# Software Requirements Specification

Volunteer Recruitment System

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# Contents

1	Introduction			
	1.1	Purpose		
	1.2	Scope of Project		
	1.3	Introduction		
	1.4	Glossary		
	1.5	Overview of Document		
2	Functional Requirements Specification			
	2.1	User Use Case		
	2.2	Manager Use Case		
3	Functional Requirements			
	3.1	System Requirements		
4	Database			
	4.1	ER Diagram		
	4.2	Database		

### 1 Introduction

### 1.1 Purpose

The purpose of this document is to present a detailed description of the Volunteer Recruitment System. It will explain the purpose and features of the system, the interfaces of the system and what the system will do. This document is intended for both the stakeholders and the developers of the system.

### 1.2 Scope of Project

This software system will be a Web Publishing System for a volunteer recruitment. This system will be designed for managers to apply some activities for volunteers to take part in. By participating the volunteer activities, the system will give some integrals to users for applying a high identity. More specifically, this system is designed to allow an manager to manage publish some socially useful activities and courses. Users can participate these activities. Beside, by participating these activities, more integrals will be got for applying a new identity. Different identities have different preferential policies for buying the courses which will be good for users.

#### 1.3 Introduction

The system has two active actors, the user and the manager. Both of them are required to log in before they can access to the system, but only the user can sign up, which suppose the user to complete the personal information. The system can mainly be divided into three parts. First of all, the manager is able to initiate or edit projects that can be generated with QR code and courses, and then the user can enroll his/herself into the projects or the courses that should be paid and checked by the manager. Both of them have the access to view projects and courses lists. Besides, the user has the access to check and edit his/her personal information, as well as to check credit record, member manual, study record and activity record. Another function is that the user can submit application for his/her status. The last part is that the manager has the approach to searching users and viewing users list, users' details and user' credit records. In addition, the manager can also modify user records, identity authentication, edit discount strategy or charge information, as well as add activity records or charge information.

### 1.4 Glossary

Term	Definition
User	A person who use the system to take part in activities.
Manager	A person who manage the system and in charge of the users.
Credit	Something can be gained after taking part in a activity and after
Credit	reaching a certain number can upgrade to a new status.
Project	An offline activity that users can take part in, such as volunteering
1 Toject	work.
Course	An offline activity that should pay money for, such as having lessons.
Status	A symbol as the user, some activities may decline users that not reach
Status	a certain status, which can be upgrade when the credit is enough.
Discount	Some courses have the discount that users can pay less.
Charge information	The information about bank that is used when the user remit for
Charge information	joining a course.

### 1.5 Overview of Document

The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter. The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product. Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language. And the last chapter is the database of this project which describes the database tables will be used.

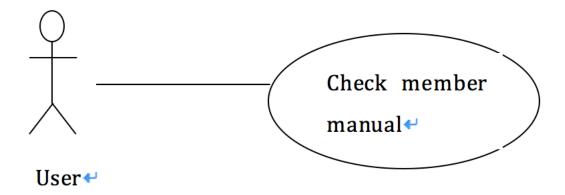
### 2 Functional Requirements Specification

This section outlines the use cases for each of the active readers separately. The manager and the users are main actors in this system.

#### 2.1 User Use Case

#### 2.1.1 Use case: Check member manual

Diagram:



#### **Brief Description**

The User access to his personal page and check his personal information.

#### Initial Step-By-Step Description

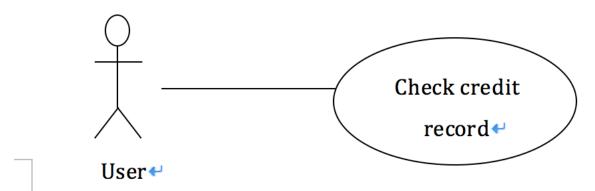
Before this use case can be built, the User has already registered and click on 'personal information' at bottom right.

- 1. The system presents his personal information.
- 2. The User can return to home page anytime.

Xref: Section 3.1.3, Check personal information

#### 2.1.2 Use case: Check credit record

## Diagram: ←



#### **Brief Description**

The User access to his personal page, then check credit record.

### Initial Step-By-Step Description

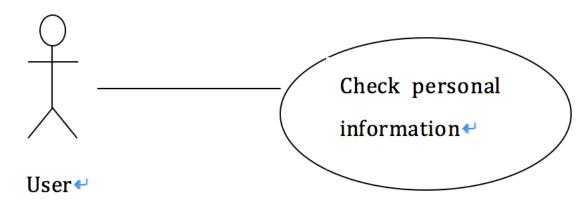
Before this use case can be built, the User has already registered and click on 'personal information' at bottom right.

- 1. The User selects to check credit record.
- 2. The system presents his credit record every time.
- 3. The User can return to his personal page anytime.

Xref: Section 3.1.2, Check credit record

#### 2.1.3 Use case: Check personal information

## Diagram: ←



### **Brief Description**

The User access to his personal page and check his personal information.

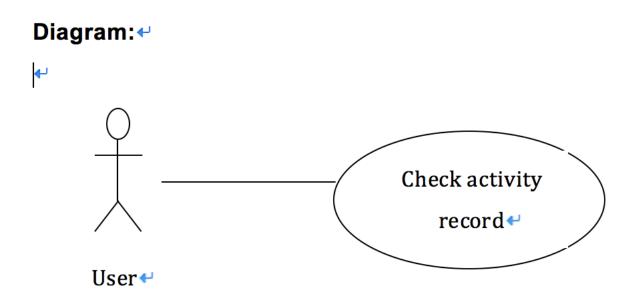
### Initial Step-By-Step Description

Before this use case can be built, the User has already registered and click on 'personal information' at bottom right.

- 1. The system presents his personal information.
- 2. The User can return to home page anytime.

Xref: Section 3.1.3, Check personal information.

#### 2.1.4 Use case: Check activity record



#### **Brief Description**

The User access to his personal page and check his activity record.

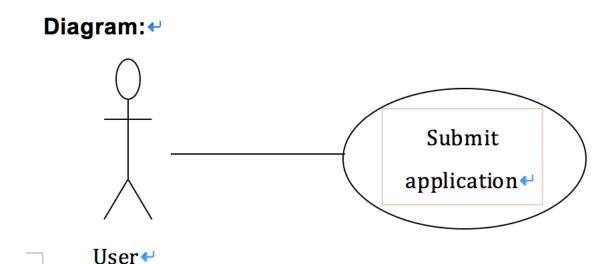
#### Initial Step-By-Step Description

Before this use case can be built, the User has already registered and click on 'personal information' at bottom right.

- 1. The system shows his/her number of activity record.
- 2. The User selects to 'Activity record'.
- 3. The system presents his activity record every time, and every record links to activity details.
- 4. The User can return to his/her personal page anytime.

Xref: Section 3.1.4, Check activity record

#### 2.1.5 Use case: Submit application



#### **Brief Description**

If the User want to change his/her status, and he/she has enough credits, then he/she needs to submit his/her statement, and wait for manager review.

#### Initial Step-By-Step Description

Before this use case can be built, the User has already registered and click on 'personal information' at bottom right.

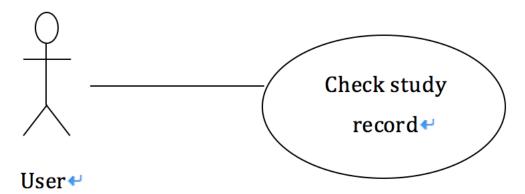
- 1. The User selects the 'status request' button.
- 2. The System shows a text area and a ?submit? button, and prompt User to write down his application.
- 3. After finish, the User click 'Submit'.

The System shows submit failed or succeeded, if failed, shows reason e.g. score were not enough, and show 'Pending' at the previous ?Submit? button.

Xref: Section 3.1.5, Submit application

#### 2.1.6 Use case: Check study record

## Diagram: ←



#### **Brief Description**

The User access to his personal page and check his study record.

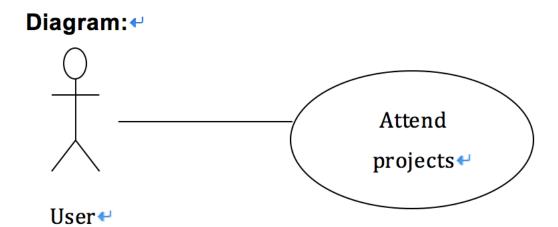
### Initial Step-By-Step Description

Before this use case can be built, the User has already registered and click on 'personal information' at bottom right.

- 1. The system shows his/her number of activity record.
- 2. The User selects to 'Study record'.
- 3. The system presents his/her study record every time, and every record links to details of the class.
- 4. The User can return to his/her personal page anytime.

Xref: Section 3.1.6, Check study record.

#### 2.1.7 Use case: Attend projects



#### **Brief Description**

The User logs in the WeChat Volunteering Website, attend projects.

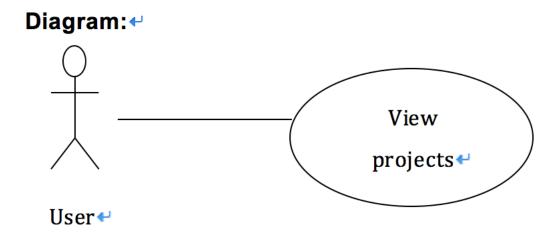
### Initial Step-By-Step Description

Before this use case can be initiated, the User has already logged in the WeChat Volunteering Website.

- 1. The User chooses social activities.
- 2. The System presents the list of projects information.
- 3. The User chooses a project to attend.
- 4. The System presents the details of the project.
- 5. The User presses enroll button.
- 6. The System enrolls the User in the database if the condition is satisfied.

Xref: Section 3.1.7, Attend projects

#### 2.1.8 Use case: View projects



#### **Brief Description**

The User logs in the WeChat Volunteering Website, view projects.

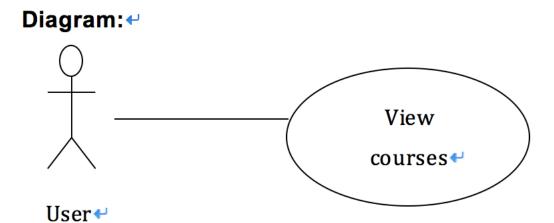
#### Initial Step-By-Step Description

Before this use case can be initiated, the User has already logged in the WeChat Volunteering Website.

- 1. The User chooses social activities.
- 2. The System presents the list of projects information.
- 3. The User chooses a project.
- 4. The System presents the details of the project to the User.

Xref: Section 3.1.8, View projects

#### 2.1.9 Use case: View Courses



### **Brief Description**

The User logs in the WeChat Volunteering Website, view courses.

### Initial Step-By-Step Description

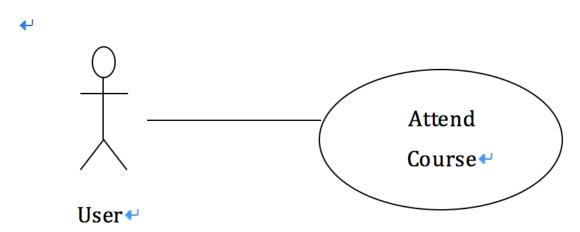
Before this use case can be initiated, the User has already logged in the WeChat Volunteering Website .

- 1. The User chooses course.
- 2. The System presents the list of courses information.
- 3. The User chooses a course.
- 4. The System presents the details of the course to the User .

Xref: Section 3.1.9, View Courses

#### 2.1.10 Use case: Attend Course

## Diagram: ←



### **Brief Description**

The User logs in the WeChat Volunteering Website, attend projects.

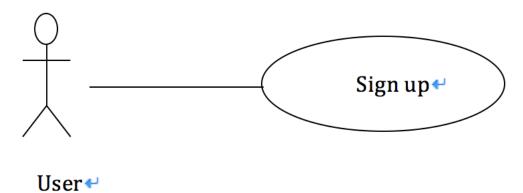
#### Initial Step-By-Step Description

Before this use case can be initiated, the User has already logged in the WeChat Volunteering Website.

- 1. The User chooses course.
- 2. The system presents s list of courses.
- 3. The User chooses a course to enroll.
- 4. The system presents the details of the course.
- 5. The User presses enroll button.
- 6. The system presents a box containing a bank account and a button already paid.
- 7. The User pays the course fee to the account and presses the button already paid. Xref: Section 3.1.10, Attend Course

#### 2.1.11 Use case: Sign up

## Diagram: ←



### **Brief Description**

The user access to the Wechat public number, go to the sign up page and complete the personal information.

### **Initial Step-By-Step Description**

Before the user sign up, he/she needs to follow the Wechat public number with interest.

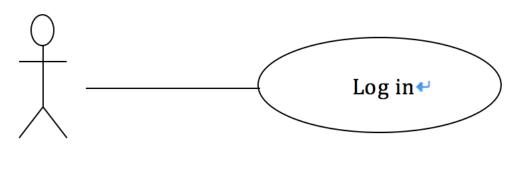
- 1. The users choose to complete the member information.
- 2. The system display the kinds of the information that the user need to fill.
- 3. The users finish the information filling process.

The system records the user?s information and stores it to database.

Xref: Section 3.1.11, Sign up

#### 2.1.12 Use case: Log in

## Diagram: ←



## User♥

#### **Brief Description**

The user goes to the log in page, enter the account and password, check the correctness and log into the system.

#### Initial Step-By-Step Description

Before the user sign up, he/she needs to sign up an account for logging in.

- 1. The users choose to log into the system.
- 2. The system displays the log in interface and asks the account and password.
- 3. The users entering the account and password required for logging in.
- 4. The system checks if the account and password are correct.

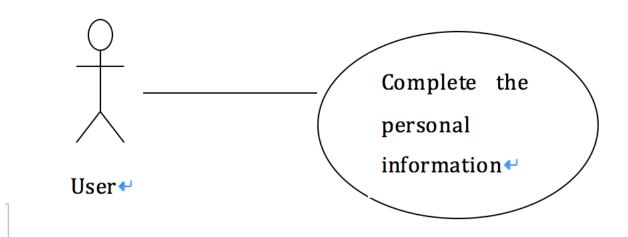
The user log into the system successfully or enter the account and password again.

Xref: Section 3.1.12, Log in

#### 2.1.13 Use case: Complete the personal information

This use case is extended by the Sign up.

## Diagram: ←



#### **Brief Description**

When the user through the sign up process, he/she needs to complete the five different kinds of information which are name, telephone number, address, birthday and gender.

#### Initial Step-By-Step Description

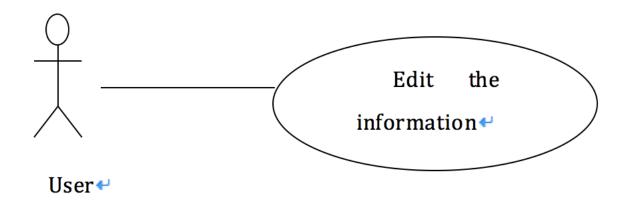
Before the user completes the personal information, he/she needs to start the sign up process.

- 1. The system provides the different kinds of information that want to be filled by user.
- 2. The user tries to complete the five kinds of information.
- 3. The system checks if the entering information format is correct.
- 4. If the information is correct, the user signs up successfully, otherwise the user re-entering the member information.

Xref: Section 3.1.13, Complete the personal information

#### 2.1.14 Use case: Edit the information

## Diagram: ←



### **Brief Description**

The user goes to the personal information page, enters the change personal information and completes it.

#### Initial Step-By-Step Description

Before the user edit, he/she needs to access to the system.

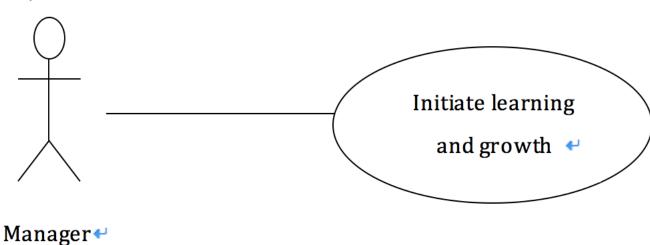
- 1. The user goes to the personal information page, click the edit link.
- 2. The system presents the edit interface that the user can change the information.
- 3. The user changed the information and save it.
- 4. The system receives the information and save it to the database.

Xref: Section 3.1.14, Edit the information

### 2.2 Manager Use Case

#### 2.2.1 Use case: Initiate learning and growth





### **Brief Description**

The Manager accesses the Web to publish a new lesson which the users can look through some information about it and sign up for it.

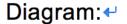
#### Initial Step-By-Step Description

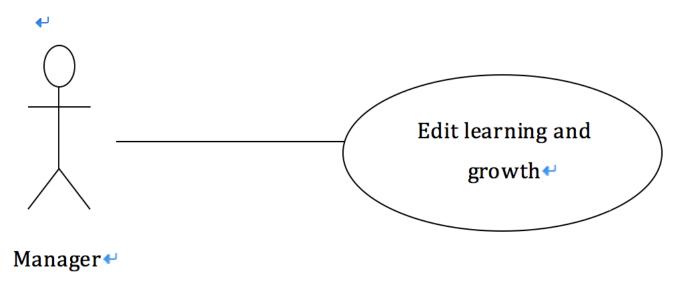
Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'Learning and Growth'.
- 2. The system displays the previous lessons has been initiated by Manager.
- 3. The Manager chooses 'Add new' button.
- 4. The system displays the details which have to be filled by Manager.
- 5. The Manager fill in some details about this lesson including theme, start time, end time, address cost and so on.
- 6. The Manager press the 'Publish' button.
- 7. The system transfers the lesson information to the website and returns the Manager to the main page of lesson.

Xref: Section 3.1.15, Initiate learning and growth

#### 2.2.2 Use case: Edit learning and growth





### **Brief Description**

The Manager accesses the Web to edit the 'learning and growth' part.

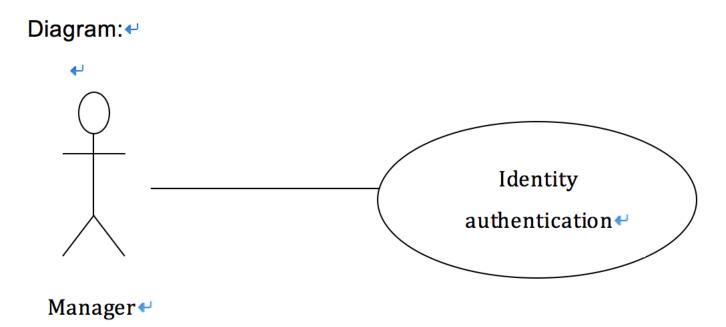
#### Initial Step-By-Step Description

Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'Learning and Growth.
- 2. The system displays the previous lessons has been initiated by Manager.
- 3. The Manager chooses one of the initiated lessons and press 'Edit' button.
- 4. The system displays the edit page.
- 5. The Manager edits some details about this lesson and press the 'Publish' button.
- 6. The system transfers the lesson information to the website and returns the Manager to the main page of lesson.

Xref: Section 3.1.16, Edit learning and growth

#### 2.2.3 Use case: Identity authentication



#### **Brief Description**

The Manager accesses the Web to audit the users' status application and agree or disagree.

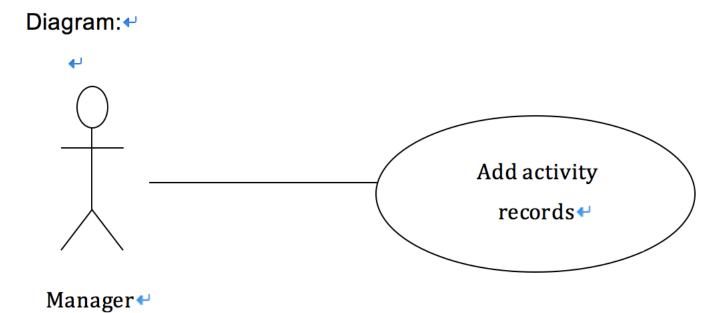
#### Initial Step-By-Step Description

Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'Identity authentication'.
- 2. The system displays the application list with applier names, identities, and apply time.
- 3. The Manager can choose one of the applications.
- 4. The system displays the detailed personal information and application statement.
- 5. The Manager will choose 'Agree' or 'Disagree' based on the personal information.
- 6. The system will put this application into 'Already Audited' page.

Xref: Section 3.1.17, Identity authentication

#### 2.2.4 Use case: Add activity records



### **Brief Description**

The Manager accesses the Web to add activity records which describe the details of the activity that has just been completed and all of the users can look through them.

#### Initial Step-By-Step Description

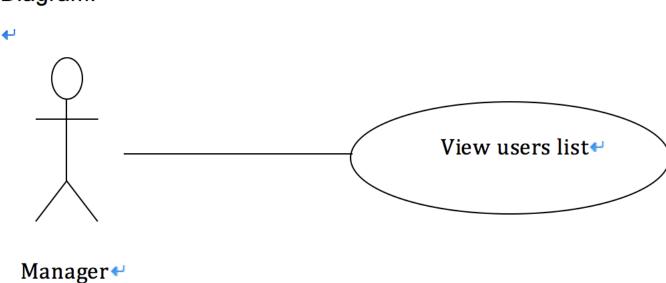
Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'Activity records'.
- 2. The system displays the previous activity records.
- 3. The Manager chooses 'Add new' button.
- 4. The system displays some details which Manager have to fill in.
- 5. The Manager fills in the details and publish the records.
- 6. The system transfers records to the website and returns Manager to the main page.

Xref: Section 3.1.18, Add activity records

#### 2.2.5 Use case: View users list

## Diagram: ←



### **Brief Description**

The Manager accesses the Web to view users list which have sign up to the website.

#### Initial Step-By-Step Description

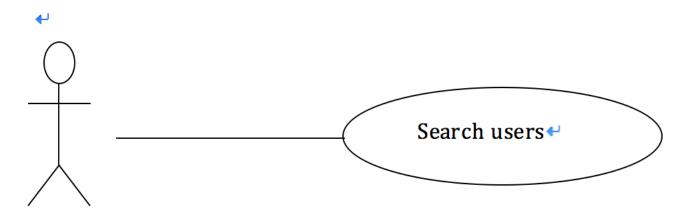
Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'View users'.
- 2. The system displays the users list including users' basic information.

Xref: Section 3.1.19, View users list

#### 2.2.6 Use case: Search users

## Diagram: ←



## Manager**←**

#### **Brief Description**

The Manager accesses the Web to publish a new lesson which the users can look through some information about it and sign up for it.

#### Initial Step-By-Step Description

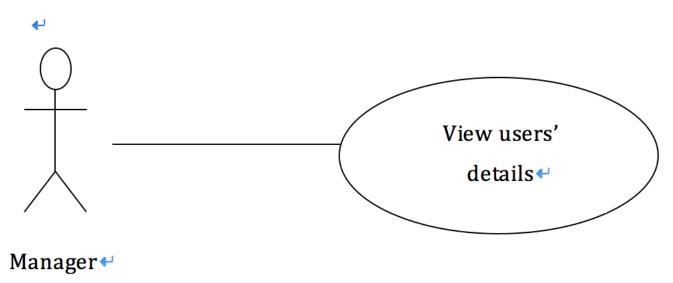
Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'Search users'.
- 2. The system displays the window of the search.
- 3. The Manager type user's phone number that want to search.
- 4. The system displays user information whose phone number is searched.

Xref: Section 3.1.20, Search users

#### 2.2.7 Use case: View users; details

## Diagram: ←



### **Brief Description**

The Manager accesses the Web to view the detailed information of users.

#### Initial Step-By-Step Description

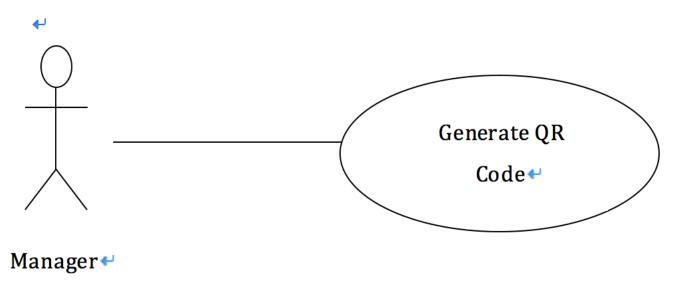
Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'View users'.
- 2. The system displays the users list.
- 3. The Manager can choose one specific user.
- 4. The system displays the detailed personal information of the user.

Xref: Section 3.1.21, View users? details

#### 2.2.8 Use case: Generate QR Code

## Diagram: ←



### **Brief Description**

The Manager generate QR code before activities start to make volunteers to scan it which can be used as attendance sheet.

#### Initial Step-By-Step Description

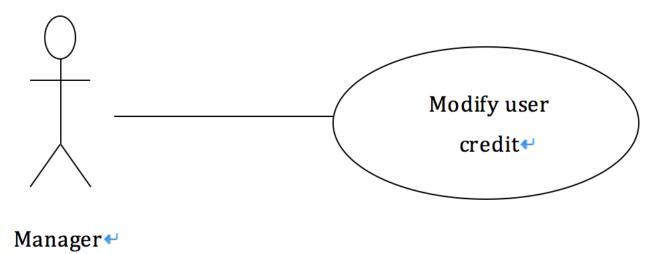
Before this use case can be initiated, the Manager has already accessed the Online Website.

- 1. The Manager selects to 'View activities'.
- 2. The system displays the public-spirited activities which are not be held.
- 3. The Manager can choose 'Generate QR code' button.
- 4. The system generates the QR code and displays it on the screen.

Xref: Section 3.1.22, Generate QR Code

#### 2.2.9 Use case: Modify user credit

## Diagram: ←



#### **Brief Description**

The Manager accesses the management system, searches for a user using phone number and modify his/her credit.

#### Initial Step-By-Step Description

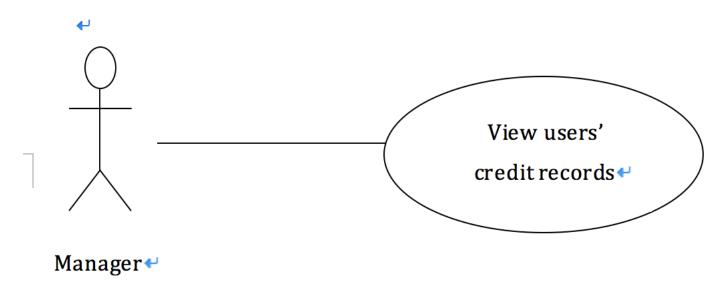
Before this use case can be initiated, the Manager has already accessed the manager interface and select Credit Management section.

- 1. The manager types in user's phone number.
- 2. The system displays the user's name.
- 3. The manager types in number of credits want to modify.
- 4. The manager chooses the reason of modification among charity activity, courses and other.
- 5. The manager confirms modification.
- 6. The system modify user credit record.

Xref: Section 3.1.23, Modify user credit

#### 2.2.10 Use case: View users' credit records

## Diagram: ←



### **Brief Description**

The manager view a list of record of all credit modification.

#### Initial Step-By-Step Description

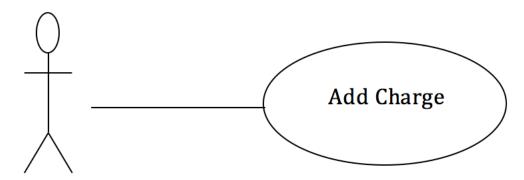
Before this use case can be initiated, the Manager has already accessed the manager interface.

- 1. The Manager chooses the credit management button.
- 2. The System shows the list of all credit modification record, sorted by time.
- 3. The Manager clicks one user's name.
- 4. The System displays this user's credit modification records.

Xref: Section 3.1.24, View users? credit records

#### 2.2.11 Use case: Add charge information

### Diagram: ←



## Manager \*

#### **Brief Description**

The Manager add a charge information into system.

#### Initial Step-By-Step Description

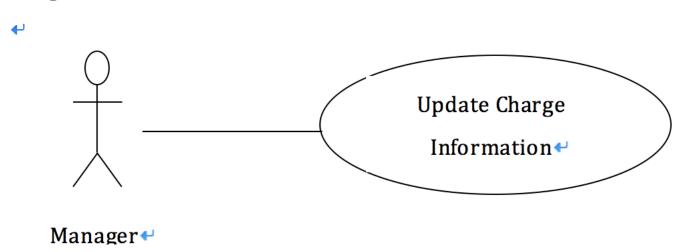
Before this use case can be initiated, the Manager has already accessed the manager interface.

- 1. The Manager chooses Finance Management button.
- 2. The System display current accounts information.
- 3. The Manager clicks New Account button.
- 4. The System prompts Manager types in Name, Bank Name, and Account number.
- 5. The Manager types in information.
- 6. The Manager clicks Save button.
- 7. The new account information saved in the system.

Xref: Section 3.1.25, Add charge information

#### 2.2.12 Use case: Update Charge information

## Diagram: ←



### **Brief Description**

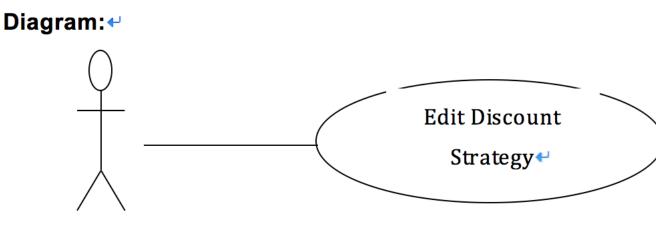
The Manager edit a charge information in system.

#### Initial Step-By-Step Description

Before this use case can be initiated, the Manager has already accessed the manager interface.

- 1. The Manager chooses Finance Management button.
- 2. The System displays a list current account information.
- 3. The Manager chooses a current account information and clicks on Edit button.
- 4. The system presents an input area filling in with the information.
- 5. The Manager modifies the information and submits the form.
- 6. The system verifies the information and returns the Manager to current account list page. Xref: Section 3.1.26, Update Charge information

#### 2.2.13 Use case: Edit Discount Strategy



## Manager \*

#### **Brief Description**

The Manager add a discount strategy of courses into system.

#### Initial Step-By-Step Description

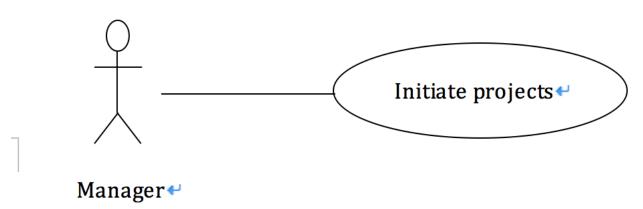
Before this use case can be initiated, the Manager has already accessed the manager interface.

- 1. The Manager chooses Discount Management button.
- 2. The System displays current discount information with five different discount number for users with different number of credits, before the first initialization, all numbers are zero.
- 3. The Manager clicks edit button.
- 4. The System enable Manager modify five numbers(percentage).
- 5. The Manager modifies five discount numbers and clicks Save button.
- 6. The system verifies the information and returns the Manager to Discount Management page.

Xref: Section 3.1.27, Edit Discount Strategy

#### 2.2.14 Use case: Initial projects

### Diagram: ←



### **Brief Description**

The Manager logs in the WeChat Volunteering Website, releases the project so that Users can take part in.

### Initial Step-By-Step Description

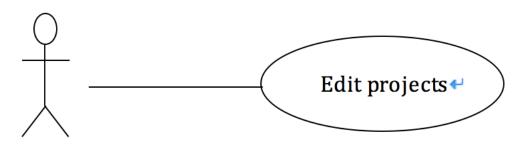
Before this use case can be initiated, the Manager has already logged in the WeChat Volunteering Website.

- 1. The Manager chooses social activities.
- 2. The system presents the list of projects that have finished.
- 3. The Manager presses add project record.
- 4. The system shows a new page with empty project information to be completed.
- 5. The Manager complete the subject, start time, end time, detailed address of the project, the number of volunteers limited, score and identity needed, as well as award.
- 6. The Manager presses the text area for describing project details.
- 7. The system presents an input box for typing to the Administer.
- 8. The Manager presses finish to submit project details including photos and videos.
- 9. The system returns to the previous page.
- 10. The Manager presses preview button.
- 11. The system shows the appearance of the project after submitted.
- 12. The Manager presses release button.
- 13. The system releases the project so that Users can take part in.

Xref: Section 3.1.28, Initial projects

#### 2.2.15 Use case: Edit projects

### Diagram: ←



## Manager <-

#### **Brief Description**

The Manager logs in the WeChat Volunteering Website, edit projects.

#### Initial Step-By-Step Description

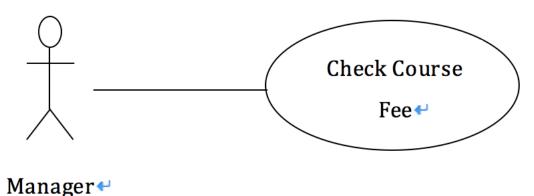
Before this use case can be initiated, the Manager has already logged in the WeChat Volunteering Website.

- 1. The Manager chooses social activities.
- 2. The system presents the list of projects.
- 3. The Manager chooses not started.
- 4. The system presents the list of projects that have not started yet.
- 5. The Manager presses edit.
- 6. The system presents a new page with the details of the project that can be edited.
- 7. The Manager edits the details he/her want to change and remains others the same as before.
- 8. The Manager presses preview.
- 9. The system the appearance of the project after submitted.
- 10. The Manager presses release button.
- 11. The system releases the edited project.

Xref: Section 3.1.29, Edit projects

#### 2.2.16 Use case: Check Course Fee

### Diagram: ←



#### **Brief Description**

The Administer logs in the WeChat Volunteering Website, check course fee and view courses.

#### Initial Step-By-Step Description

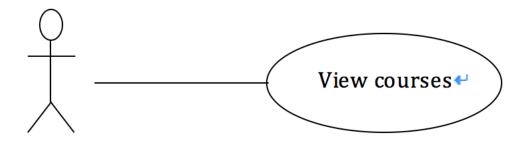
Before this use case can be initiated, the Manager has already logged in the WeChat Volunteering Website.

- 1. The Manager chooses course.
- 2. The System presents the list of courses information.
- 3. The Manager chooses a course.
- 4. The System presents the details of the course and the list of Users enrolling in it.
- 5. The Manager check the fee from the bank.
- 6. The Manager presses confirm the payment if the fee is received from the volunteer.
- 7. The System changes the state for the User to already paid.

Xref: Section 3.1.30, Check Course Fee

#### 2.2.17 Use case: View Courses

## Diagram: ←



## Manager \*

#### **Brief Description**

The Manager logs in the WeChat Volunteering Website, view courses.

#### Initial Step-By-Step Description

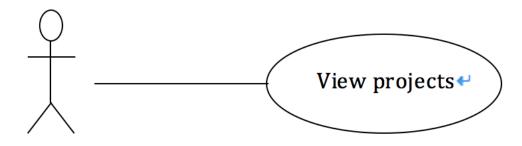
Before this use case can be initiated, the Manager has already logged in the WeChat Volunteering Website.

- 1. The Manager chooses course.
- 2. The System presents the list of courses information.
- 3. The Manager chooses a course.
- 4. The System presents the details of the course and the list of Users enrolling in it to the Manager.

Xref: Section 3.1.31, View Courses

#### 2.2.18 Use case: View projects

## Diagram: ←



## Manager \*

#### **Brief Description**

The Manager logs in the WeChat Volunteering Website, view projects.

### Initial Step-By-Step Description

Before this use case can be initiated, the Manager has already logged in the WeChat Volunteering Website.

- 1. The Manager chooses social activities.
- 2. The System presents the list of projects information.
- 3. The Manager chooses a project.
- 4. The System presents the details of the project and list of Users enrolling in it to the Manager.

Xref: Section 3.1.32, View projects

# 3 Functional Requirements

## 3.1 System Requirements

#### 3.1.1 Check member manual

Use Case Name	Check member manual
XRef	Section 2.1.1, Check member manual
Trigger	The Volunteer has selected to check member manual.
Precondition	The Volunteer has registered, and accessed to "personal information"
	page.
Basic Path	1. The system presents the member manual.
	2. The Volunteer may return to "personal information" page anytime.
Alternative Paths	None.
Postcondition	The member manual has been displayed.
Exception Paths	The Volunteer may abandon the operation at any time.
Other	None.

#### 3.1.2 Check credit record

Use Case Name	CCheck credit record
XRef	Section 2.1.2, Check credit record
Trigger	The Volunteer has selected to check credit record.
Precondition	The Volunteer has registered, and accessed to "personal information"
	page.
Basic Path	1. The system shows the total number of score.
	2. The Volunteer may request to see his each time record.
	3. The system presents a list of the volunteer?s score record.
Alternative Paths	None.
Postcondition	The requested information has been displayed.
Exception Paths	The Volunteer may abandon the operation at any time.
Other	None.

#### 3.1.3 Check personal information

Use Case Name	Check personal information
XRef	Section 2.1.3, Check personal information
Trigger	TThe Volunteer has selected to check personal information.
Precondition	The Volunteer has registered, and accessed to "personal information"
1 recondition	page.
Basic Path	1. The system shows volunteer personal information
Alternative Paths	None.
Postcondition	The requested information has been displayed.
Exception Paths	The Volunteer may abandon the operation at any time.
Other	None.

### 3.1.4 Check activity record

Use Case Name	Check member manual
XRef	Section 2.1.4, Check activity record
Trigger	The Volunteer has registered, and accessed to 'personal information' page.
Precondition	The Volunteer has registered, and accessed to "personal information"
Frecondition	page.
	1. The system shows the total number of activity that the volunteer has
	participated.
Basic Path	2. The Volunteer may request to see the full record about his activities.
	3. The system presents a list of the volunteer's activity record, and every
	record links to its activity details.
Alternative Paths	None.
Postcondition	The requested information has been displayed.
Exception Paths	The Volunteer may abandon the operation at any time.
Other	None.

## 3.1.5 Check submit application

Use Case Name	Check submit application
XRef	Section 2.1.5, Check submit application
Trigger	The Volunteer has selected to status request.
Precondition	The Volunteer has registered, and accessed to "personal information"
Precondition	page.
	1. The system shows a text area and a "submit" button.
	2. The Volunteer need to write down his application, and click "submit".
Basic Path	3. The system presents ?submit fail? if the volunteer credits is not enough,
Dasic I atii	or "submit succeed".
	4. If submit succeed, the system will show "Pending"
	at previous ?Submit? button.
Alternative Paths	None.
Postcondition	The application has been submitted.
Exception Paths	1. The Volunteer may abandon the operation at any time.
	2. The Volunteer may not write down any word.
	3. The Volunteer may leave before submitting.
Other	None.

### 3.1.6 Check study record

Use Case Name	Check study record
XRef	Section 2.1.6, Check study record
Trigger	The Volunteer has selected to check study record.
Precondition	The Volunteer has registered, and accessed to "personal information"
1 recondition	page.
	1. The system shows the total number of study record that the volunteer
	has participated.
Basic Path	2. The Volunteer may request to see the whole record about his study.
	3. The system presents a list of the volunteer's study record, and every
	record links to its class details.
Alternative Paths	None.
Postcondition	The requested information has been displayed.
Exception Paths	The Volunteer may abandon the operation at any time.
Other	None.

## 3.1.7 Attend projects

Use Case Name	Attend projects
XRef	Section 2.1.7, Attend projects
Their manager	Before this use case can be initiated, the User has already logged in the
Trigger	WeChat Volunteering Website.
Precondition	The User has accessed to the user's homepage.
	1. The User chooses social activities.
	2. The System presents the list of projects information.
	3. The User chooses a project to attend.
Basic Path	4. The System presents the details of the project.
	5. The User presses enroll button.
	6. The System enrolls the volunteer in the database if the condition is
	satisfied.
Alternative Paths	In step 5, if the User chooses preview:
	1. The system displays the previous page.
Postcondition	The User is added to the project in the database.
Exception Paths	The User may abandon enrollment at any time.
Other	None.

## 3.1.8 View projects

Use Case Name	View projects
XRef	Section 2.1.8, View projects
Thimmon	Before this use case can be initiated, the User has already logged in the
Trigger	WeChat Volunteering Website.
Precondition	The User has accessed to the manager?s homepage.
	1. The User chooses social activities.
Basic Path	2. The System presents the list of projects information.
Dasic I atii	3. The User chooses a project.
	4. The System presents the details of the project to the User.
	In step 3, if the User wants to see other parts:
Alternative Paths	1. The User chooses preview.
	2. The system presents the previous page.
Postcondition	The project? detailed information is presented.
Exception Paths	The User may abandon viewing at any time.
Other	None.

#### 3.1.9 View Courses

Use Case Name	View Courses
XRef	Section 2.1.9, View Courses
Trigger	Before this use case can be initiated, the User has already logged in the
	WeChat Volunteering Website.
Precondition	The User has accessed to the manager?s homepage.
	1. The User chooses course.
Basic Path	2. The System presents the list of courses information.
Dasic I atil	3. The User chooses a course.
	4. The System presents the details of the course to the User .
	In step 3, if the User wants to see other parts:
Alternative Paths	1. The User chooses preview.
	2. The system presents the previous page.
Postcondition	The course? detailed information is presented.
Exception Paths	The User may abandon viewing at any time.
Other	None.

### 3.1.10 Attend Coursel

Use Case Name	Attend Course
XRef	Section 2.1.10, Attend Course
Thimmon	Before this use case can be initiated, the User has already logged in the
Trigger	WeChat Volunteering Website.
Precondition	The User has accessed to the user's homepage.
	1. The User chooses course.
	2. The system presents s list of courses.
	3. The User chooses a course to enroll.
	4. The system presents the details of the course.
Basic Path	5. The User presses enroll button.
	6. The system presents a box containing a bank account and a button
	already paid.
	7. The User pays the course fee to the account and presses the button
	already paid.
Alternative Paths	In step 5, if the User chooses preview:
Alternative Paths	The system displays the previous page.
Postcondition	The User is added to the course in the database.
Exception Paths	The User may abandon enrollment at any time.
Other	None.

## 3.1.11 Sign up

Use Case Name	Sign up
XRef	Section 2.1.11, Sign up
Trigger	The user selects a sign up link.
Precondition	The user needs to follow the Wechat public number with interest.
	1. The system presents an interface to receive the sign up information.
Basic Path	2. The users try to complete all the information they need to fill.
Dasic I am	3. The users complete all the information, click the finish.
	4. The system records the information and exist the page.
Alternative Paths	If the user's entering information isn't belong to the correct
Alternative Paths	format the system need to remind the user to complete it again.
Postcondition	The sign up is completed.
Exception Paths	The attempt may be abandoned at any time.
Other	None.

### 3.1.12 Log in

Use Case Name	Log in
XRef	Section 2.1.12, Log in
Trigger	The user selects a log in link.
Precondition	The user needs to sign up an account for logging in.
	1. The system presents an interface to receive the log in information.
Basic Path	2. The users enter the account and password then submit.
Dasic I atil	3. The system checks if the account and password is correct.
	4. The user successfully logs into the system or enter again.
Alternative Paths	If the account of the user entering isn't existed,
	the system will hint the user to sign up first.
Postcondition	User log into the system successfully.
Exception Paths	The attempt may be abandoned at any time.
Other	None.

### 3.1.13 Complete the personal information

Use Case Name	Complete the personal information
XRef	Section 2.1.13, Complete the personal information
Trigger	TThe user selects a sign up link.
Precondition	The user needs to start the sign up process.
	1. The system provides the name, telephone number, address, gender and
	birthday for user to filling up.
Basic Path	2. The user complete each blank with the own information.
Dasic Fain	3. The system check the correctness of the entering information.
	4. The user completes it or does it again with wrong format of the
	information.
Alternative Paths	The user may forget to fill some of the information
Alternative Paths	so that the information process can't be completed.
Postcondition	User completes the personal information successfully.
Exception Paths	The attempt may be abandoned at any time.
Other	None.

### 3.1.14 Edit the information

Use Case Name	Edit the information
XRef	Section 2.1.14, Edit the information
Trigger	The user selects a edit link.
Precondition	The user needs to access to the system.
	1. The user want to edit the personal information.
	2. The system provide a page for user to edit the information which
Basic Path	they want to.
	3. The user completes the edit process.
	4. The system stores the information to the database.
Alternative Paths	If the entering information's format by the user is wrong then the system
	would remind that the user needs to enter the correct format information.
Postcondition	User edits the information successfully.
Exception Paths	If the edited information blank is empty then there will be an error.
Other	None.

## 3.1.15 Initiate learning and growth

Use Case Name	Initiate learning and growth
XRef	Section 2.1.15, Initiate learning and growth
Trigger	The Manager assesses the Online Website and selects to add new lessons.
Precondition	The Manager has accessed the ?Add lesson? window.
	1. The Manager selects to 'Leaning and Growth'.
	2. The system displays the previous lessons has been initiated by Manager.
	3. The Manager chooses 'Add new' button.
Basic Path	4. The system displays the details which have to be filled by Manager.
Dasic I atii	5. The Manager fill in some details about this lesson.
	6. The Manager presses the 'Publish' button.
	7. The system transfers the lesson information to the website and returns
	the Manager to the main page of lesson
	In step 6, if the Manager press 'Preview' button
	7. The system displays the preview page.
	8.The Manager presses 'back'.
Alternative Paths	9. The system returns the manager to 'Add new' page.
THICH HAVING T AUTIS	In step 8, if the Manager press 'Publish' button
	9. The system transfers the lesson information to the website and returns
	the Manager to
	the main page of lesson.
Postcondition	The new lesson is published to website and all of the users can see and
1 ostcondition	sign up.
Exception Paths	The Manager may abandon the add at any time.
	The details about new lesson include main picture, theme, start time,
	end time, specific address, numbers, integral, status, reward, cost, remittance
	information, discount, activity details.
Other	The picture part: The Manager have to upload one representative photo or
	short video.
	The discount part: fill in the percent
	The remittance information part: The Manager can choose one of account
	which we have.

## 3.1.16 Edit learning and growth

Use Case Name	Edit learning and growth
XRef	Section 2.1.16, Edit learning and growth
Trigger	The Manager assesses the Online Website and selects to edit lessons.
Precondition	The Manager has accessed the 'Edit' page.
	1. The Manager selects to "Learning and Growth".
	2. The system displays the previous lessons has been initiated by Manager.
	3. The Manager chooses one of the initiated lessons and press 'Edit' button.
Basic Path	4. The system displays the edit page.
Dasic Fatil	5. The Manager edits some details about this lesson and presses the
	'Publish' button.
	6. The system transfers the lesson information to the website and returns
	the Manager to the main page of lesson.
	In step 6, if the Manager press 'Preview' button
	7. The system displays the preview page.
	8. The Manager press 'back'.
Alternative Paths	9. The system returns the manager to 'Edit' page.
	In step 8, if the Manager press 'Publish' button
	9. The system transfers the lesson information to the website and returns
	the Manager to the main page of lesson.
Dogtoondition	The edited lesson is published to website and all of the users can see and
Postcondition	sign up.
Exception Paths	The Manager may abandon the edit at any time.
Other	The details about new lesson include main picture, theme, start time,
	end time, specific address, numbers, integral, status, reward, cost,
	remittance information, discount, activity details.

## 3.1.17 Identity authentication

Use Case Name	Identity authentication
XRef	Section 2.1.17, Identity authentication
Trigger	The Manager has accessed the web system and in the Identity audit page.
Precondition	There are some applications in the list.
	1. The Manager selects to 'Identity authentication'.
	2. The system displays the application list with applier names, identities,
	and apply time.
Basic Path	3. The Manager can choose one of the applications.
Dasic I atii	4. The system displays the detailed personal information.
	5. The Manager will choose 'Agree' or 'Disagree' based on the personal
	information.
	6. The system will put this application into 'Already Audited' page.
	In step 5, if the Manager chooses 'Disagree' and give reasons.
	6. The system jumps to a new page which displays the grids for Manager to
Alternative Paths	fill in some reasons why the application does not pass.
Alternative raths	7. The Manager fills in the reasons and press 'Send'.
	8. The system sends failed message and reasons to applier and puts this
	application into 'Already Audited' page .
Postcondition	The applications are authenticated however successful or failed.
Exception Paths	The Manager may abandon the authentication or fills in reasons at any time.
Other	When Manager abandon the authentication halfway, this application will be
	sent back to the list whose applications are to be authenticated.

# 3.1.18 Add activity records

Use Case Name	Add activity records
XRef	Section 2.1.18, Add activity records
Trigger	The Manager assesses the Online Website and in the Add activity records
page	
Precondition	The Web is displayed with grids for adding records which activity has
1 recondition	finished not very soon.
	1. The Manager selects to 'Activity records'.
	2. The system displays the previous activity records.
	3. The Manager chooses 'Add new' button.
Basic Path	4. The system displays some details which Manager have to fill in.
	5. The Manager fills in the details and publish the records.
	6. The system transfers records to the website and returns Manager to
	the main page.
	In step 3, if Manager chooses 'Edit' button.
	4. The system displays records which are not finished.
	5. The Manager chooses one of them to edit.
Alternative Paths	6. The system displays the record page which have to be filled in by
	Manager.
	In step 5, if the abandon editing records and chooses 'Save' button.
	6. The system save the changed which have been made.
Postcondition	The new records are finished and transferred to the website which can
	be read by every user.
Exception Paths	The Manager may abandon the editing at any time.
Other	The Manager abandon the editing of the records, the system should
Other	save changes which have been made.

#### 3.1.19 View users list

Use Case Name	View users list
XRef	Section 2.1.15, View users list
Trigger	The Manager assesses the Online Website
Precondition	None.
Basic Path	1. The Manager selects to 'View users'.
	2. The system displays the users list including users? basic information.
Alternative Paths	None.
Postcondition	The users list has been displayed
Exception Paths	The Manager may abandon the operation at any time.
Other	None.

#### 3.1.20 Search users

Use Case Name	Search users
XRef	Section 2.1.20, Search users
Trigger	The Manager assesses the Online Website and in the search page.
Precondition	The Web is displayed with grids for searching
	1. The Manager selects to 'Search users'.
Basic Path	2. The system displays the page of the search.
Dasic I atil	3. The Manager type user's phone number that want to search.
	4. The system displays the list of phone number which is searched.
Alternative Paths	In step 3, if the Manager selects to search by name.
	1. The system displays the list of name which is searched.
Postcondition	The requested user's information has been displayed.
Exception Paths	The Manager may abandon the search at any time.
Other	None.

#### 3.1.21 View users' details

Use Case Name	View users' details
XRef	Section 2.1.21, View users' details
Trigger	The Manager assesses the Online Website.
Precondition	The Web is displayed with all of the users signed up.
	1. The Manager selects to 'View users'.
Basic Path	2. The system displays the users list.
Dasic I atii	3. The Manager can choose one specific user.
	4. The system displays the detailed personal information of the user.
	In step 3, if the Manager want to find goal user immediately.
	4. The Manager can use search function to input phone number or user
	name to search specific user.
Alternative Paths	5. The system displays the list of user which is searched.
	6. The Manager chooses one who is wanted.
	7. The system displays the detailed information about the user who is
	searched.
Postcondition	The requested detailed information has been displayed.
Exception Paths	The Manager may abandon the operation at any time.
	When the Manager checked one of the user's information then,
Other	Manager can choose 'back' to the users list page to check other users'
	detailed information.
	The detailed information include: Name, Gender, Birthday, Phone number,
	Address, Identity, activity numbers, course numbers and Integral.

### 3.1.22 View users' details

Use Case Name	View users' details
XRef	Section 2.1.22, View users' details
Trigger	The Manager assesses the Online Website and in the 'View activities' page.
Precondition	There is activity which is not held.
	1. The Manager selects to 'View activities'.
Basic Path	2. The system displays the public-spirited activities which are not be held.
Basic Patin	3. The Manager can choose 'Generate QR code' button.
	4. The system generates the QR code and displays it on the screen.
Alternative Paths	None.
Postcondition	The QR code has been displayed.
Exception Paths	The Manager may generate the QR code many times.
Other	No matter how many times the Manager generate the QR code,
	the code can be scanned as attendance sheet for this activity.

### 3.1.23 Modify user credit

Use Case Name	Modify user credit
XRef	Section 2.1.23, Modify user credit
Trigger	Before this use case can be initiated, the Manager has
Trigger	already accessed the manager interface and select Credit Management section.
Precondition	The System displays an input area for searching
	1. The manager types in user?s phone number.
	2. The system displays the user?s name.
	3. The manager types in number of credits want to modify.
Basic Path	4. The manager chooses the reason of modification among charity activity,
	courses and other.
	5. The manager confirms modification.
	6. The system modify user credit record
	In step 1, if the manager inputs a invalid number:
Alternative Paths	1. the system displays an alert saying user doesn't exit.
	2. The Manager clicks ok and back to initial state again.
Postcondition	The user's credit changes in the database.
Exception Paths	The Reader may abandon modification at any time.
Other	None.

### 3.1.24 View users' credit

Use Case Name	View users' credit
XRef	Section 2.1.24, View users' credit
Trigger	The Editor has selected to users' credit management section.
Precondition	The Manager has already accessed the manager interface.
	1. The Manager chooses the credit management button.
	2. The System shows the list of all credit modification record, sorted
Basic Path	by time.
	3. The Manager clicks one user's name.
	4. The System displays this user's credit modification records.
Alternative Paths	None.
Postcondition	The requested information has been displayed.
Exception Paths	The Editor may abandon the operation at any time.
Other	1. The record consists user name, phone number, modification date,
	reason and number of credit.
	2. The list is sorted by date

## 3.1.25 Add Charge Information

Use Case Name	Add Charge Information			
XRef	Section 2.2.11, Add Charge Information			
Trigger	The Manager selects to add a new charge information to the database.			
Precondition	The Manager has already accessed the manager interface.			
	1. The Manager chooses Finance Management button.			
	2. The System display current accounts information.			
	3. The Manager clicks New Account button.			
Basic Path	4. The System prompts Manager types in Name, Bank Name,			
Dasic I atii	and Account number.			
	5. The Manager types in information.			
	6. The Manager clicks Save button.			
	7. The new account information saved in the system			
Alternative Paths	If in step 6, either field is blank, the Manager is instructed to			
Antennative I atms	add an entry. No validation for correctness is made.			
Postcondition	The New account information has been added to the database.			
Exception Paths	The Manager may abandon the operation at any time.			
Other	The charge information includes account owner name, bank name			
Other	and card number.			

## 3.1.26 Update Charge Information

Use Case Name	Update Charge Information		
XRef	Section 2.2.12, Update Charge Information		
Trigger	The Manager selects to edit a charge information in the database.		
Precondition	The Manager has already accessed the manager interface.		
	1. The Manager chooses Finance Management button.		
	2. The System display current accounts information.		
	3. The Manager clicks Edit button of one current account.		
Basic Path	4. The System enable Manager modifies Name, Bank Name,		
Dasic I atii	and Account number.		
	5. The Manager types in information.		
	6. The Manager clicks Save button.		
	7. The modified account information saved in the system		
Alternative Paths	If in step 6, either field is blank, the Manager is instructed to		
Antennative I atms	add an entry. No validation for correctness is made.		
Postcondition	TThe New account information has been added to the database.		
Exception Paths	The Manager may abandon the operation at any time.		
Other	The charge information includes account owner name, bank name		
Other	and card number.		

## 3.1.27 Edit Discount Strategy

Use Case Name	Edit Discount Strategy			
XRef	Section 2.2.13, Edit Discount Strategy			
Trigger	The Editor selects to edit discount strategy.			
Precondition	The Manager has already accessed the manager interface and			
1 recondition	enter Discount Management section.			
	1. The Manager chooses Discount Management button.			
	2. The System displays current discount information with five different			
	discount number for users			
	with different number of credits, before the first initialization, all numbers			
Basic Path	are zero. 3. The Manager clicks edit button.			
	4. The System enable Manager modify five numbers(percentage).			
	5. The Manager modifies five discount numbers and clicks Save button.			
	6. The system verifies the information and returns the Manager to Discount			
	Management page			
Alternative Paths	In step 5, system verifies if all number are valid, it not, system notifies			
Alternative I atms	Manager to modify it again.			
Postcondition	The Discount Strategy has been modified to the database.			
Exception Paths	The Editor may abandon the operation at any time.			
	The discount strategy is divided into five ranges, presented in percentage.			
Other	The discount strategy is initialized to 0 for all 5 groups			
	The groups are divided based on user credit. E.g. 0-100; 100-200; 200-300;			
	300-400;			
	The number manager input shall within the range of 0-99(%)			

## 3.1.28 Initial projects

Use Case Name	Initial projects			
XRef	Section 2.2.14, Initial projects			
Trigger	Before this use case can be initiated, the Manager has already logged in			
Trigger	the WeChat Volunteering Website.			
Precondition	The Manager has accessed to the manager?s homepage.			
	1. The Manager chooses social activities.			
	2. The system presents the list of projects that have finished.			
	3. The Manager presses add project record.			
	4. The system shows a new page with empty project information to			
	be completed.			
	5. The Manager complete the subject, start time, end time, detailed			
	address of the project, the number of volunteers limited, score and			
	identity needed, as well as award.			
Basic Path	6. The Manager presses the text area for describing project details.			
	7. The system presents an input box for typing to the Manager.			
	8. The Manager presses finish to submit project details including photos			
	and videos.			
	9. The system returns to the previous page.			
	10. The Manager presses preview button.			
	11. The system shows the appearance of the project after submitted.			
	12. The Manager presses release button.			
	13. The system releases the project so that volunteers can take part in.			
	In step 5, if the manager's input is empty:			
Alternative Paths	1. the system displays an error message.			
	2. The Manager clicks ok and back to initial state again.			
Postcondition	The new project is released in the website and all users can see and sign up.			
Exception Paths	The Manager may abandon addition at any time.			
Other	None.			

## 3.1.29 Edit projects

Use Case Name	Edit projects			
XRef	Section 2.2.15, Edit projects			
Trigger	Before this use case can be initiated, the Manager has already logged in the WeChat Volunteering Website.			
Precondition	The Manager has accessed to the manager's homepage.			
Basic Path	<ol> <li>The Manager chooses social activities.</li> <li>The system presents the list of projects.</li> <li>The Manager chooses not started.</li> <li>The system presents the list of projects that have not started yet.</li> <li>The Manager presses edit.</li> <li>The system presents a new page with the details of the project that can be edited.</li> <li>The Manager edits the details he/her want to change and remains others the same as before.</li> <li>The Manager presses preview.</li> <li>The system the appearance of the project after submitted.</li> <li>The Manager presses release button.</li> </ol>			
Alternative Paths	11. The system releases the edited project.  In step 6, if the manager's input is empty:  1. the system displays an error message.  2. The Manager clicks ok and back to initial state again.			
Postcondition	The project's information is changed and released in the website, that all users can see and sign up.			
Exception Paths	The Manager may abandon edition at any time.			
Other	None.			

#### 3.1.30 Check Course Fee

Use Case Name	Check Course Fee		
XRef	Section 2.2.16, Check Course Fee		
Trigger	Before this use case can be initiated, the Manager has already logged in		
Trigger	the WeChat Volunteering Website.		
Precondition	The Manager has accessed to the manager's homepage.		
	1. The Manager chooses course.		
	2. The System presents the list of courses information.		
	3. The Manager chooses a course.		
	4. The System presents the details of the course and the list of users		
Basic Path	enrolling in it.		
	5. The Manager checks the fee from the bank.		
	6. The Manager presses confirm the payment if the fee is received from		
	the user.		
	7. The System changes the state for the user to already paid.		
	In step 6, if the manager receives no money:		
Alternative Paths	1. The Manager clicks preview.		
	2. The system presents the previous page.		
Postcondition	The condition of the fee is changed in both Manager and User page.		
Exception Paths	The Manager may abandon change at any time.		
Other	None.		

#### 3.1.31 View Courses

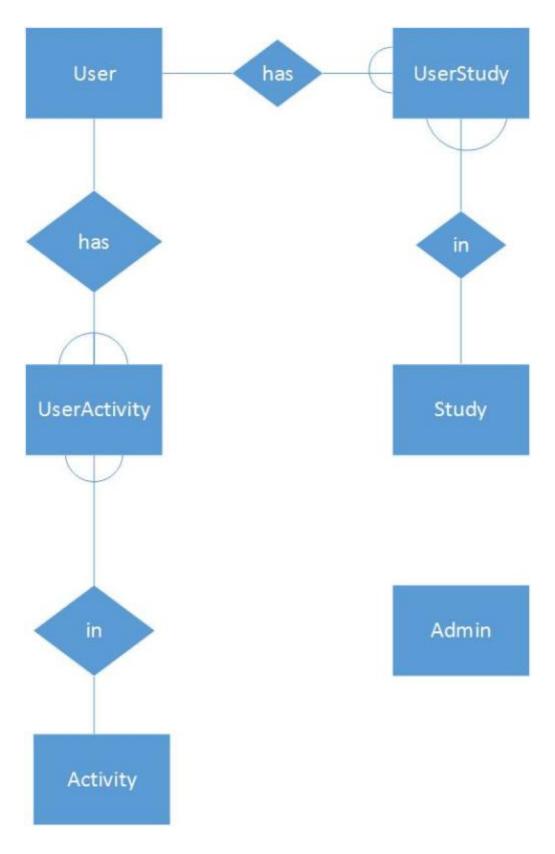
Use Case Name	View Courses			
XRef	Section 2.2.17, View Courses			
Trigger	Before this use case can be initiated, the Manager has already logged in			
Trigger	the WeChat Volunteering Website.			
Precondition	The Manager has accessed to the manager's homepage.			
	1. The Manager chooses course.			
	2. The System presents the list of courses information.			
Basic Path	3. The Manager chooses a course.			
	The System presents the details of the course and the list of volunteers			
	enrolling in it to the Manager.			
	In step 3, if the Manager wants to see other parts:			
Alternative Paths	1. The Manager chooses preview.			
	2. The system presents the previous page.			
Postcondition	The course's detailed information is presented.			
Exception Paths	The Manager may abandon viewing at any time.			
Other	None.			

## 3.1.32 View projects

Use Case Name	View projectsl			
XRef	Section 2.2.18, View projects			
Trigger	Before this use case can be initiated, the Manager has already logged in			
Trigger	the WeChat Volunteering Website.			
Precondition	The Manager has accessed to the manager's homepage.			
	1. The Manager chooses social activities.			
	2. The System presents the list of projects information.			
Basic Path	3. The Manager chooses a project.			
	4. The System presents the details of the project and the list of users			
	enrolling in it to the Manager.			
In step 3, if the Manager wants to see other parts:				
Alternative Paths	1. The Manager chooses preview.			
	2. The system presents the previous page.			
Postcondition	The project's detailed information is presented.			
Exception Paths	The Manager may abandon viewing at any time.			
Other	None.			

# 4 Database

# 4.1 ER Diagram



### 4.2 Database

#### 4.2.1 User

Data Iterm	Type	Description	Comment
ID	Integer	ID of the normal user	Automatic increment
User Account	Text	The account of the normal	
User Password	Text	The password of the corresponding account.	
Name	Text	Name of the normal user	
Telephone number	String of	The telephone number of the	
Telephone number	number	normal user	
Address	Text	The address of the normal user	
Exception Paths	Text	The address of the normal user	
Birthday	Text	The address of the normal user	
Gender	Text	Male or female	
Gredit	Integer	The credit of a user that represent the different status	
Status	Integer	There are different kinds of status for the user depend their point.	
Register date	Date	The date of the user?s registration	
Activity number	Integer	The activity number which the user takes part in.	
Study number	Integer	The study number which the user takes part in.	

## 4.2.2 UserStudy

Data Iterm	Type	Description	Comment
UserID	serID Integer ID of the training which the user took part in		
StudyID Integer The I		The ID number of the training which the user took part in	

### 4.2.3 Study

Data Iterm	Type	Description	Comment
ID	Integer	ID of study	Automatic increment
Topic	Text	The theme of the study	
Begin time	Date	The start time of the study	
End time	Date	The end time of the study	
Number	Integer	The number that be allowed	
Number	Integer	to apply for the study	
Registered number	Integer	The number that have registered	
rtegistered number	Integer	for the study	
Expenditure	Integer	The cost that apply for the study	
LimitStatus	INT	Level of volunteer	Only this level or upper
LimitStatus			level volunteer can attend
requireCredit	INT	Only have specific credit can attend	
		the activity	
Detail	Text	The specific information about	
Detail		the study	

## 4.2.4 Activity Data Entity

Data Iterm	Type	Description	Comment
ActivityName	VARCHAR	Name of activity	
ActivityID	INT	ID number of the activity	Used as primary key
StartTime	VARCHAR	Activity start time	
EndTime	VARCHAR	Activity end time	
Address	VARCHAR	Location of activity	
LimitNum	INT	Limitation of number of Volunteer	
CurNum	INT	Current number of volunteer	
LimitStatus	INT	Level of volunteer	Only this level or upper level volunteer can attend
requireCredit	INT	Only have specific credit can attend the activity	
Details	VARCHAR	Activity details	

## 4.2.5 User-activity Data Entity

Data Iterm	Type	Description	Comment
activityID	VARCHAR	ID of activity	
userID	VARCHAR	ID of user	Used as primary key
attend	Boolean	Whether user attend the activity	

## 4.2.6 Application Data Entity

Data Iterm	Type	Description	Comment
userName	VARCHAR	Name of volunteer	
userID	INT	ID number of volunteer	Used as primary key
Statement	VARCHAR	Volunteer?s application	

### 4.2.7 Admin Data Entity

Data Iterm	Type	Description	Comment
adminName	VARCHAR	Name of admin	
adminID	INT	ID number of admin	Used as primary key
adminPW	VARCHAR	Admin?s password	