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| Capstone Project Document |

**WINGS**

Report #1 - User Requirement Specification

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**- Hanoi, 09/2016 –**

# SIGNATURE PAGE

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# USER REQUIREMENTS SPECIFICATION

## Introduction

### Purpose

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

### Definition and Acronyms

|  |  |
| --- | --- |
| Terms | Description |
| WS | WingS |
|  |  |

Table 1‑1: Definition and Acronyms

## Overall Description

### Business Process Overview

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

#### Accept/Decline Request workflow

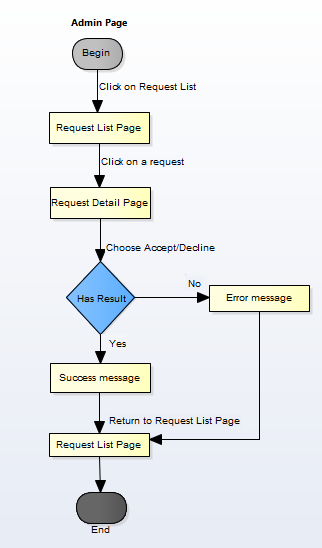


Figure 1‑1: Accept/Decline Request workflow

Brief description: Admin can use this function. Steps:

* Step 1: Admin Click on Request List.
* Step 2: System return Request list page.
* Step 3: Admin click on a Request.
* Step 4: System return Request detail page.
* Step 5: Admin click on button Accept/Decline.
* Step 6: System return success message or error message.
* Step 7: System return Request list page.

#### Ban/Unban User workflow

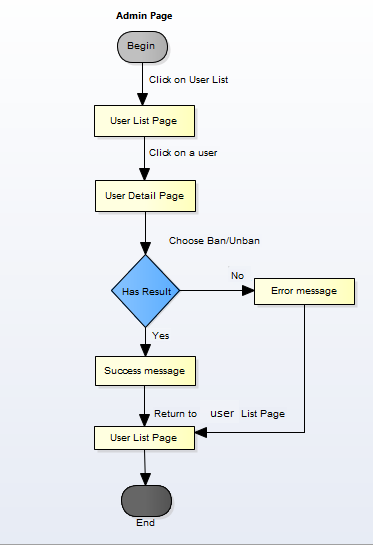


Figure 1‑2: Ban/Unban User workflow

Brief description: Admin can use this function. Steps:

* Step 1: Admin click on users list.
* Step 2: System return users list page.
* Step 3: Admin click on a user
* Step 4: System return user profile page.
* Step 5: Admin click on button Ban/Unban
* Step 6: System return success message or error message.
* Step 7: System return users list page.

#### Report a Post workflow

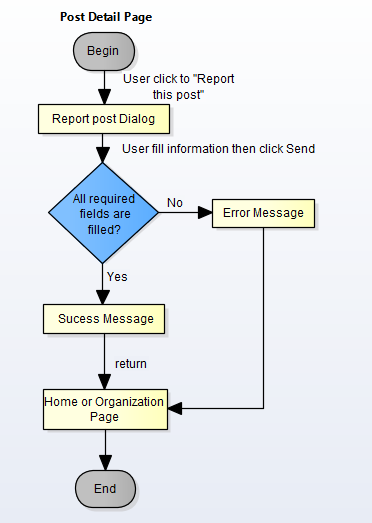


Figure 1‑3: Report a Post workflow

Brief description: Member can use this function. Steps:

* Step 1: User click to “report this post”.
* Step 2: System return “Report this post” dialog.
* Step 3: User fill information and click “Send”
* Step 4: System return success message or error message.
* Step 5: System return Home page or organization page.

#### Add slider workflow

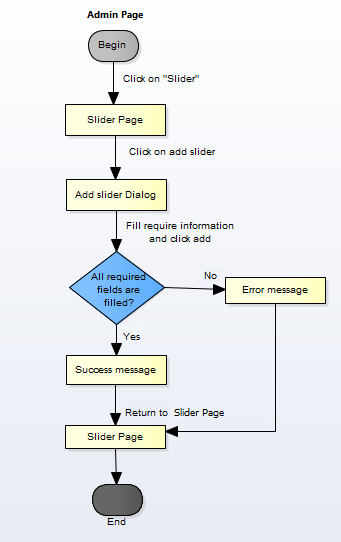


Figure 1‑4: Add slider workflow

Brief description: Admin can use this function. Steps:

* Step 1: Admin click on Slider.
* Step 2: System return slider page.
* Step 3: Admin click on button add slider.
* Step 4: System return dialog “Add Slider”.
* Step 5: Admin fill information and click “Add”
* Step 6: System return success message or error message.
* Step 7: System return slider page.

#### Send message workflow

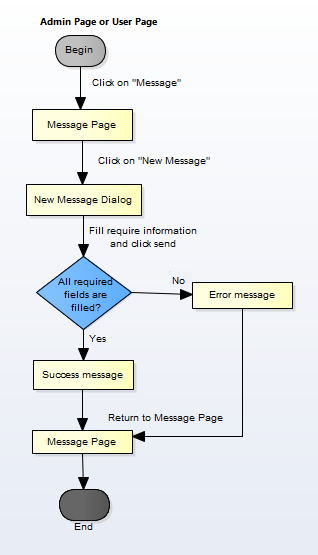


Figure 1‑5: Send message workflow

Brief description: Admin or user can use this function. Steps:

* Step 1: User click on Message.
* Step 2: System return message page.
* Step 3: User click on “new message”.
* Step 4: System return dialog “New Message”.
* Step 5: User fill information and click “Send”
* Step 6: System return success message or error message.
* Step 7: System return message page.

#### Register workflow

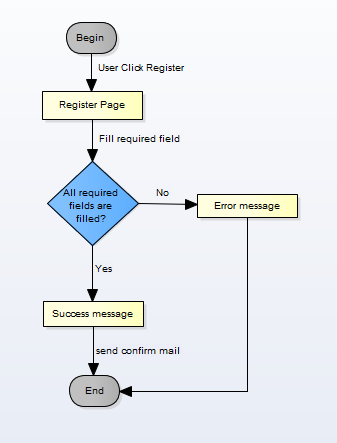


Figure 1‑6: Register workflow

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 send confirm mail to user’s entered email.

#### Search workflow

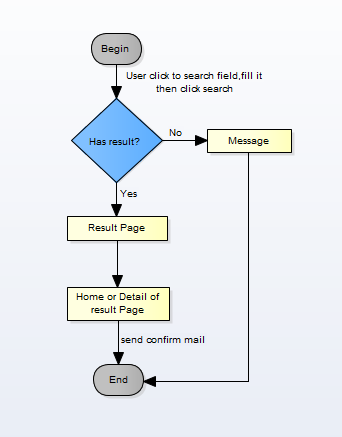


Figure 1‑7: Search workflow

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

* Step 1: User input keyword into search text box and click Search or press Enter
* Step 2: System return search results or message if found nothing.
* Step 3: User can click return to Home page or click to result to Detail Page of the result.

#### Comment workflow

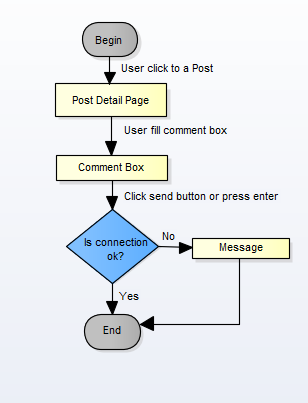


Figure 1‑8: Comment workflow

Brief description: Member can use this function. Steps:

* Step 1: User click on a post.
* Step 2: System return Post detail page.
* Step 3: User fill comment box.
* Step 4: User click send.

#### Login workflow

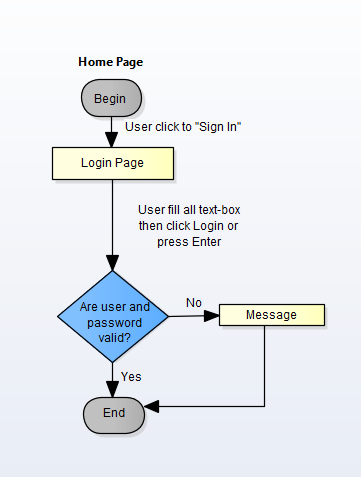


Figure 1‑9: Login workflow

Brief description: Guest can use this function. Steps:

* Step 1: At Home page click to “Sign in”.
* Step 2: System display Login Page.
* Step 3: User fill user name and password textbox then click login button.
* Step 4: System show message if login failed. System return Home page if login success

#### Create a Post workflow

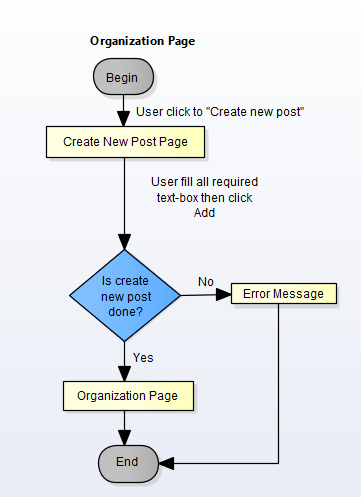


Figure 1‑10: Create a post workflow

Brief description: Member can use this function. Steps:

* Step 1: At organization user click to “Create new post”.
* Step 2: System return Create New Post page.
* Step 3: User fill all required textbox then click to “Add” button
* Step 4: System return message.
* Step 5: System return to Organization Page if success.

#### Join an organization workflow

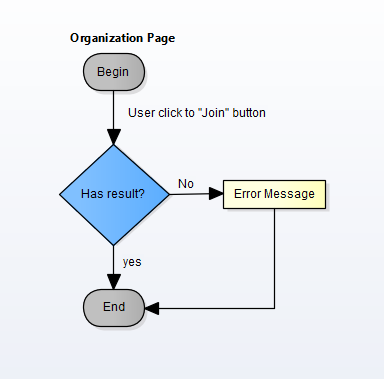


Figure 1‑11: Join an organization workflow

Brief description: Member can use this function. Steps:

* Step 1: At Organization Page click on “Join” button.
* Step 2: System return success message or error message.
* Step 3: System return Organization Page.

#### Donate workflow

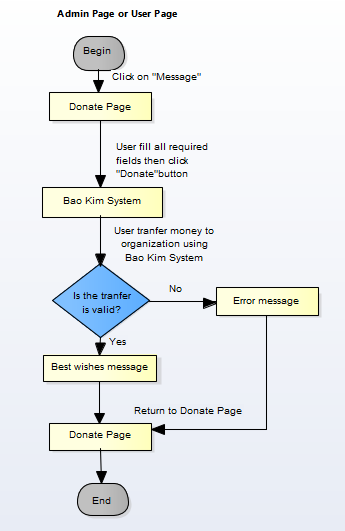
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Figure 1‑12: Donate workflow

Brief description: Member can use this function. Steps:

* Step 1: At Home Page click on “Donate” button.
* Step 2: System display Donate Page.
* Step 3: User fill all required fields then click to Donate button.
* Step 4: System will automatically linked with Bao Kim
* Step 5: User transfer money to organization by using Bao Kim System.
* Step 6: System display message.
* Step 7: Return to Home Page.

### Product Features

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

#### Client features

* **Register:** User can register an account and login to use all features of WS.
* **Login/Logout**: Users login/logout an account to use or exit system WS.
* **Search**: User and guest can search with title of posts, name of organization, and system will display all of post relate to keywords.
* **Search Advanced**: Search (Event, Discussion, Organization, User) follow location.
* **Raise Request:** User can request to create an Organization. Admin can accept or refuse.
* **Post:**
  + **Create New Post:** User (ORG) can create new post with basic info, timeline, clip and some pictures.
  + **Update Post Information**: User can change and update information of post which created.
  + **Comment/Remind/Like/Share**: Users can comment/remind/like/share a post to follow and discuss with another users.
  + **Report:** User can report a post or Organization which violate regulation to administrator.
* **Donate**: User can donate money, clothes or others for Organization to charity
* **Profile:**
  + Change password: User can change password to keep security.
  + Update profile: User can change or update information.
  + Manage created posts, reminded posts: User (ORG) can follow process of post, post reminded. View statistical post had created, reminded.
  + Sent/Receive message: Users can send to or receive from other users to discuss about events or activity.

#### Admin features

* **Login/Logout**: Admin login/logout an account to use or exit system WS
* **Manage user:**
  + Search user:Admin can search with name of user and system will display simple information about that user (name, email,...)
  + Ban/Unban user: admin can set user’s account to block or unblock.
* **Manage Post:** 
  + Search post :
    - Search with post title:Admin can search with title of post and system will display all of post relate to keywords.
    - Search with name of ORG: Admin can search with name of ORG and system will display all of post relate to keywords.
  + Edit Post status: Admin can set status of a Post: Inactive/active depend on report.
* **Manage Donate:** Admin can view users who donated . Also, Admin can view amount of money, numbers of clothes.. to rank for users.
* **Manage Requests Of Users:** 
  + View/Accept/Decline: Admin can View/Accept/Decline requests : raise a ORG, report a post of users.
* **Manage Slider:** Slider list includes images what running at homepage.
  + Add new image: Admin can add new image to slider
  + Inactive/active: Admin can set image’s status to inactive or active 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.

### User characteristic

WS makes connections that enable people to help themselves and each other. Website allows users (person or organizations) create charity topics or raise fund project as long as it follows our rules to help other people. Backers can also take part in a project by donating money through a single donation or supporting project as a regular donor publicly or privately, not to profit financially. Instead, project creators offer rewards to thank backers for their support. We hope our project can help as much people as we can in our country. If users want to use all function, they must be login.

There are 2 main actors that system support:

* **Member:** Have account on system, they can use all functions of website. For example: Searching, create post, donate etc…
* **Administrator:** They can use all functions of normal member and have an Administrator control panel to manage all configuration of system.

## Functional Requirements

### Common Function

**Access right: Guest and member**

This function is used to by guest and member. Guest or Member can search for their needs, results may be organization, post, discussion or members’ name.

### Discover Post

**Access right: Guest and member**

This function is used to view an overview of the post, event. They can read information then decided join that event, donate items… or not.

### Create Post

**Access right: Member**

This function is used to create new post. In this screen, users input event name, add media, information about event… and click on button create.

### Send/Receive messages

**Access right: Member and Administrator.**

This function is used to send and receive messages between users and users, users and admin. The system will display a Message Screen for users and admin to view message. In this screen, users can compose new message, search, filter and delete received messages/sent messages.

### Management profile

**Access right: Member**

This function is used to manage profile. The system will display a Profile Screen. In this screen, users can update, modify their information such as: name, password, age, phone number and choose which information would be public; users also can view many information such as recent joined event, donated money, user class,…

### Donate

**Access right: Member and Administrator.**

This function is used to donate money for organization. The system will display a Donate Screen that contain amount of money, information of donor, donate to which organization,…  
then click Donate button. The system will display another page that linked with Bao Kim to help user transfer money to organization through WS system.

### Management Member’s account

**Access right: Administrator**

This function is used to manage member’s account. The system will display a Management Member Screen. In this screen, admin can view information about member, status of member (active or Inactive). When a member violates some rules of website, admin can block these member’ account temporarily, then these account cannot continue to use some functions of website. Locked account will be unlocked when lock is expired or they can send message to admin to request unban. If these’ account violate rules one more time, Admin can lock account permanently.

Warn: If member violate the rules (reported by others), admin can send message to warn this people from stopping violation and delete/modify violated post. If member still violate the rules, admin will ban them.

### Management Post

**Access right: Administrator**

This function is used to manage post. Admin can delete a post that violate the rules.

### Management Overview

**Access right: Administrator**

This function is used to manage report. The system will display a Dashboard Screen to have overview all of system. In this screen, admin can view information about user and post such as the number of accessing, new users, active users, inactive users, number of post, amount of donate…

### Management Request

**Access right: Administrator**

This function is used to manage user request. The system will display a Request screen that contains all users’ request. Admin will check that request then decide accept or decline request.

## 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 system**