1 in the main flows, if user click other hyperlinks or buttons | | | |
| **Step** | **Actor** | **Action** | | |
| 1.1 | DDL | Redirects user to chosen hyperlink or button | | |
|  | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | [B1](#_Business_Rules) | | |
| **Other Information:** | | N/A | | |

### Social Module

#### Personal Page

##### UC003-Display User’s Personal Page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC003 | **Version** | 1.1 |
| **Use Case Name** | | Display user information | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | DDL records all of user’s activities and display | | |
| **Preconditions:** | | 1. DDL website is available 2. User browsed DDL website 3. User logged in to system | | |
| **Trigger:** | | User click View Profile | | |
| **Post conditions:** | | Personal Page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click Avatar image button in header | | |
| 2 | DDL | Display a menu includes:   * View Profile menu item * Logout menu item | | |
| 3 | User | Click View Profile | | |
| 4 | DDL | Redirect user to Profile page includes:   * Header * Cover image label * Profile panel * Friend panel * Facebook connect status * Contact button | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC004-View backed project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC004 | **Version** | 1.1 |
| **Use Case Name** | | Display backed project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | DDL records all project which user backed | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click View Backed Project | | |
| **Post conditions:** | | Backed Project Page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click Avatar image button in header | | |
| 2 | DDL | Display a menu includes:   * View Profile menu item * Logout menu item | | |
| 3 | User | Click View Profile | | |
| 4 | DDL | Redirect user to Profile page includes:   * Header * Backed project thumbnail | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC005-View Created Project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC005 | **Version** | 1.1 |
| **Use Case Name** | | Display created project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | DDL records all project which user backed | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click View Created Project | | |
| **Post conditions:** | | Created Project Page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click Avatar image button in header | | |
| 2 | DDL | Display a menu includes:   * View Profile menu item * Logout menu item | | |
| 3 | User | Click View Profile | | |
| 4 | DDL | Redirect user to Profile page includes:   * Header * Created project thumbnail | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC006-View Starred Project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC006 | **Version** | 1.1 |
| **Use Case Name** | | Display starred project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | DDL records all project which user starred | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click View Starred Project | | |
| **Post conditions:** | | Starred Project Page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click Avatar image button in header | | |
| 2 | DDL | Display a menu includes:   * View Profile menu item * Logout menu item | | |
| 3 | User | Click View Profile | | |
| 4 | DDL | Redirect user to Profile page includes:   * Header * Starred project thumbnail | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC007-Edit profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC007 | **Version** | 1.1 |
| **Use Case Name** | | Edit Profile | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to edit profile | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click Edit profile | | |
| **Post conditions:** | | Edit profile Page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click Avatar image button in header | | |
| 2 | DDL | Display a menu includes:   * View Profile menu item * Logout menu item | | |
| 3 | User | Click View Profile | | |
| 4 | DDL | Redirect user to Profile page includes:   * Header * Profile text box | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC008-Change Password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC008 | **Version** | 1.1 |
| **Use Case Name** | | Change password | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to change password | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click Change password | | |
| **Post conditions:** | | Change password Page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click Avatar image button in header | | |
| 2 | DDL | Display a menu includes:   * View Profile menu item * Logout menu item | | |
| 3 | User | Click View Profile | | |
| 4 | DDL | Redirect user to Profile page includes:   * Header * Password and new password text box * Mail confirm text box | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

#### Comment

##### UC009-View list comment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC009 | **Version** | 1.1 |
| **Use Case Name** | | View list comment | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | DDL show all comment of a project | | |
| **Preconditions:** | | 1. DDL website is available  2. User browsed DDL website  3. User logged in to system  4. User clicked on a project | | |
| **Trigger:** | | User click on comment tab in project information page | | |
| **Post conditions:** | | Comment tab is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click on a project | | |
| 2 | DDL | Display project information page | | |
| 3 | User | Click comment tab | | |
| 4 | DDL | Show comment tab include all comment of project | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC010-Post comment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC027 | **Version** | 1.1 |
| **Use Case Name** | | Post comment | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | User post a comment | | |
| **Preconditions:** | | 1. DDL website is available  2. User browsed DDL website  3. User logged in to system  4. User clicked on a project | | |
| **Trigger:** | | User click on comment tab in project information page | | |
| **Post conditions:** | | Comment tab is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click on a project | | |
| 2 | DDL | Display project information page | | |
| 3 | User | Click comment tab | | |
| 4 | DDL | Show comment tab include all comment of project | | |
| 5 | User | Fill the comment text box then click post | | |
| 6 | DDL | Post the comment user sent | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC011-Edit Comment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC011 | **Version** | 1.1 |
| **Use Case Name** | | Edit comment | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | User edit comment | | |
| **Preconditions:** | | 1. DDL website is available  2. User browsed DDL website  3. User logged in to system  4. User clicked on a project | | |
| **Trigger:** | | User click on comment tab in project information page | | |
| **Post conditions:** | | Comment tab is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click on a project | | |
| 2 | DDL | Display project information page | | |
| 3 | User | Click comment tab | | |
| 4 | DDL | Show comment tab include all comment of project | | |
| 5 | User | Click edit on where user’s comment posted | | |
| 6 | DDL | Show edit comment text box | | |
| 7 | User | Edit then click post | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC012-Delete Comment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC012 | **Version** | 1.1 |
| **Use Case Name** | | Delete comment | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | User edit comment | | |
| **Preconditions:** | | 1. DDL website is available  2. User browsed DDL website  3. User logged in to system  4. User clicked on a project | | |
| **Trigger:** | | User click on comment tab in project information page | | |
| **Post conditions:** | | Comment tab is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click on a project | | |
| 2 | DDL | Display project information page | | |
| 3 | User | Click comment tab | | |
| 4 | DDL | Show comment tab include all comment of project | | |
| 5 | User | Click delete on where user’s comment posted | | |
| 6 | DDL | Delete the comment | | |
|  |  |  | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

#### Login

##### UC013-Login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC013 | **Version** | 1.1 |
| **Use Case Name** | | Login by social network’s account  Login by registered account | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered User | **Secondary Actor** |  |
| **Description:** | | When Member want to login by Facebook/Google/Register account to use more functions in website | | |
| **Preconditions:** | | 1. DDL must be connected to the Internet 2. User browsed DDL website 3. Account Facebook/Google/Register must be exist and correctly 4. User are viewing Login page | | |
| **Trigger:** | | User enter flyawayplus.com | | |
| **Post conditions:** | | 1. Log user into system 2. Redirect user to previous page and display as Member | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
|  | User | Click Login in Homepage | | |
|  | DDL | Display Login popup includes:   * User name text box * Password text box * Login button * Cancel button * Facebook button * Google+ button * Forgot password hyperlink | | |
|  | User | Enters User name and Password | | |
|  | User | Click Login | | |
|  | DDL | Logs user into system | | |
|  | DDL | Close popup | | |
|  | DDL | Display previous page as Member | | |
| **Alternative Flows** | | | | |
| **AT1** | At step 3 in the main flows, if user click Facebook or Google+ button | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Redirects user to confirm site | | |
| 3.2 | DDL | Logs user into system with Facebook or Google+ account | | |
|  | | | | |
| **AT2** | At step 4, user choose Cancel: | | | |
| **Step** | **Actor** | **Action** | | |
| 4.1 | DDL | Closes popup. | | |
|  | | | | |
| **AT3** | At step 8 in the main flows, if user click other hyperlinks or buttons | | | |
| **Step** | **Actor** | **Action** | | |
| 8.1 | DDL | Redirects user to chosen hyperlink or button | | |
|  | | | | |
| **Exceptions:** | | | | |
| **EC1** | At step 4 in main flow, if user entered wrong User name or Password | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Display Login popup message with ID MSG14 | | |
| 3.2 | DDL | Mark error fields | | |
|  | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC014-Log out

##### UC015-Register

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Use Case ID** | | | UC015 | **Version** | 1.1 |
| **Use Case Name** | | | Register | | |
| **Created by:** | | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | | Guest | **Secondary Actor** |  |
| **Description:** | | | Visitor can create new account to use more function as a register user | | |
| **Preconditions:** | | | 1. DDL must be connected to the Internet 2. User browsed DDL website | | |
| **Trigger:** | | | Click on register link on the website | | |
| **Post conditions:** | | | 1. Add account information to database 2. Send confirm email 3. Logs user into system 4. Redirect user to Homepage and display as Member | | |
| **Normal Flow** | | | | | |
| **Step** | **Actor** | | **Action** | | |
|  | User | | Click Register in header | | |
|  | DDL | | Display Register page includes:   * Header * User name text box * Password text box * Email text box * Date of Birth date picker * Phone number text box * Register button * Cancel button | | |
|  | User | | Enters data in fields | | |
|  | User | | Click Register | | |
|  | DDL | | Send confirm email | | |
|  | DDL | | Logs user into system | | |
|  | DDL | | Display Homepage as Member | | |
| **Alternative Flows** | | | | | |
| **AT1** | At step 4, user click Cancel | | | | |
| **Step** | **Actor** | | **Action** | | |
| 4.1 | DDL | | Redirects user to previous page | | |
|  | | | | | |
| **AT2** | At step 4 in the main flows, if user click other hyperlinks or buttons | | | | |
| **Step** | **Actor** | **Action** | | | |
| 4.1 | DDL | Redirects user to chosen hyperlink or button | | | |
|  | | | | | |
| **Exceptions:** | | | | | |
| **EC1** | At step 4, required fields are not entered | | | | |
| **Step** | **Actor** | | **Action** | | |
| 4.1 | DDL | | Display Register page with message: with ID MSG5 | | |
| 4.2 | DDL | | Mark error fields | | |
|  | | | | | |
| **EC2** | At step 4, fields are entered with wrong type of data | | | | |
| **Step** | **Actor** | | **Action** | | |
| 4.1 | DDL | | Display Register page with message: with ID MSG6 | | |
| 4.2 | DDL | | Mark error fields | | |
|  | | | | | |
| **Priority** | | | High | | |
| **Frequency of Use:** | | | High | | |
| **Business Rules:** | | |  | | |
| **Other Information:** | | | N/A | | |

##### UC016-Forgot password

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC016 | **Version** | 1.1 |
| **Use Case Name** | | Forgot password | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | User/admin | **Secondary Actor** |  |
| **Description:** | | When Member, Admin forgot their password to login the system, this function will receiving their password to email | | |
| **Preconditions:** | | 1. DDL must be connected to the Internet 2. User browsed DDL website 3. User logged in to system | | |
| **Trigger:** | | Click Forgot password in Login popup | | |
| **Post conditions:** | | 1. Send confirm email | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
|  | User | Click Forgot password in Login popup | | |
|  | DDL | Display Email text box | | |
|  | User | Enter registered email | | |
|  | User | Click OK | | |
|  | DDL | Sends confirm email | | |
|  | DDL | Close popup | | |
| **Alternative Flows** | | | | |
| **AT2** | At step 3 in the main flow, user clicks on Cancel button | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Return to previous screen | | |
|  | | | | |
| **AT2** | At step 4 in the main flows, if user click other hyperlinks or buttons | | | |
| **Step** | **Actor** | **Action** | | |
| 4.1 | DDL | Redirects user to chosen hyperlink or button | | |
|  | | | | |
| **Exceptions:** | | | | |
| **EC1** | At step 4, entered email is invalid | | | |
| **Step** | **Actor** | **Action** | | |
| 4.1 | DDL | Displays Login popup with message: with ID MSG15 | | |
| 4.2 | DDL | Marks email text box | | |
|  | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

#### Message

##### UC017-Search Message

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC0017 | **Version** | 1.1 |
| **Use Case Name** | | Search message by content , sender | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | DDL records all project which user backed | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click Message then enters search phrase and click Search or press Enter | | |
| **Post conditions:** | | List all results that matched with the keyword user enters will be displayed in the Search Details screen | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Enter search phrase to text box | | |
| 2 | User | Click Search or press Enter | | |
| 3 | DDL | List all results that matched with the keyword user entered | | |
|  |  |  | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions:** | | | | |
| **EC1** | At step 3 in the main flows, if there is no result matched the keywords | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Display Basic Guide page with text: “Nothing found :(” | | |
|  | | | | |
| **Priority** | | Normal | | |
| **Frequency of Use:** | | Normal | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC018-Send message

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC018 | **Version** | 1.1 |
| **Use Case Name** | | Send message | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to send a message | | |
| **Preconditions:** | | 1. DDL website is available 2. User browsed DDL website 3. User logged in to system 4. User are on message page | | |
| **Trigger:** | | User enters message and click Send | | |
| **Post conditions:** | | Message page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
|  | User | Filled all information ( subject , to , content ) | | |
|  | User | Click Send | | |
|  | DDL | Send this message | | |
|  | DDL | Displays message | | |
| **Alternative Flows:** | | | | |
| **AT1** | At step 2 in the main flows, if user click other hyperlinks or buttons | | | |
| **Step** | **Actor** | **Action** | | |
| 2.1 | DDL | Redirects user to chosen hyperlink or button | | |
|  | | | | |
| **AT2** | At step 2 in the main flows, if user click other hyperlinks or buttons | | | |
| **Step** | **Actor** | **Action** | | |
| 2.1 | DDL | Redirects user to chosen hyperlink or button | | |
|  | | | | |
| **Exceptions:** | | | | |
| **EC1** | Username of who user want to send a message is not exist | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | DDL | Show a dialog error | | |
|  | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | |  | | |
| **Other Information:** | | N/A | | |

##### UC019-Delete Message

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC019 | **Version** | 1.1 |
| **Use Case Name** | | Delete message | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to delete a message | | |
| **Preconditions:** | | 1.DDL website is available  2.User browsed DDL website  3.User logged in to system  4.User are on message page | | |
| **Trigger:** | | User choose a message then click delete | | |
| **Post conditions:** | | Message page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a message | | |
| 2 | User | Click Delete | | |
| 3 | DDL | Show confirm dialog | | |
| 4 | User | Confirm | | |
| 5 | DDL | Delete message | | |
| **Alternative Flows:** | | | | |
| **AT1** | At step 2 in the main flows, if user click other hyperlinks or buttons | | | |
| **Step** | **Actor** | **Action** | | |
| 2.1 | DDL | Redirects user to chosen hyperlink or button | | |
|  | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | |  | | |
| **Other Information:** | | N/A | | |

#### Project

##### UC020-Report project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC025 | **Version** | 1.1 |
| **Use Case Name** | | Report project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to report a project | | |
| **Preconditions:** | | 1.DDL website is available  2.User browsed DDL website  3.User logged in to system  4.User are on project information page | | |
| **Trigger:** | | User click on button report | | |
| **Post conditions:** | | Project page information is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a project | | |
| 2 | User | Click Report | | |
| 3 | DDL | Show confirm dialog with question ask about reason | | |
| 4 | User | Fill reason then confirm | | |
| 5 | DDL | Send report | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | |  | | |
| **Other Information:** | | N/A | | |

##### UC021-Star project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC024 | **Version** | 1.1 |
| **Use Case Name** | | Star project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to starr a project | | |
| **Preconditions:** | | 1.DDL website is available  2.User browsed DDL website  3.User logged in to system  4.User are on project information page | | |
| **Trigger:** | | User click on button report | | |
| **Post conditions:** | | Project page information is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a project | | |
| 2 | User | Click on icon Star | | |
| 3 | DDL | Save this project into User’s Starred Project list | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | |  | | |
| **Other Information:** | | N/A | | |

##### UC022-Share project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC023 | **Version** | 1.1 |
| **Use Case Name** | | Share project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to share a project | | |
| **Preconditions:** | | 1.DDL website is available  2.User browsed DDL website  3.User logged in to system  4.User are on project information page | | |
| **Trigger:** | | User click on button report | | |
| **Post conditions:** | | Share a project page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a project | | |
| 2 | User | Click Share | | |
| 3 | DDL | Show dialog ask User confirm for share on Facebook | | |
| 4 | User | Click share to confirm | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | |  | | |
| **Other Information:** | | N/A | | |

##### UC023-Create project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC023 | **Version** | 1.1 |
| **Use Case Name** | | Create project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to create a project | | |
| **Preconditions:** | | 1.DDL website is available  2.User browsed DDL website  3.User logged in to system  4.User are on project information page | | |
| **Trigger:** | | User click on button start | | |
| **Post conditions:** | | Create a project page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Click start | | |
| 2 | DDL | Show create project page basic | | |
| 3 | User | Choose rank , type and fill project name | | |
| 4 | User | Click button Start | | |
| 5 | DDL | Show create project page detail | | |
| 6 | User | Fill all information about project | | |
| 7 | User | Click Submit for review | | |
| 8 | DDL | Send message to admin for review | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions:** | | | | |
| **EC1** | At step 3 and 6 in the main flows, if user don’t fill all information of a project | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Display Dialog to remind user | | |
|  | | | | |
| **Priority** | | Normal | | |
| **Frequency of Use:** | | Normal | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC024-Back project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC024 | **Version** | 1.1 |
| **Use Case Name** | | Back project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to back a project | | |
| **Preconditions:** | | 1.DDL website is available  2.User browsed DDL website  3.User logged in to system  4.User are on project information page | | |
| **Trigger:** | | User click on button back | | |
| **Post conditions:** | | Back a project page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a project | | |
| 2 | DDL | Show project information page | | |
| 3 | User | Click Back this project | | |
| 4 | User | Choose reward | | |
| 5 | User | Click continue | | |
| 6 | DDL | Show Backer’s information page | | |
| 7 | User | Fill all information | | |
| 8 | User | Can check or don’t check the Anonymous check box for hide info | | |
| 9 | User | Choose the bank user want to pay | | |
| 10 | User | Click submit | | |
| 11 | DDL | Submit this payment | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions:** | | | | |
| **EC1** | At step 7,8,9 in the main flows, if user miss 1 or more information | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Display Dialog to remind user | | |
|  | | | | |
| **Priority** | | Normal | | |
| **Frequency of Use:** | | Normal | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

#### Manage Project

##### UC025-Edit project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC025 | **Version** | 1.1 |
| **Use Case Name** | | Edit Project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to edit Project | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click Edit profile | | |
| **Post conditions:** | | Edit project Page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a project what user’s own | | |
| 2 | User | Click edit | | |
| 3 | User | Edit information | | |
| 4 | User | Click save | | |
| 5 | DDL | Save change | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions:** | | | | |
| **EC1** | At step 3 in the main flows, if user miss fill 1 or more information | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Display Dialog to remind user | | |
|  | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC026-View list Backer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC026 | **Version** | 1.1 |
| **Use Case Name** | | View list backer | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to edit Project | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click list backer tab | | |
| **Post conditions:** | | Project information page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a project what user’s own | | |
| 2 | User | Click on list backer tab | | |
| 3 | DDL | Show list backer table | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |

##### UC027-Add update project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID** | | UC027 | **Version** | 1.1 |
| **Use Case Name** | | Add update project | | |
| **Created by:** | | AnhDD | **Date Created:** | 24/09/2015 |
| **Primary Actor** | | Registered user | **Secondary Actor** |  |
| **Description:** | | This function allows user to edit Project | | |
| **Preconditions:** | | 1. DDL website is available  2.User browsed DDL website  3. User logged in to system | | |
| **Trigger:** | | User click add update | | |
| **Post conditions:** | | Project information page is displayed | | |
| **Normal Flow** | | | | |
| **Step** | **Actor** | **Action** | | |
| 1 | User | Choose a project what user’s own | | |
| 2 | User | Click on update tab | | |
| 3 | User | Click add update | | |
| 4 | User | Fill information about update | | |
| 5 | User | Click save | | |
| 6 | DDL | Add this update into update tab | | |
| **Alternative Flows: N/A** | | | | |
| **Exceptions: N/A** | | | | |
| **EC1** | At step 4 in the main flows, if user don’t fill information | | | |
| **Step** | **Actor** | **Action** | | |
| 3.1 | DDL | Display Dialog to remind user | | |
| **Priority** | | High | | |
| **Frequency of Use:** | | High | | |
| **Business Rules:** | | N/A | | |
| **Other Information:** | | N/A | | |