



YWCA Requirements Specification

Version 1.0

June 11, 2015



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This work is based upon the submissions of the projects in Software Engineering course. The name of the group project is YWCA and the students who submitted these team projects were Elton Llulla, Lejla Islami, Sabina Qoli, Sonila Leka, Xhoena Polisi.

1.1 Project Overview

When we were told about the project topics in the Soft Up week, we immediately thought of choosing the YWCA project because of some reasons. Starting from what in fact they represent, their aim, involved us immediately and we decided to deal with their project. This project is about creating a web application for YWCA- Young Women Christian Association. When they had their presentation, they in fact gave us an overall view of what they wanted us to do but later on when we had a visit at their offices they presented us the detailed requirements and our expectations and as we agreed and said that we could fulfill their required work we started from the job. We immediately started discussing about the requirements, which of them could we complete and which not, and gave a detailed list of all the requirements that we could do. In this web application they can manage all their activities and data related to their needs. Based on the list of the requirements that we decided to do where this tasks :

- Creation of a new web page instead of updating the existing one.
- Use of their data to build the database, (no current one).
- Library Management System.
- Finance Module.
- Donations and Volunteering module.
- Two admin panels.
- A dynamic web page.

After specified the requirements and the tasks that are to be performed and having everything clear we started dealing with the user scenarios. Each day we decided to deal with a specific user scenario and complete it.

- Day 1 : User Scenario for volunteers
- Day 2 : User Scenario for the donators
- Day 3 : User Scenario for using library
- Day 4 : User Scenarios for administrator
- Day 5 : User Scenario for administrator (continues)
- Day 6 : User Scenario for director
- Day 7 : User Scenario for director (continues)

Later as we finished with the user scenarios it was the turn of the diagrams to be done. Starting from the Activity Diagrams, Class Diagram, Object Diagram, Use case Diagrams, Sequence Diagrams, and State Diagrams, we took each of them separately and completed them. And we came at the implementation point or the start of the software. We divide the work and each of the group members took a separate task to implement. We had to implement 2 admin panel, a volunteer module, a donator module, The library management system, Finance module and the database. And after each of us finished his part of the job we gathered the works and linked them in order to see what went wrong or what was missing and the most important one, where all the objectives and requirements fulfilled. Than we correct the mistakes and reviewed the so called web application now and gave the last improvements. And the last but not without importance we also gathered the meeting reports that we completed each week and all the documents are ready, user cases, diagrams, meeting reports, the documentation and the software.

1.1 Purpose and Scope of this Specification

The purpose of this document is to present a detailed description of the YWCA web application. It will explain the purpose and features , the interfaces of the web application, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to the YVCA association for its approval.

In scope

This document addresses requirements related to phase 2 of Project YWCA:

In scope are the main or the most essentials parts of the requirements that are to be done and to be finished in time at the end of the required period of the project and later to see if the requirements that we have defined as out of scope can be completed, because they are an important part of the project to have a whole and complete working software that fulfill all the users specifications and at the end to fulfill our aim and purpose, to be a user friendly web application, easy to interact with and easy to be maintained. So the following modules are the most important tasks for the moment.

- Creation of a new web page instead of updating the existing one, but based on the old one.
- Management of their data and activities online , (from the administrator mostly).
- Donations and volunteering module.
- Database

Out of Scope

Out of scope, are the requirements that we have declared as optional or that we can do after finishing the vital ones but this does not mean that they are less important or we are not going to do them. We have declared them like this for the aim of being more organised or to work based on the KISS principle, to keep our things simple and not to be under pressure or stress of having so much things to do.

The following items in phase 3 of Project YWCA are out of scope:

- Library management system
- Finance module

Product/Service Description

So to be more detailed at the group meeting we decided to rebuild the web page, and not to use the old one as we stated at that time. But what is important to state is that we are based at the old web page and are not moving completely from their current web page. The page that we have now finished is a dynamic web page, with all the modules and functions integrated. The more detailed analyze of the web page is later done and specified as here we are briefly listing only the products of our work.

The management of their activities and works and all the web page will be online from the administrator mostly but not only, so we have done it user friendly and easy to maintain as this was their most important requirement. At the end of the day as learned in the lesson the maintenance of a software has approximately 67 percent of the whole cost of the software.

Donations and the volunteering modules are the next product of the project. The detailed parts of these modules as the forms to be filled or the activities done for

these are given later on this document also including their user cases, different diagrams and parts from the implementation.

The whole database is the other product of the software. The reasons why we have done a specific and complete database is because it was the YWCA requirement to have a complete database as they had been operating since 1999 and did not have still a specific database containing all the data of the activities and works they have been doing at these times.

1.2 Product Context

The end product will be a web application satisfying only YWCA needs, according to their activities, focus and mission. The software that we have done is an implementation of all the requirements stated by them as listed above starting from the new web page, donations module, volunteering module, the library management system, the database, finance module etc.

It will be a web page having two admin panels: one for the administrator of the page and the other for the director, as this was their requirement for both of them to have access on mostly the same things. The administrator will take care mostly with the database, such as managing the data, adding new activities, updating existing modules etc, in order that the page will be always coherent and updated with the information related to their scope. The director will take care with the finance part, generating budget analysis, budget reports etc. This decision we made for the aim of the web page to be a efficient one where the users can interact different from the current one.

The visitors will see the new webpage, their activities, gallery etc. The users will be able to interact with all of the tasks of the web page, to volunteer to donate, to

see the next coming activity, to borrow a book, to register to some course and many other things.

1.3 User Characteristics

The webpage will be available for everyone: volunteers, women that want to volunteer, people that want to donate, women that want to read, women that want to do a course that YWCA offers, families in need, donators, other associations in order to create collaborations among them. So everybody have the chances to interact with this web page in their own benefit for doing the things that they want to do and taking pleasure from this.

The web page is a user friendly one, a dynamic one so is thought to be best for all the parts in order to fill all the users requirements because as learned the satisfaction of the customer is at the first plan. The Reader is expected to be Internet literate and be able to use a search engine.

There are three types of users that interact with the system: users of the web application, application owners and administrators. Each of these three types of users has different use of the system so each of them has their own requirements.

The administrators also only interact with the web panel. They are managing the overall system so there is no incorrect information within it. The administrator can manage the information for each activity as well as the course types, library system and volunteers part.

The web application users can only use the application to interact with. This means that the user have to be able to search for the activities done by the association, choose for what things someone is going to volunteer. In order for the users to get a relevant search result there are multiple criteria the users can specify and all results matches all of those.

1.4 Assumptions

We are assuming that they have a server and their server can support our new web application.

We are also assuming that the person that is going to maintain the web page is a capable person of doing it because maintenance is more important than everything, also than the implementation and at this point our work could be for nothing.

We are assuming that our work has completed all their requirements and we have done a good work.

As a result we are also assuming that the customers will be satisfied at the end.

1.5 Constraints

Constraints are something that we should have into account during our work.

The Internet connection is also a constraint for the application. Since the application fetches data from the database over the Internet, it is crucial that there is an Internet connection for the application to function.

The web portal application will be constrained by the capacity of the database. Since the database is shared between both application it may be forced to queue incoming requests and therefore increase the time it takes to fetch data.

This program will run on any Internet-accessible computer with a web browser that supports
JavaScript and PHP object-oriented.

1.6 Dependencies

Our product will need to be admin maintained and updated daily or weekly, depending on their activities and their needs.

It is because of this that we said that it is needed an capable person to be the administrator, because he or she is going to have the most difficult job of maintaining the web page mostly daily as they are having many activities, courses, donations etc.

The library needs management also. So is in the admin hand if the web page will be efficient and helpful for the users or not, depending on her work.

This program requires a web browser capable of running Flash movies.

This program will not be dependent on any other software and is not a component of another program.

Since the product requires a Flash-supporting browser, the external interface will depend

on the configuration of the browser. Therefore, various environments may yield different

interfaces, but the behavior of the program will be the same.

This program does not require any new hardware.

Requirements

After a great job on the analyze of the requirements in every meeting coming up with a final list of requirements was not an easy job. Based on the customers' requirements, users requirements and the tasks that we could do as a team we before starting the job had the ideas clear of what are our ideas, how are we going to implement them and everything in between these. At the end of the work a finished product is expected from the customers and our software is a web application. A new web page, but based on the existing one is for coming with these specifications that we have declared also above :

- Two admin panel, one needed for the administrator and the other one for the director because they are accessing different modules. The admin will access approximately everything starting from the donator and volunteer modules, the activities that is going to update daily, courses, library system and many other things, while the director is accessing only the finance module.
- A dynamic web page : We have stated and we are restating it that the next more important specification was the dynamic web page.

- The donations module is another important feature in the web application creation. In this module the users can donate a certain amount of money or some other things by completing a simple form.
- The volunteer module is the other module that on its first sight it seems same as the donations module but has different features, the volunteer registration, their contribute on what they are volunteering and the participation on the foundation activities.
- The library management system, is a feature needed everywhere and that makes our life easier so it was vital to build a library management system. They had a functional library operating currently but it needed a complete management system and a database in order to keep all the books that are in the library and the ones that are borrowed from the users.

1.7 Functional Requirements

In order that our requirements to be valid and functional we have to take into account some features :

Our requirements must be clearly and correctly stated, unambiguous that means that all statements have exactly one interpretations and not any metaphoric one. The requirements should be complete and we have exactly stated to the requirements that we can fulfill and not give assumptions as we can try, we are still thinking about it and lack of security on our own abilities to do the things. Also we define to them the deadline of our finishing software and both of the parts agreed. As learned in the lesson we better than somebody else knows that testing is also essential for our final product to be working properly. So our work must be verifiable and is describing exact function of each module and feature. It is also modifiable as taking into consideration that the customer satisfaction is our work aim so it is opened to changes and consistency is remained.

Req#	Requirement	Comments	Prior ity	Date Rvwd	SME Reviewe d / Approve d
BR_01	The system must have an admin panel to maintain and update the page.	Business Process = "Maintenance"	3	7/06/15	YWCA

Req#	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
BR_02	The system should have an admin to handle the finances and generate budget report.	Business Process = "generate budget report"	3	7/06/15	YWCA
BR_3	The page should have a module for volunteers	Business Process = "Information and application"	3	7/06/15	YWCA
BR_03_01	The module of volunteers should generate application forms.	New requirement	3	7/06/15	YWCA
BR_04	The module of volunteers should show the activity agenda	New requirement	2	7/06/15	YWCA
BR_05	The page should have a module for donations	New requirement	2	7/06/15	YWCA

Actors : There are 9 actors in our project. They are explained each in the following.

-Admin : The first and the most important actor in the web application is the admin. It has the most essential functions in the web application. Admin manages the most vital modules in the application, donators, the web page, library system. His job is to manage activities, all the events that they do together with the necessary images and details, he manages the volunteers module, their application forms, necessary information that they need to know for everything. Admin also manages the library system, the booked books, the list of available book.

He also manages the courses that take place in the association, the students and almost everything.

- a) Log in
- b) Manages volunteers
- c) Manages activities
- d) Manages events
- e) Manages library
- f) View the list of books
- g) Search a book
- h) Manages donations in things
- j) Manage the website
- k) Manages Courses

-Admin Director : Our application also has another admin, the director of the association. They have different modules to manage and different jobs to do even though they seem to do the same job

The admin director deals mostly with the finances part of the association. He manages the expenditures of the associations, manages big donors of the association, that are the ones that donate mostly money in big amounts. The admin director is also responsible for the budget part, these are mostly his jobs.

- a) Log in
- b) Manages financing
- c) Manages expenditures
- d) Manages big donors
- e) Manages budget

-Guest only: The guests are the most interesting and active actors of our web application. They have the opportunity to interact in the web site, doing what they want and enjoying it. They can see the activities, and all the information about them in a detailed way. They also have the chance to see the upcoming events, find there information about the donators module, their application forms and other documents. They can have a look at the courses provided by the association and their detailed information. Guests can search for the association partnership, see the library and all accurate information for almost everything.

- a) See activities

- b) See upcoming events
- c) See donation's documentation
- d) See courses
- e) See partnership
- f) Find accurate information
- g) See library

-Foreign Visitors: Foreign visitors are a little bit special because we are providing their website version in a foreign language, by just pressing a small button and find there all information needed about everything.

- a) Have the website in an international language

-Big donors : They are an important part of the association. Big donors are managed by the director of the association and they can find in the web page all information and documents to apply to donate.

- a) Apply to donate

-Library member : The library members are actors interacting most with the web page. There they can view the list of books provided by the library, all the available books, they can also search for a book and book their favorite book.

- a) View the list of books.
- b) Search a book
- c) Book a book

-Volunteers : Volunteers can perfectly find all the information they need in the volunteer modules. Information about upcoming events, see details why are volunteers needed.

- a) See why volunteers are needed (purpose + reason + work)
- b) See upcoming events

-Small donors: Small donors are also some kind of special purpose. They can donate small amounts of money, some material things and everything they need. They can apply to donate, and after that see what is done with the things donated.

- a) Apply to donate
- b) See what is done with things donated

-Guest with a purpose : Are the other guests that are interacting with the web application for a special purpose. It can be because they want to apply for a volunteer, or they want to apply to donate and in the web page they are getting all the necessary information and documentation regarding to these. But they also may want to apply to be a member of the association or to enter to one of the courses that the association is offering.

- a) Apply to be a volunteer
- b) Apply to donate
- c) Apply to be a member of library
- d) Apply to be a part of a course

User Scenarios

Note: During the user scenarios, in order to simplicity the word manages is used for CRUD (Create, Read, Update, and Delete) and sometimes CRUD plus confirmation/rejection. But the meaning is understood while reading the scenario.

USE CASE 01 –ADMIN LOG IN

USE CASE NR	UC - 01
USE CASE NAME	Admin Log in
ACTOR(S)	Admin, system
OVERVIEW	Admin wants to log in the system
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin enters the website 2. Enters her credentials 3. System checks 4. Logs in <p>Alternate Flow:</p> <p>May enter wrong credentials, admin tries again</p>
POST	None

CONDITION**USE CASE 02 –ADMIN MANAGES ACTIVITIES**

USE CASE NR	UC - 02
USE CASE NAME	Admin manages activities
ACTOR(S)	Admin, system
OVERVIEW	Admin wants to manage activities
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Activities 3. Admin C/R/U/D an activity (activities) 4. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D an activity</p>
POST CONDITION	Activities should be entered after they are realized

USE CASE 03 –ADMIN MANAGES EVENTS

USE CASE NR	UC - 03
USE CASE NAME	Admin manages events
ACTOR(S)	Admin, system
OVERVIEW	Admin wants to manage events
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Events 3. Admin C/R/U/D an event (events) 4. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D an event</p>
POST CONDITION	Events should be entered after they are planned and discussed

USE CASE 04 –ADMIN MANAGES VOLUNTEERS

USE CASE NR	UC - 04
USE CASE NAME	Admin manages volunteers
ACTOR(S)	Admin, system, volunteers
OVERVIEW	Admin wants to manage volunteers
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Volunteers 3. Admin C/R/U/D a volunteer (volunteers) 4. Admin confirms/rejects volunteer's applications 5. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D an activity</p>
POST CONDITION	Volunteers should be contacted after confirmation/rejection

USE CASE 05 –ADMIN MANAGES LIBRARY

USE CASE NR	UC - 05
USE CASE NAME	Admin manages library
ACTOR(S)	Admin, system
OVERVIEW	Admin wants to manage library
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Library 3. Admin C/R/U/D a book information (books information) 4. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D a book information</p>
POST CONDITION	Books should exist in database

USE CASE 06 –ADMIN MANAGES LIBRARY MEMBERS

USE CASE NR	UC - 06
USE CASE NAME	Admin manages library members
ACTOR(S)	Admin, system, library member

OVERVIEW	Admin wants to manage activities
PRE CONDITIONS	The admin credentials should be added first, internet access, library member should pay the yearly amount
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Library Member 3. Admin C/R/U/D a library member (library member) 4. Assigns a personal code to the library member 5. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D a library member</p>
POST CONDITION	Library member can use the online booking

USE CASE 07 –ADMIN MANAGES STUFF DONATIONS

USE CASE NR	UC - 07
USE CASE NAME	Admin manages stuff donations
ACTOR(S)	Admin, system, small donors
OVERVIEW	Admin wants to manage stuff donations
PRE CONDITIONS	The admin credentials should be added first, internet access, donations should have arrived in offices
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Donations 3. Admin clicks Stuff/things Donations 4. Admin C/R/U/D a stuff donation 5. Admin confirms/rejects applications 6. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D a stuff donation</p>
POST CONDITION	Activities where these donations are used should be recorded

USE CASE 08 –ADMIN MANAGES WEBSITE

USE CASE NR	UC - 08
USE CASE NAME	Admin manages website

ACTOR(S)	Admin, system
OVERVIEW	Admin wants to manage website to be coherent
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Website 3. Admin updates information 4. Logs out <p>Alternate Flow:</p> <p>Can't update information</p>
POST CONDITION	None

USE CASE 09 –ADMIN MANAGES COURSES

USE CASE NR	UC - 09
USE CASE NAME	Admin manages Courses
ACTOR(S)	Admin, system
OVERVIEW	Admin wants to manage courses offered
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Courses 3. Admin C/R/U/D a course (courses) 4. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D a course</p>
POST CONDITION	Courses should be opened

USE CASE 10 –ADMIN MANAGES TRAINEES

USE CASE NR	UC - 10
USE CASE NAME	Admin manages trainees

ACTOR(S)	Admin, system, trainees
OVERVIEW	Admin wants to manage trainees taking courses
PRE CONDITIONS	The admin credentials should be added first, internet access
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Admin logs in 2. Admin clicks Trainees 3. Admin C/R/U/D a trainee (trainees) 4. Admin confirm/rejects applicants 5. Logs out <p>Alternate Flow:</p> <p>Can't C/R/U/D a trainee</p>
POST CONDITION	Applicants should be contacted after confirmed/rejected

USE CASE 11 –GUEST WANTS TO SEE ACTIVITIES

USE CASE NR	UC - 11
USE CASE NAME	Guest wants to see activities
ACTOR(S)	Admin, system, guest
OVERVIEW	Guest wants to know the activities done by YWCA
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Guest enters website 3. Guest clicks Activities 4. Guest leaves <p>Alternate Flow:</p> <p>The activities are not updated from admin</p>
POST CONDITION	None

USE CASE 12 –GUEST WANTS TO SEE EVENTS

USE CASE NR	UC - 12
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USE CASE NAME	Guest wants to see events
ACTOR(S)	Admin, system, guest
OVERVIEW	Guest wants to know the events planned by YWCA
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Guest enters website 2. Guest sees Events 3. Guest leaves <p>Alternate Flow:</p> <p>The events are not entered by admin</p>
POST CONDITION	None

USE CASE 13 –GUEST WANTS TO SEE DONATION ACTIVITIES

USE CASE NR	UC - 13
USE CASE NAME	Guest wants to see Donation Activities
ACTOR(S)	Admin, system, guest
OVERVIEW	Guest wants to know how donations are used in YWCA
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Guest enters website 2. Guest clicks Donations 3. Guest clicks Donations Activities 4. Guest leaves <p>Alternate Flow:</p> <p>The donations activities are not updated/entered from admin</p>
POST CONDITION	None

USE CASE 14 –GUEST WANTS TO SEE COURSES

USE CASE NR	UC - 14
USE CASE NAME	Guest wants to see courses
ACTOR(S)	Admin, system, guest
OVERVIEW	Guest wants to know the courses offered by YWCA
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Guest enters website 2. Guest clicks Courses 3. Guest leaves <p>Alternate Flow:</p> <p>The courses are not updated from admin</p>
POST CONDITION	None

USE CASE 15 –GUEST WANTS TO SEE PARTNERSHIP

USE CASE NR	UC - 15
USE CASE NAME	Guest wants to see partnership
ACTOR(S)	Admin, system, guest
OVERVIEW	Guest wants to know the main partners of YWCA
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Guest enters website 2. Guest clicks About Us 3. Guest clicks Partners 4. Guest leaves <p>Alternate Flow:</p> <p>The partners are not entered/updated from admin</p>
POST CONDITION	None

USE CASE 16 –GUEST WANTS TO FIND RELEVANT INFORMATION

USE CASE NR	UC - 16
USE CASE NAME	Guest wants to find relevant information
ACTOR(S)	Admin, system, guest
OVERVIEW	Guest wants to know more information about this NGO and what it does, all information needed to know this NGO
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	Main(success) flow 1. Guest enters website 2. Guest clicks About Us 3. Guest leaves Alternate Flow: The information is not entered/updated by admin
POST CONDITION	None

USE CASE 17 –GUEST WANTS TO SEE LIBRARY

USE CASE NR	UC - 17
USE CASE NAME	Guest wants to see library
ACTOR(S)	Admin, system, guest
OVERVIEW	Guest wants to know information about the library YWCA offers and all information related to the library
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	Main(success) flow 1. Guest enters website 2. Guest clicks Library 3. Guest leaves Alternate Flow: Library page is not updated by admin
POST CONDITION	None

USE CASE 18 –FOREIGN VISITOR WANTS INFORMATION IN ENGLISH

USE CASE NR	UC - 18
USE CASE NAME	Foreign Visitor wants information in English
ACTOR(S)	Admin, system, foreign visitor
OVERVIEW	Foreign visitor wants to understand and be able to read all the information provided in the site in an international language, such as English
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. FV enters website 2. FV clicks English 3. FV navigates 4. FV leaves <p>Alternate Flow:</p> <p>The information is not provided in English by admin</p>
POST CONDITION	None

USE CASE 19 –BIG DONORS WANT TO DONATE MONEY

USE CASE NR	UC - 19
USE CASE NAME	Big donors want to donate money
ACTOR(S)	Admin(director), system, big donors
OVERVIEW	Big donors are the people who donate big amount of money and they want to be able to donate it online
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. BG enters website 2. BG clicks Donations 3. BG clicks Donate Money 4. BG fills form 5. BG submits 6. BG leaves the page <p>Alternate Flow:</p> <p>The transaction could not be submitted</p>

POST CONDITION	Admin(director) confirms/rejects donation after received/not And contacts the donor
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USE CASE 20 –BIG DONORS WANT TO ASK REPORT

USE CASE NR	UC - 20
USE CASE NAME	Big donors want to ask report
ACTOR(S)	Admin(director), system, big donors
OVERVIEW	Big donors want to ask the NGO to send them a report about their donation, what did they do
PRE CONDITIONS	There should be internet access for user, server should be online
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. BG enters website 2. BG clicks Donations 3. BG clicks Ask Report 4. BG fills form 5. BG submits 6. BG leaves the page <p>Alternate Flow:</p> <p>The form could not be submitted</p>
POST CONDITION	Admin(director) contacts the donor to send them the report

USE CASE 21 –LIBRARY MEMBER WANTS TO VIEW BOOKLIST

USE CASE NR	UC - 21
USE CASE NAME	Library member wants to view booklist
ACTOR(S)	Admin, system, library member
OVERVIEW	Library members want to know what books are on the library available
PRE CONDITIONS	There should be internet access for user, server should be online, library member should have its personal code
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. LM enters website 2. LM clicks Library 3. LM clicks View Books 4. LM leaves the page <p>Alternate Flow:</p> <p>The list of book is not provided by admin</p>

POST CONDITION | None

USE CASE 22 –LIBRARY MEMBER WANTS TO SEARCH A BOOK

USE CASE NR	UC - 22
USE CASE NAME	Library member wants to search a book
ACTOR(S)	system, library member
OVERVIEW	Library members want to search if a book exist in database
PRE CONDITIONS	There should be internet access for user, server should be online, library member should have its personal code
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. LM enters website 2. LM clicks Library 3. LM clicks Search 4. LM fills the form 5. LM gets the result 6. LM leaves the page <p>Alternate Flow:</p> <p>The list of book is not provided by admin</p>
POST CONDITION	None

USE CASE 23 –LIBRARY MEMBER WANTS TO BOOK A BOOK

USE CASE NR	UC - 23
USE CASE NAME	Library member wants to book a book
ACTOR(S)	Admin, system, library member
OVERVIEW	Library members want to book a book, before going to take it
PRE CONDITIONS	There should be internet access for user, server should be online, library member should have its personal code
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. LM enters website 2. LM clicks Library 3. LM clicks Search 4. LM fills the form 5. LM gets the result 6. LM clicks Book

	<p>7. LM fills the form 8. LM submits the form 9. LM leaves the page</p> <p>Alternate Flow: The booking may not be submitted or discarded because of overflow</p>
POST CONDITION	Admin confirms/rejects the booking, after the LM comes to (not)take the book

USE CASE 24 –VOLUNTEERS WANT TO SEE UPCOMING EVENT DETAILS

USE CASE NR	UC - 24
USE CASE NAME	Volunteers want to see upcoming event details
ACTOR(S)	Admin, system, volunteer
OVERVIEW	Volunteers want to see details about the upcoming event in order to have more clear information
PRE CONDITIONS	There should be internet access for user, server should be online,
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Volunteer enters website 2. Volunteer clicks Event 3. Volunteer clicks Upcoming Events details 4. Volunteer leaves the page
	<p>Alternate Flow:</p> <p>The event details are not entered by admin, therefore cannot be displayed</p>
POST CONDITION	None

USE CASE 25 –VOLUNTEERS WANT TO SEE WHAT CAN IT DO

USE CASE NR	UC - 25
USE CASE NAME	Volunteers want to see what can it do
ACTOR(S)	Admin, system, volunteer
OVERVIEW	Volunteers want to know for each event why it is needed a volunteer, how can he/she help, what it is needed to be done
PRE CONDITIONS	There should be internet access for user, server should be online,
SCENARIO FLOW	<p>Main(success) flow</p> <ol style="list-style-type: none"> 1. Volunteer enters website

	2. Volunteer clicks Event 3. Volunteer clicks What can I do 4. Volunteer leaves the page
	Alternate Flow: The event work needed by volunteers are not entered by admin, therefore cannot be displayed
POST CONDITION	None

USE CASE 26 –SMALL DONORS WANT TO DONATE STUFF

USE CASE NR	UC - 26
USE CASE NAME	Small Donors want to donate stuff
ACTOR(S)	Admin, system, small donors
OVERVIEW	Small donors want to donate stuff
PRE CONDITIONS	There should be internet access for user, server should be online,
SCENARIO FLOW	Main(success) flow 1.SM enters website 2.SM clicks Donations 3.SM clicks Donate Stuff 4.SM fills the form 5.SM submits the form 6. SM leaves the page
	Alternate Flow: The form may not be submitted
POST CONDITION	Admin confirm/rejects donation after arriving at office and contacts donors. After, documents the activity where it is used

USE CASE 27 –GUEST WITH A PURPOSE TO BE A VOLUNTEER

USE CASE NR	UC - 27
USE CASE NAME	Guest with a purpose to be a volunteer
ACTOR(S)	Admin, system, guest with a purpose
OVERVIEW	Guest that wants to be a volunteer in this NGO
PRE CONDITIONS	There should be internet access for user, server should be online,
SCENARIO FLOW	Main(success) flow 1.GP enters website 2.GP clicks Volunteers

	<p>3.GP clicks Apply 4.GP fills the form 5.GP submits the form 6. GP leaves the page Alternate Flow: The form may not be submitted POST CONDITION Admin confirm/rejects application, depending on the specifications needed. Admin contacts the applicant</p>
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USE CASE 28 –GUEST WITH A PURPOSE TO DONATE

USE CASE NR	UC - 28
USE CASE NAME	Guest with a purpose to donate
ACTOR(S)	Admin, system, guest with a purpose
OVERVIEW	Guest that wants to donate
PRE CONDITIONS	There should be internet access for user, server should be online,
SCENARIO FLOW	<p>Main(success) flow 1.GP enters website 2.GP clicks Donations 3.GP clicks Donate Stuff/Money 4.GP fills the form 5.GP submits the form 6. GP leaves the page Alternate Flow: The form may not be submitted</p>
POST CONDITION	Admin confirm/rejects donation after arriving at office and contacts donors. After, documents the activity where it is used

USE CASE 29 –GUEST WITH A PURPOSE TO BE A LIBRARY MEMBER

USE CASE NR	UC - 29
USE CASE NAME	Guest with a purpose to be a library member
ACTOR(S)	Admin, system, guest with a purpose
OVERVIEW	Guest that wants to be a library member
PRE CONDITIONS	There should be internet access for user, server should be online,
SCENARIO FLOW	<p>Main(success) flow 1.GP enters website</p>

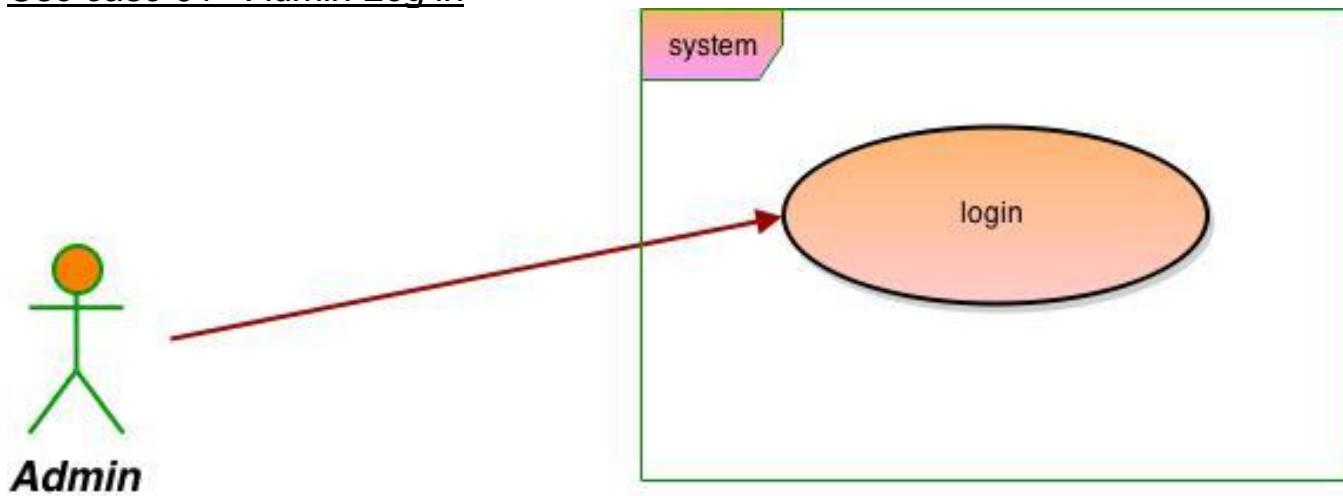
	2.GP clicks Library 3.GP clicks Be a member 4.GP fills the form 5.GP submits the form 6. GP leaves the page Alternate Flow: The form may not be submitted
POST CONDITION	Admin confirm/rejects application after member pays the annually amount. Admin gives to the new member a personal code

USE CASE 30 –GUEST WITH A PURPOSE TO BE PART OF A COURSE

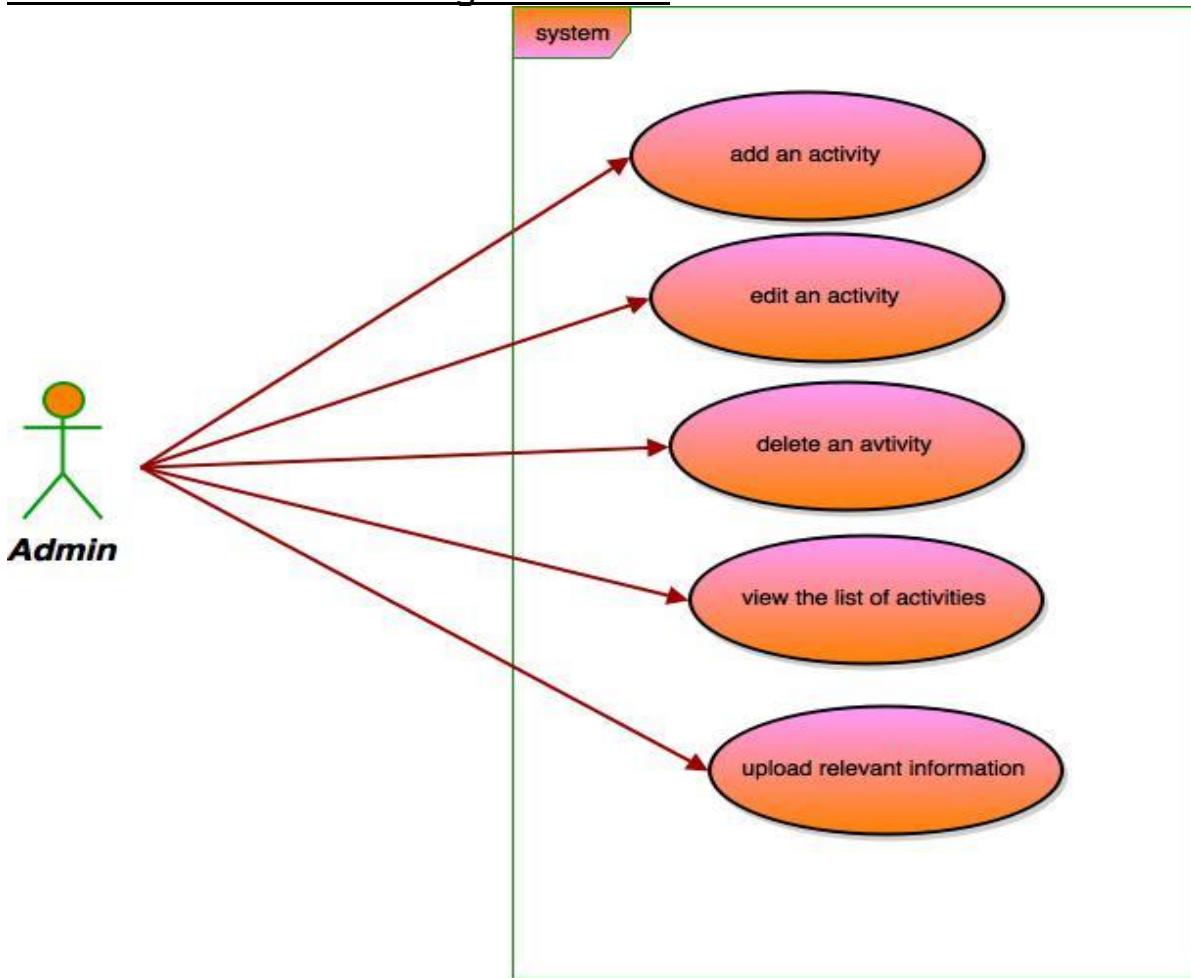
USE CASE NR	UC - 30
USE CASE NAME	Guest with a purpose to be part of a course
ACTOR(S)	Admin, system, guest with a purpose
OVERVIEW	Guest that wants to be part of a course offered by YWCA
PRE CONDITIONS	There should be internet access for user, server should be online,
SCENARIO FLOW	Main(success) flow 1.GP enters website 2.GP clicks Courses 3.GP clicks Apply 4.GP fills the form 5.GP submits the form 6. GP leaves the page Alternate Flow: The form may not be submitted
POST CONDITION	Admin confirm/rejects applicant after some specifications and contacts the applicant.

Use Case diagrams

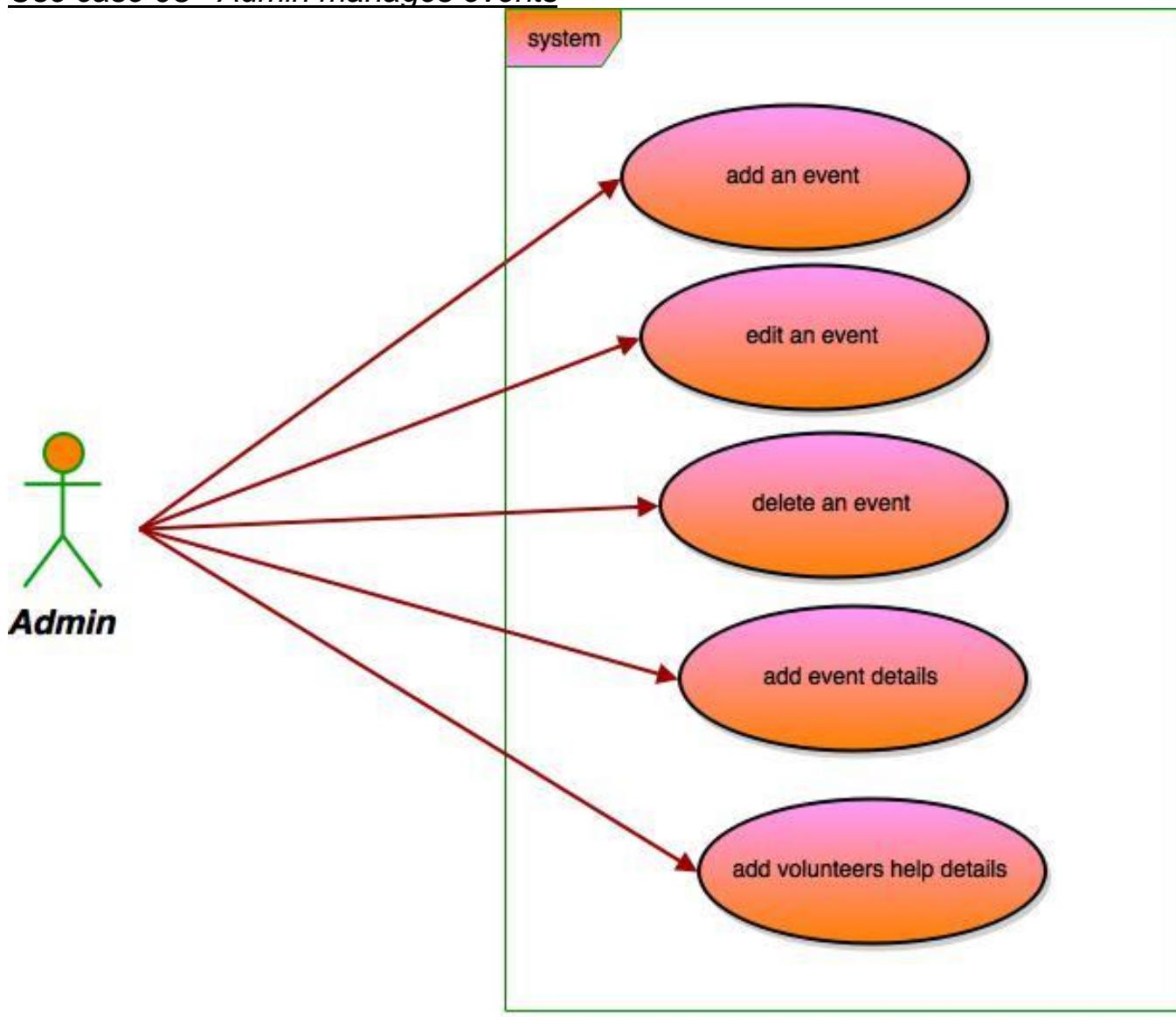
Use case 01 –Admin Log in



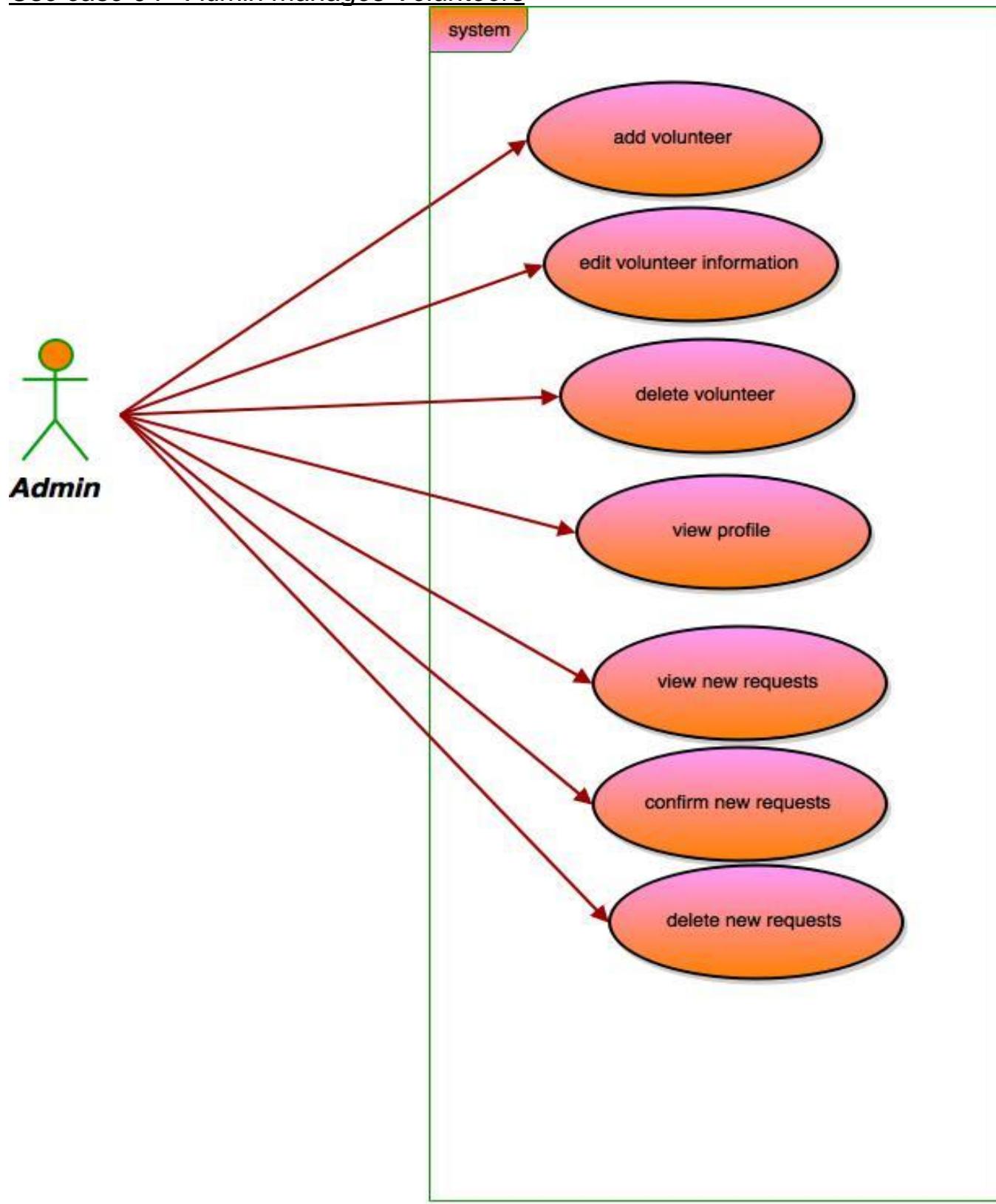
Use case 02 –Admin manages activities



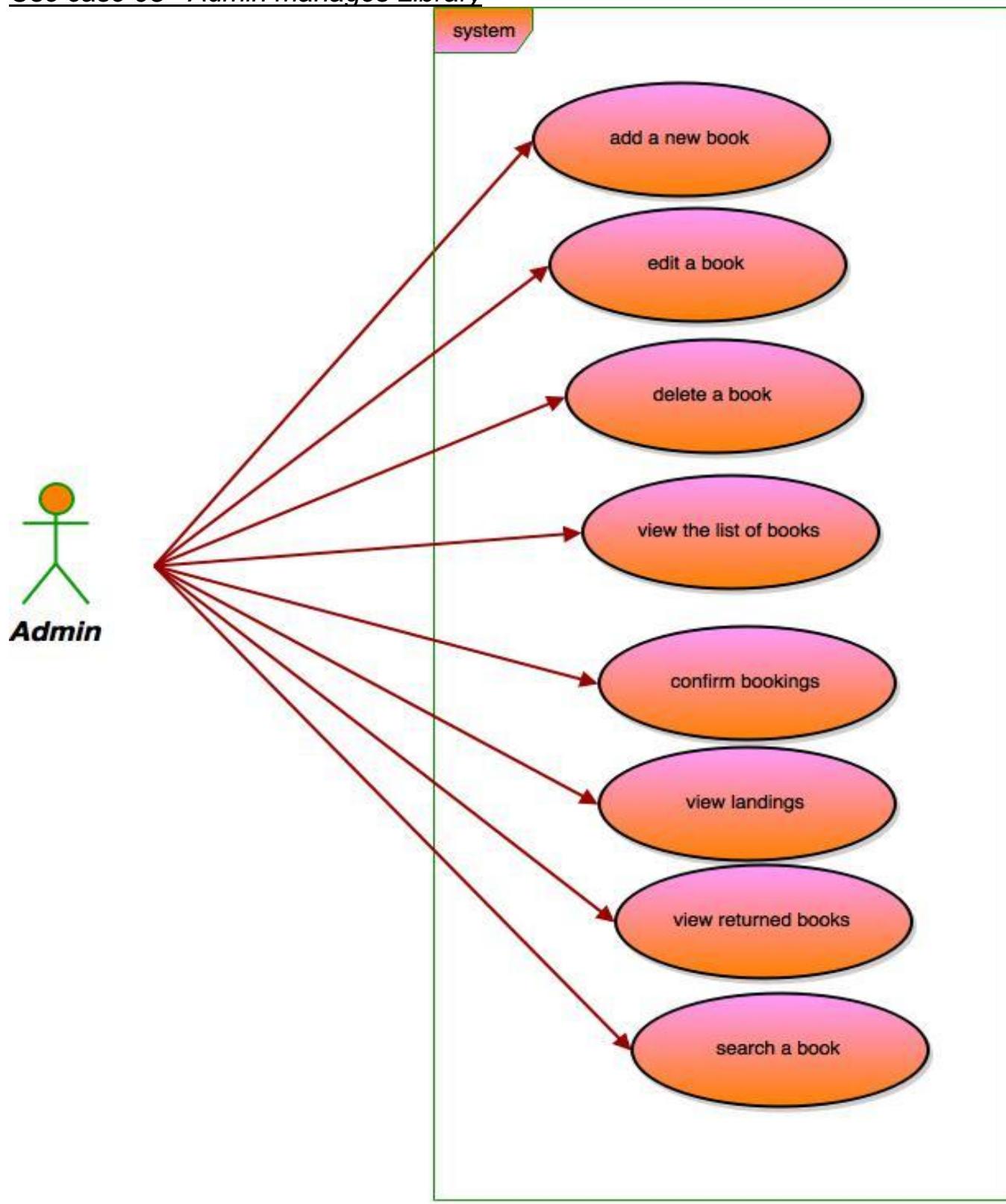
Use case 03 –Admin manages events



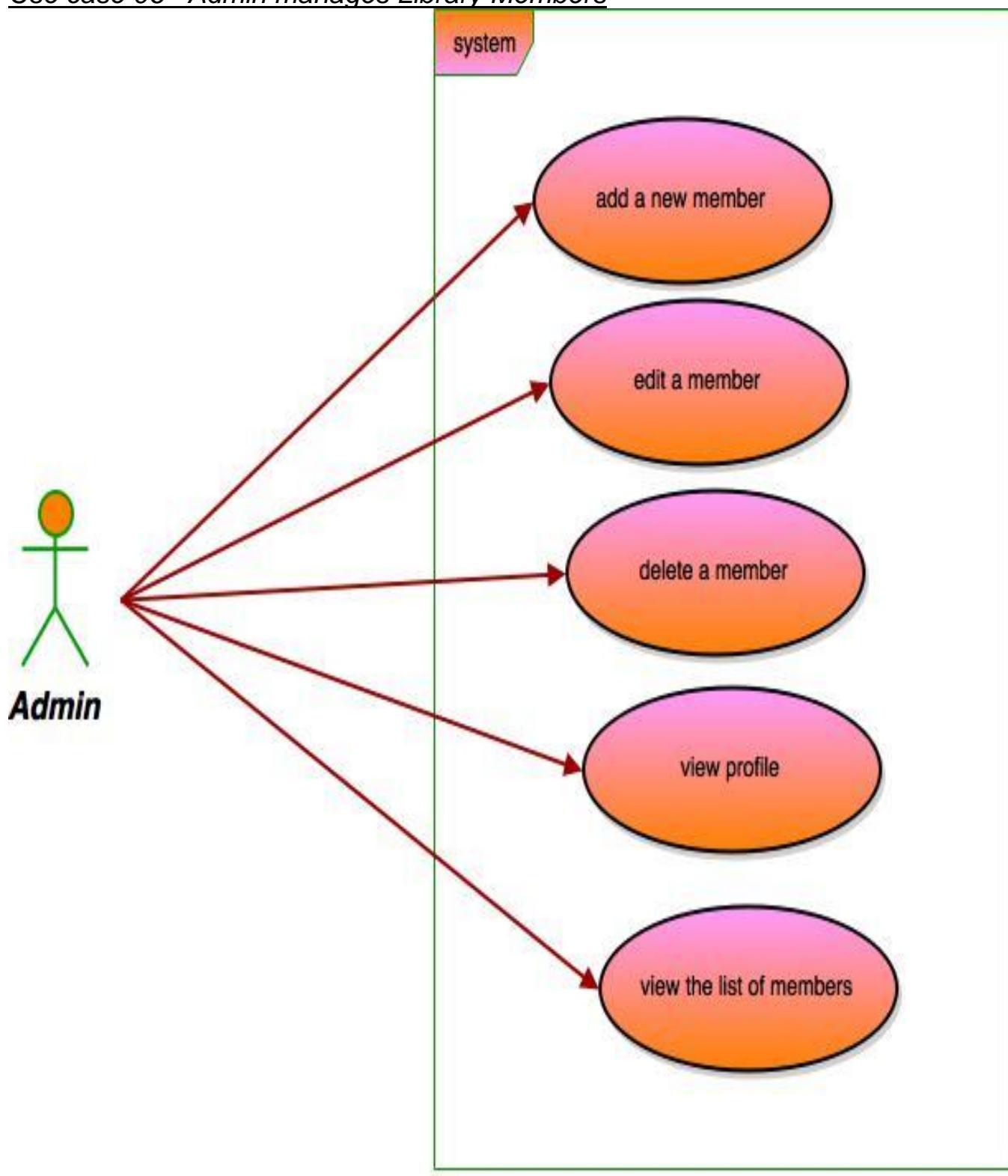
Use case 04 –Admin manages Volunteers



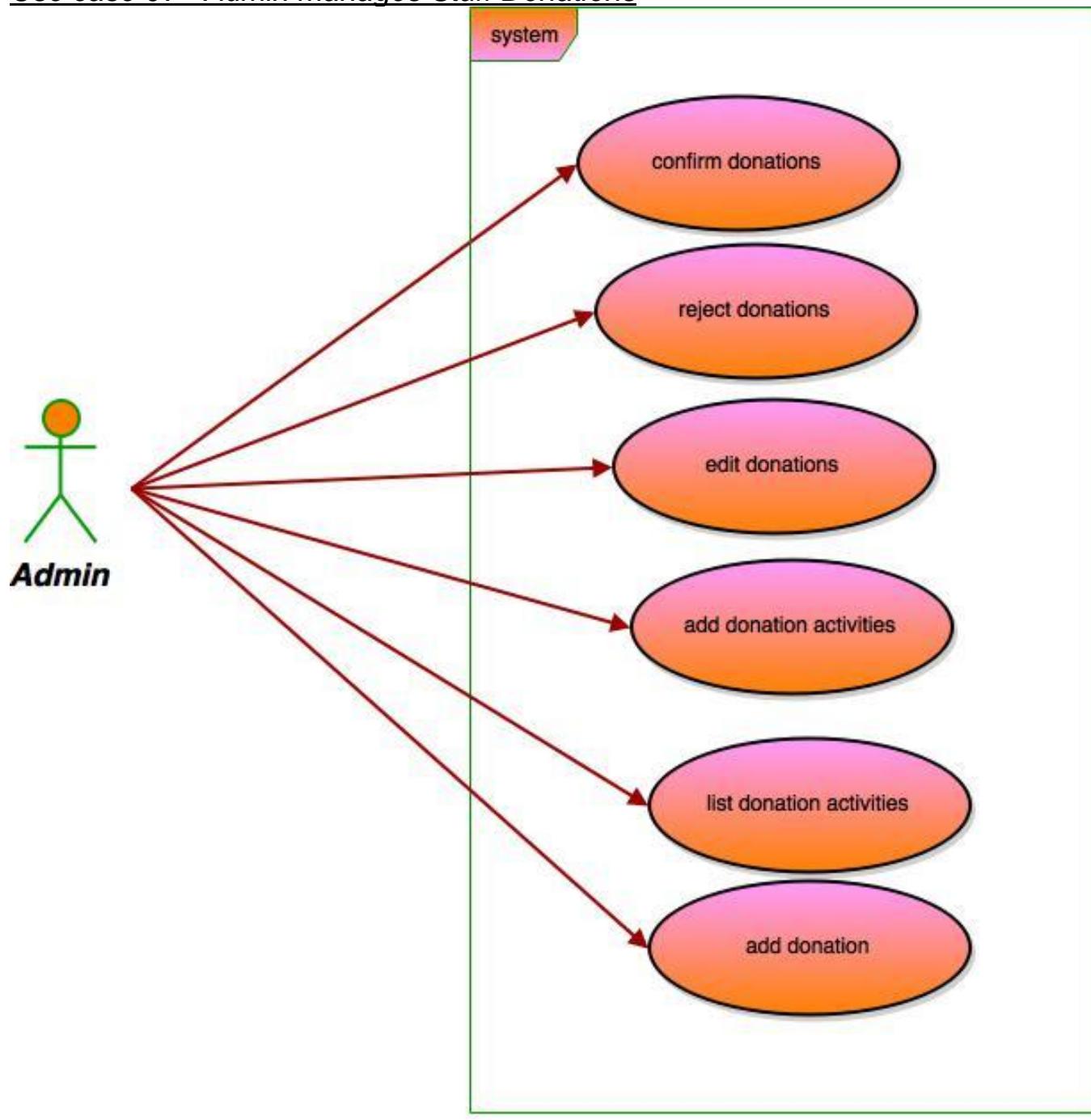
Use case 05 –Admin manages Library



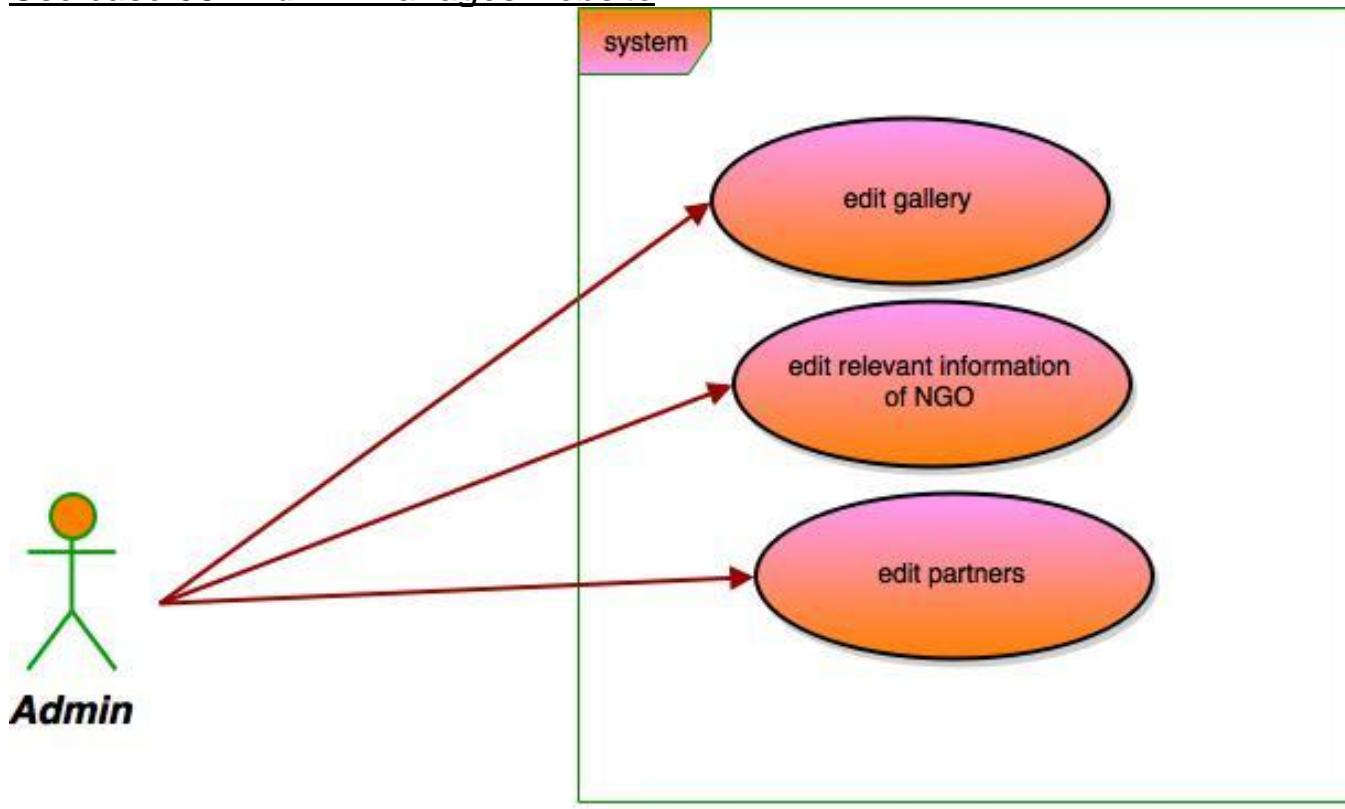
Use case 06 –Admin manages Library Members



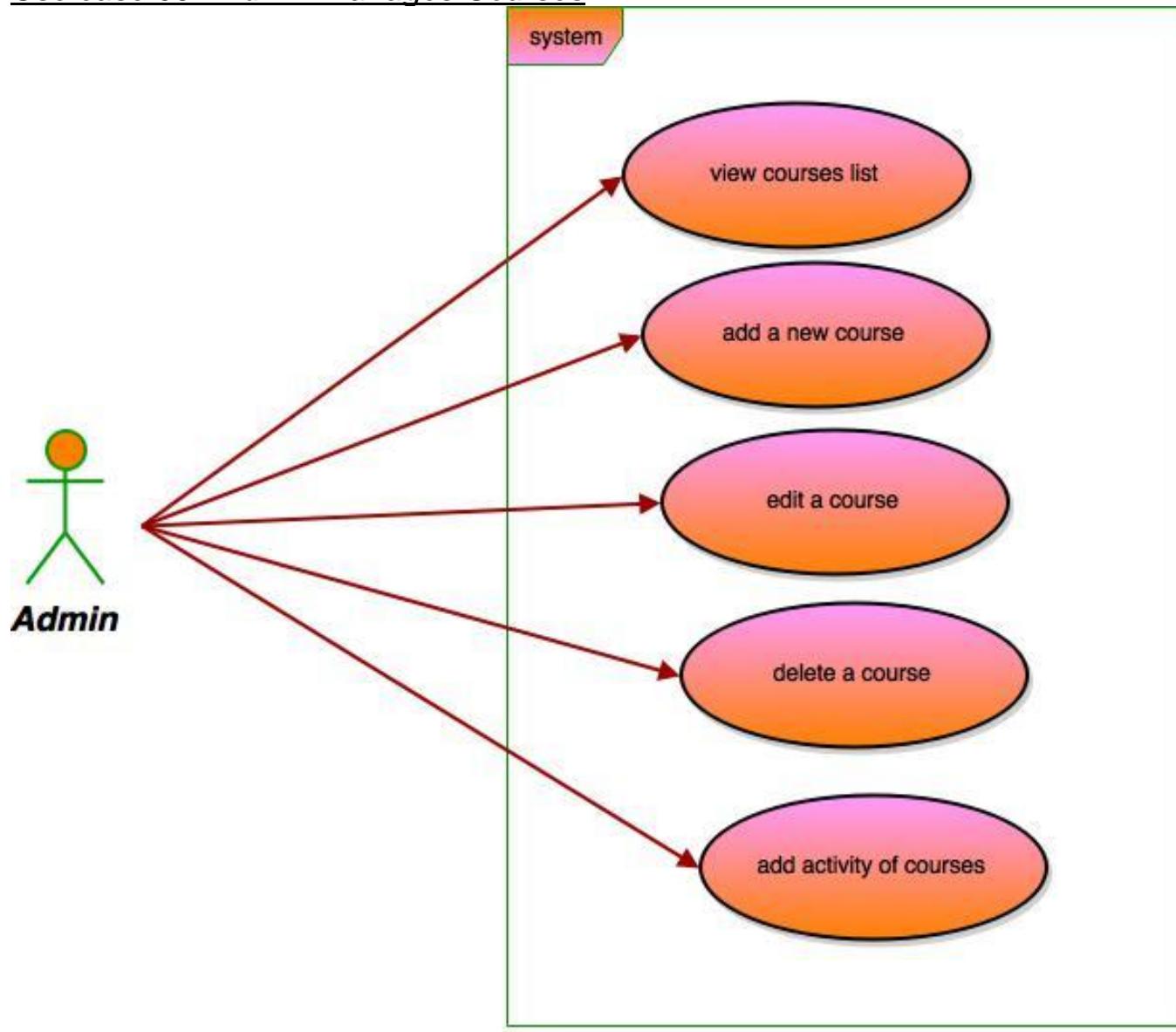
Use case 07 –Admin manages Stuff Donations



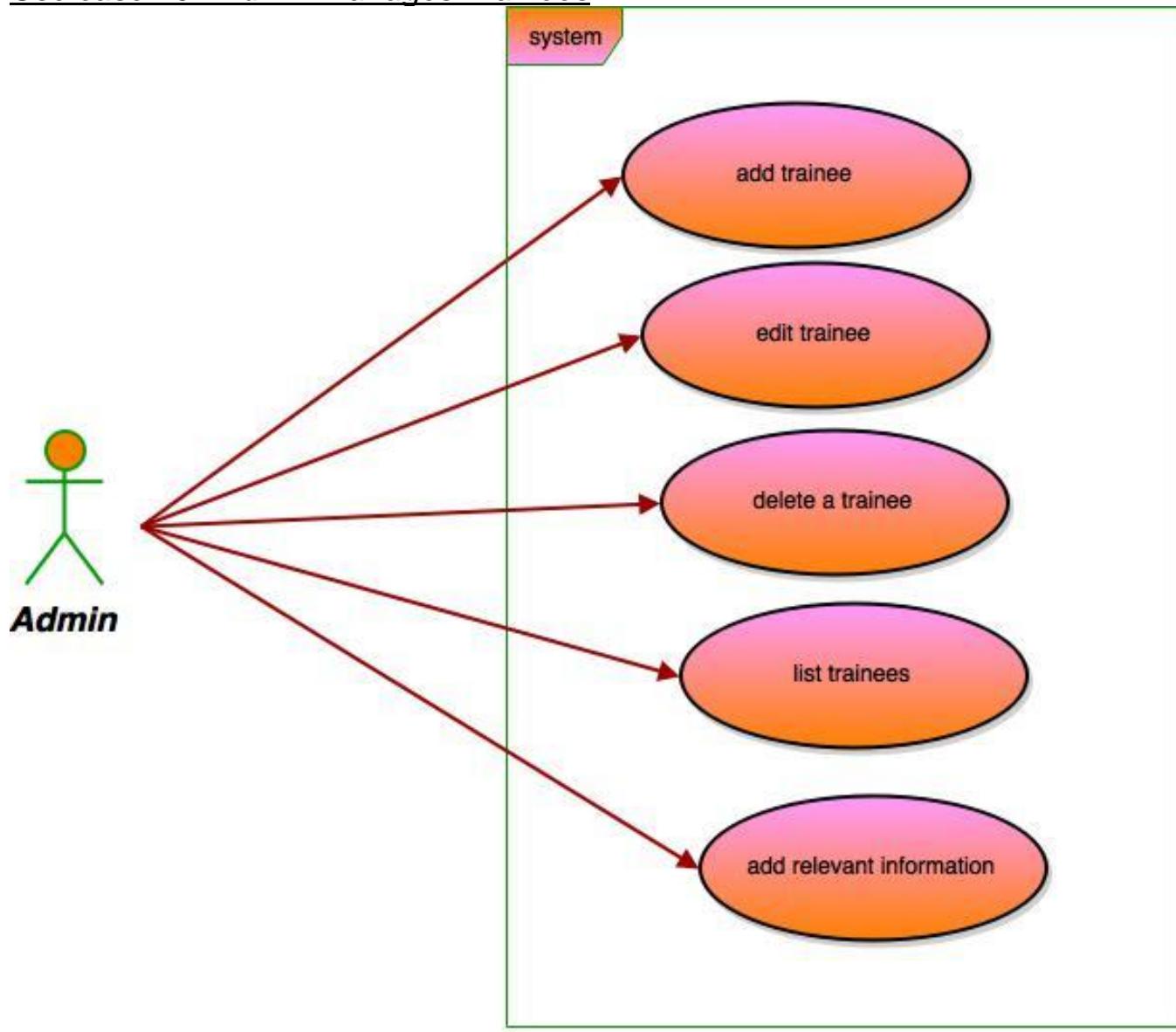
Use case 08 –Admin manages website



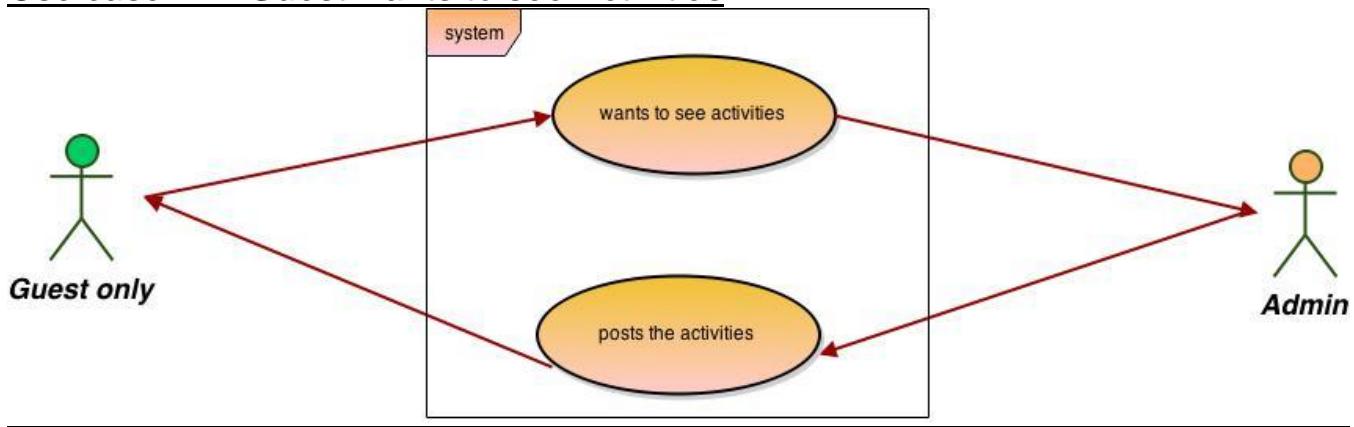
Use case 09 –Admin manages Courses



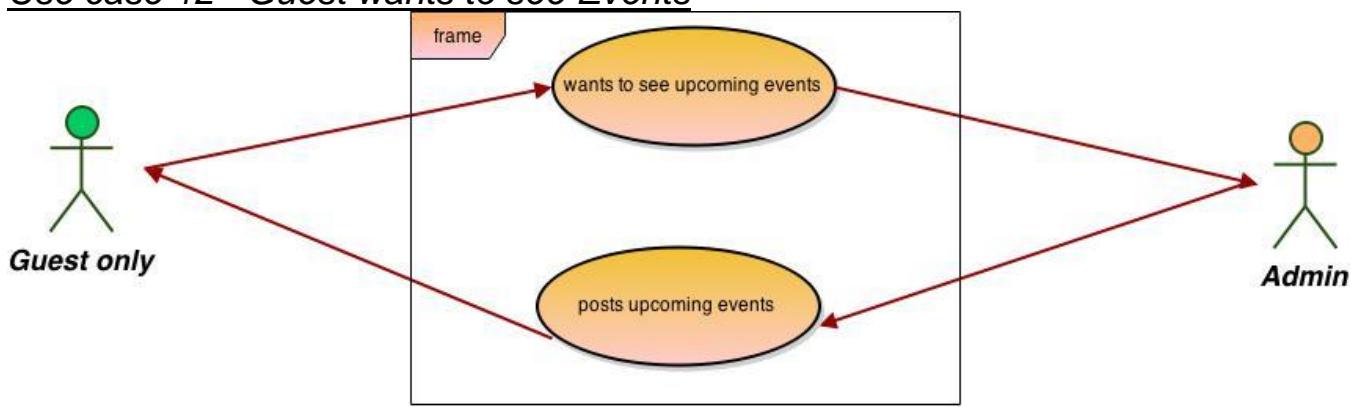
Use case 10 –Admin manages Trainees



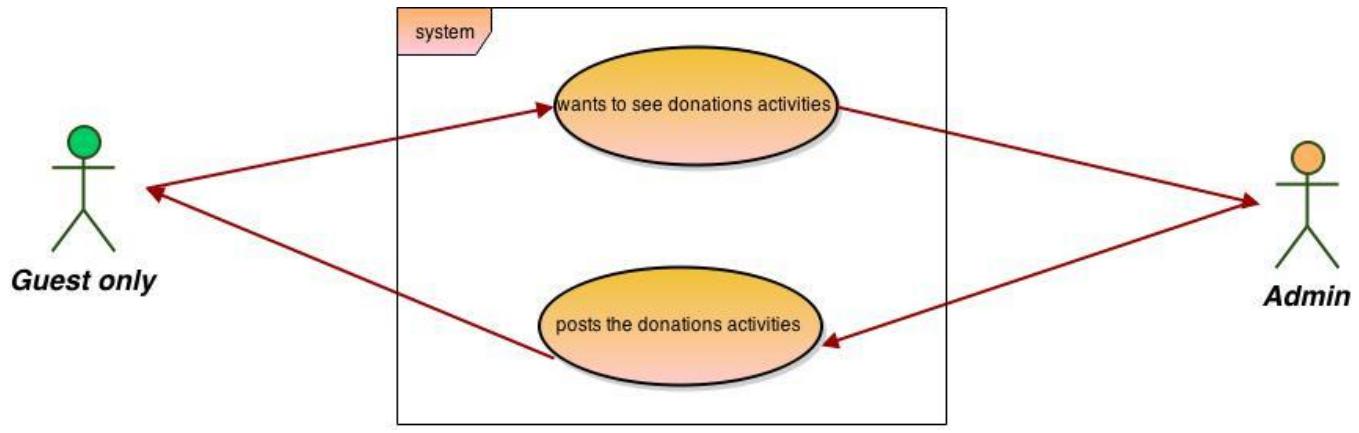
Use case 11 –Guest wants to see Activities



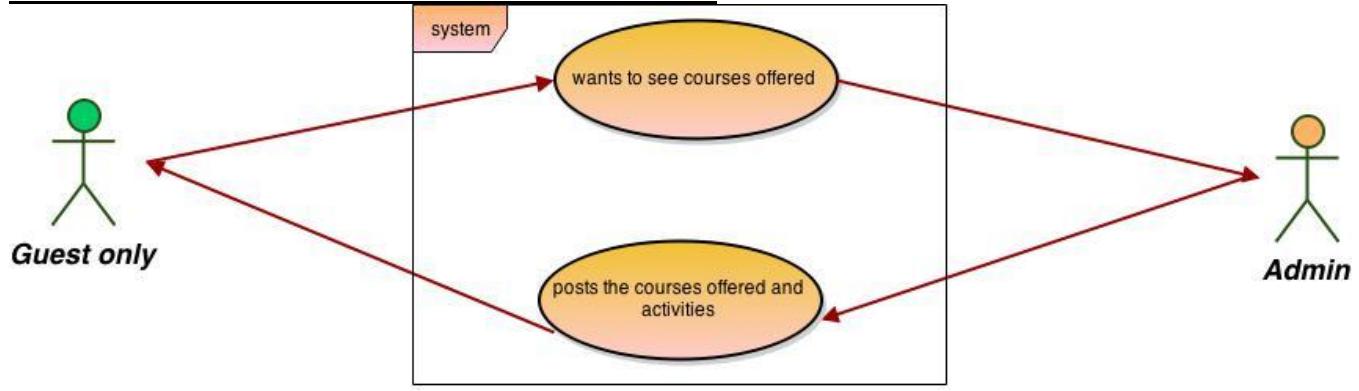
Use case 12 –Guest wants to see Events



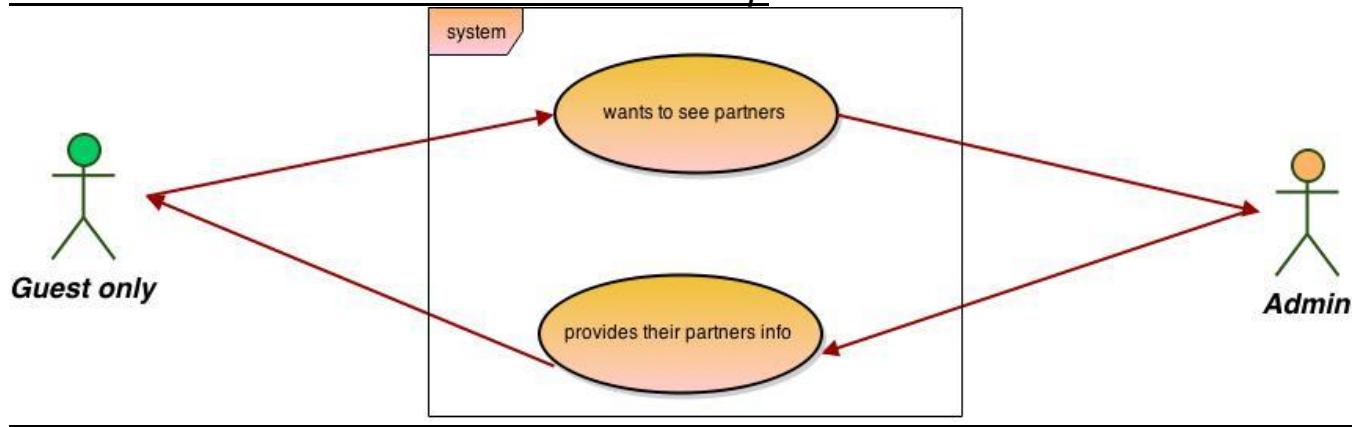
Use case 13 –Guest wants to see Donation Activities



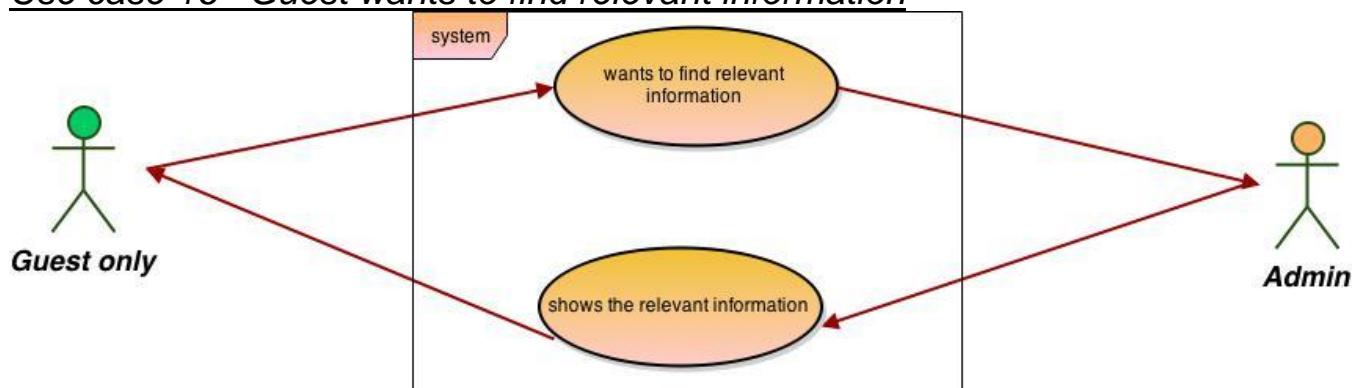
Use case 14 –Guest wants to see Courses



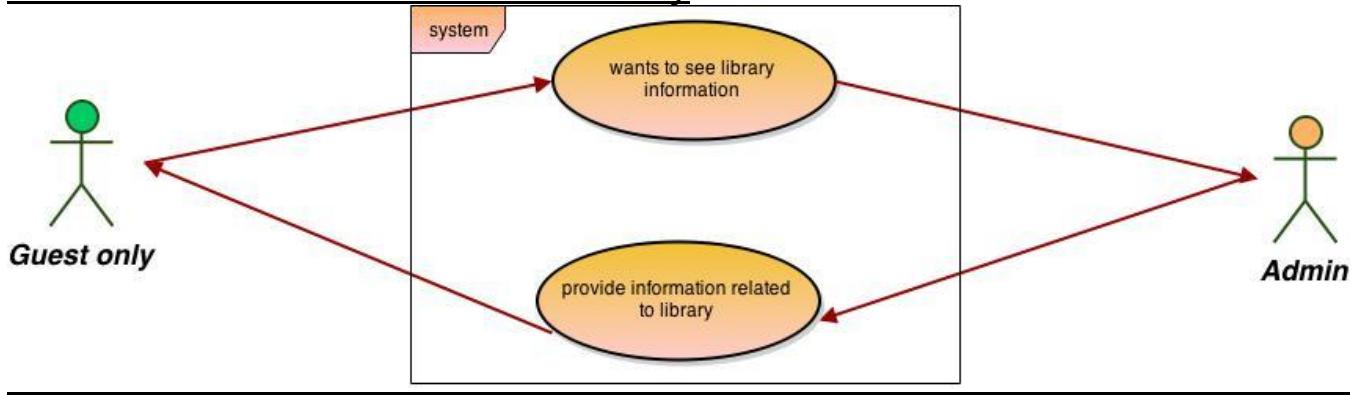
Use case 15 –Guest wants to see Partnership



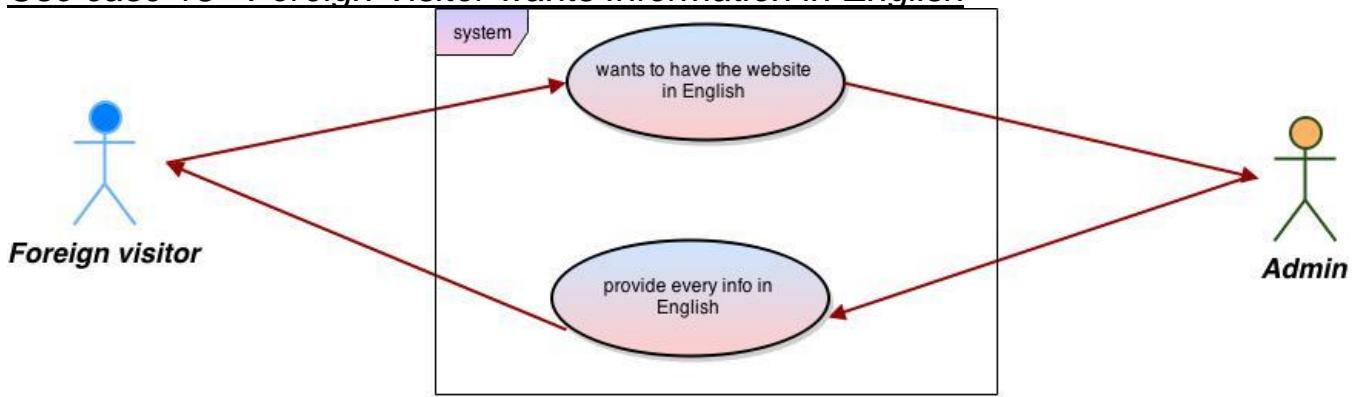
Use case 16 –Guest wants to find relevant information



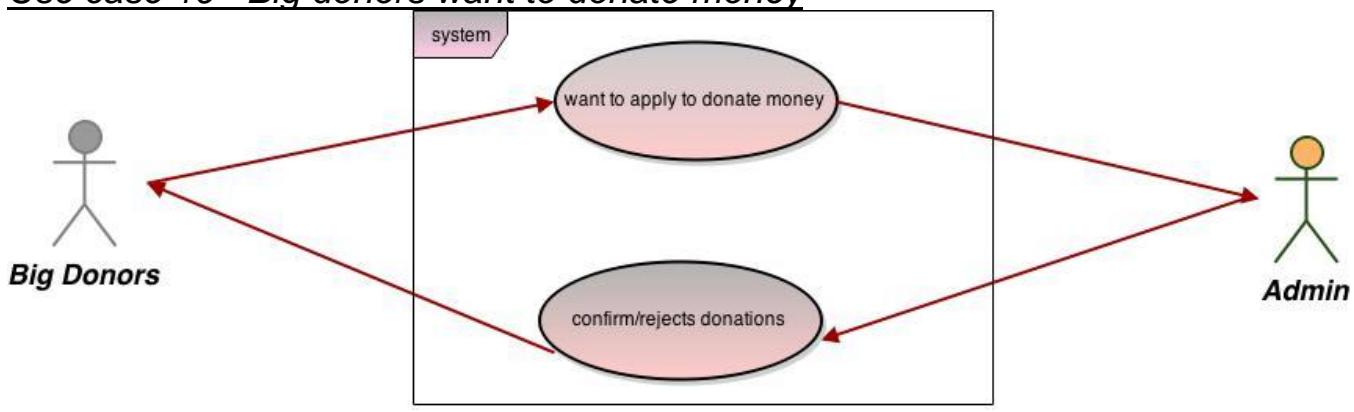
Use case 17 –Guest wants to see Library



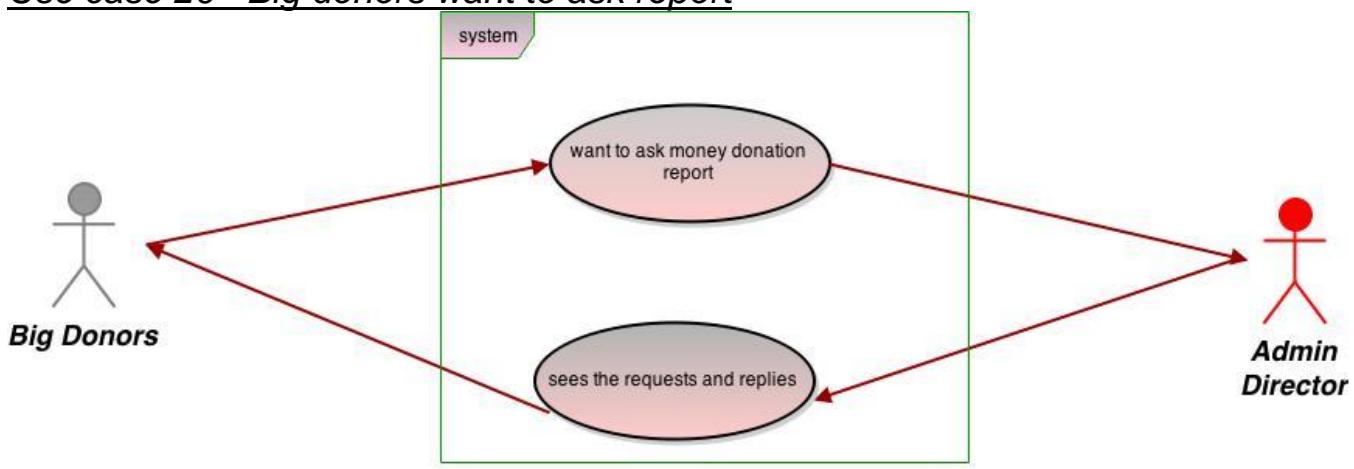
Use case 18 –Foreign Visitor wants Information in English



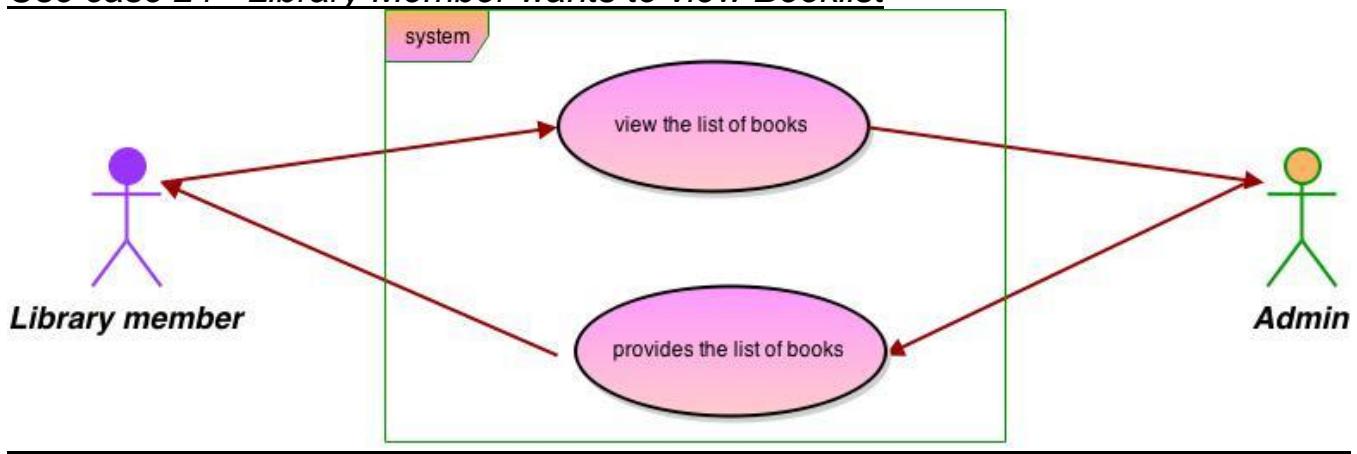
Use case 19 –Big donors want to donate money



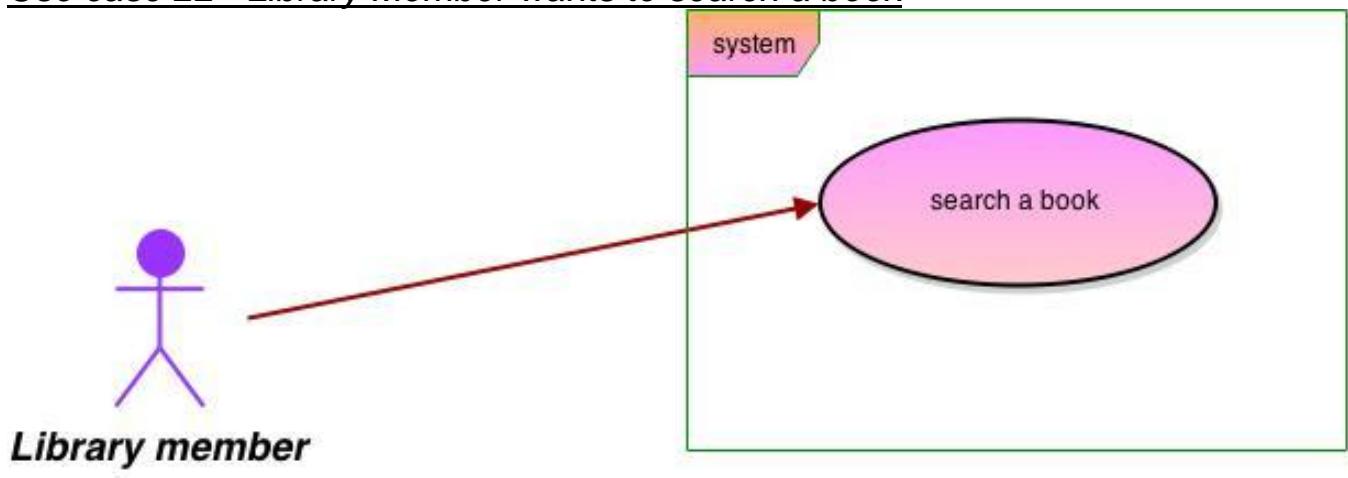
Use case 20 –Big donors want to ask report



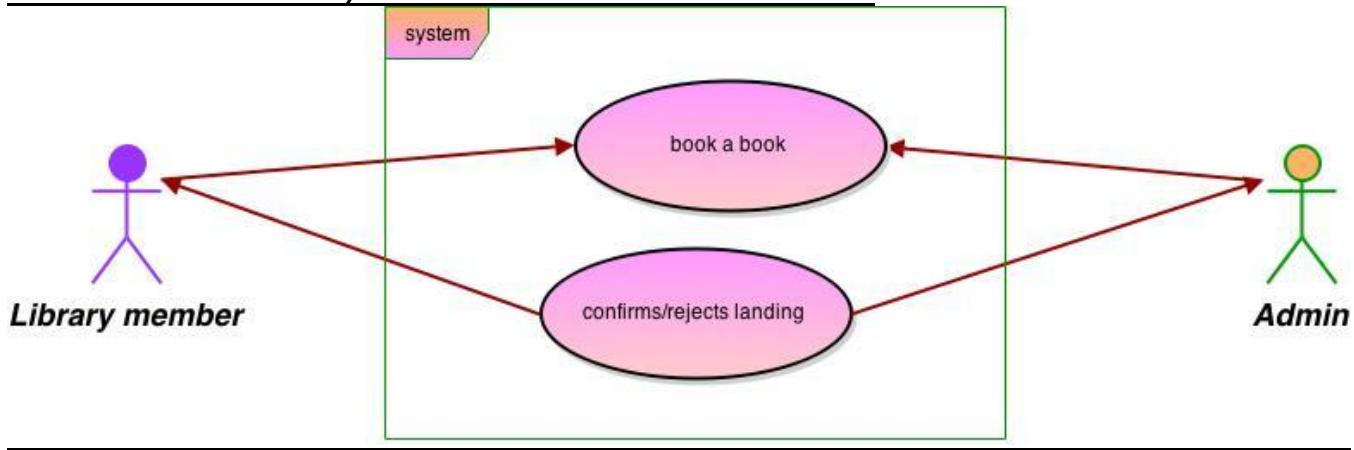
Use case 21 –Library Member wants to view Booklist



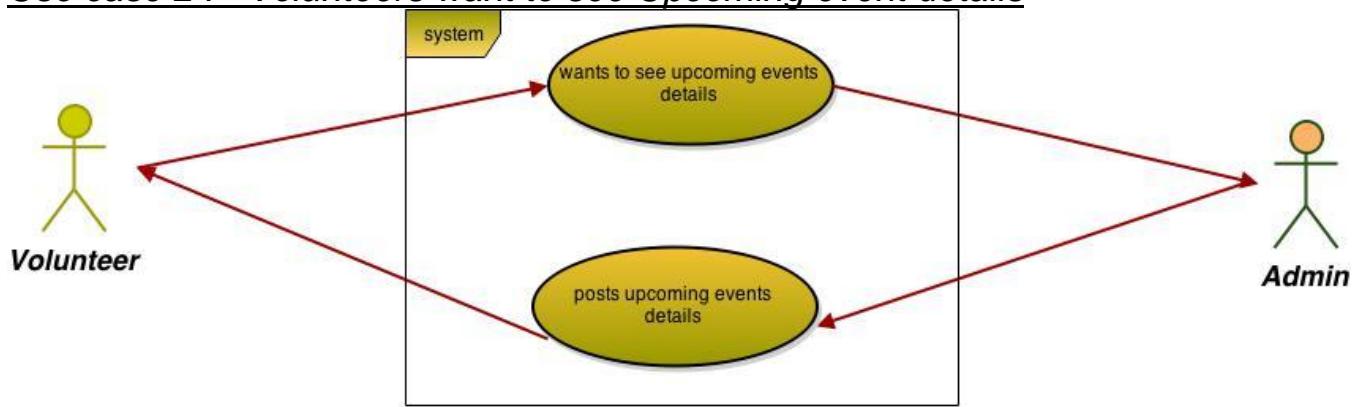
Use case 22 –Library Member wants to search a book



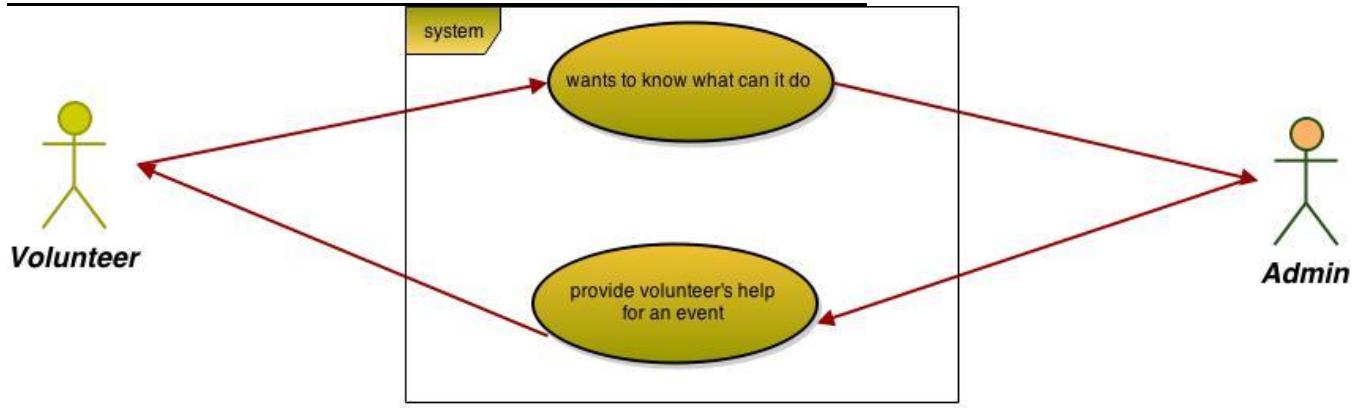
Use case 23 – Library Member wants to Book a book



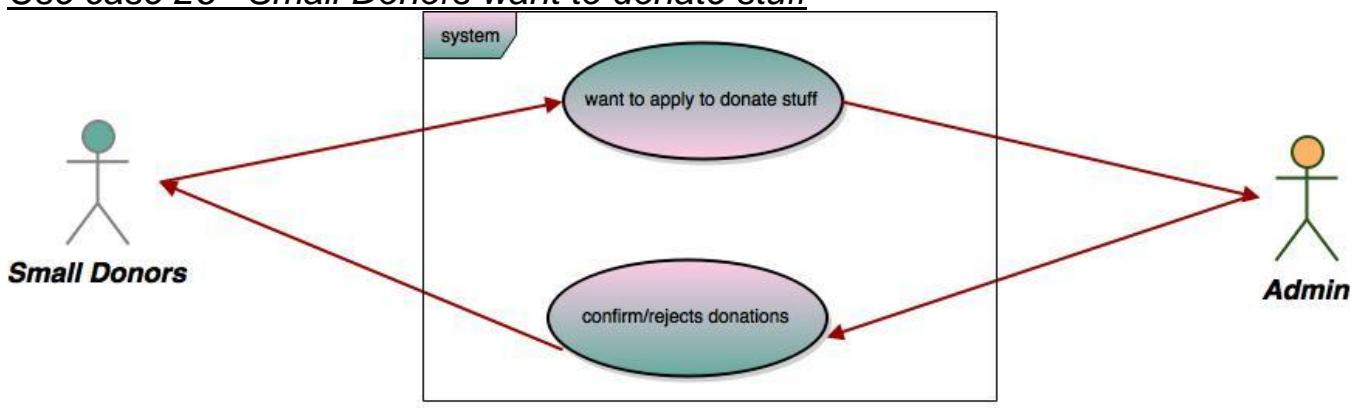
Use case 24 – Volunteers want to see Upcoming event details



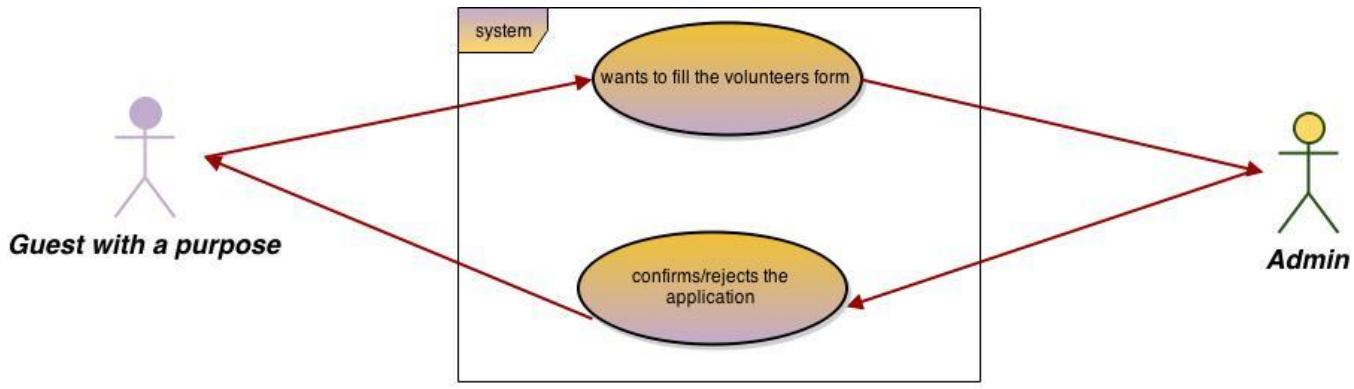
Use case 25 – Volunteers want to see what can it do



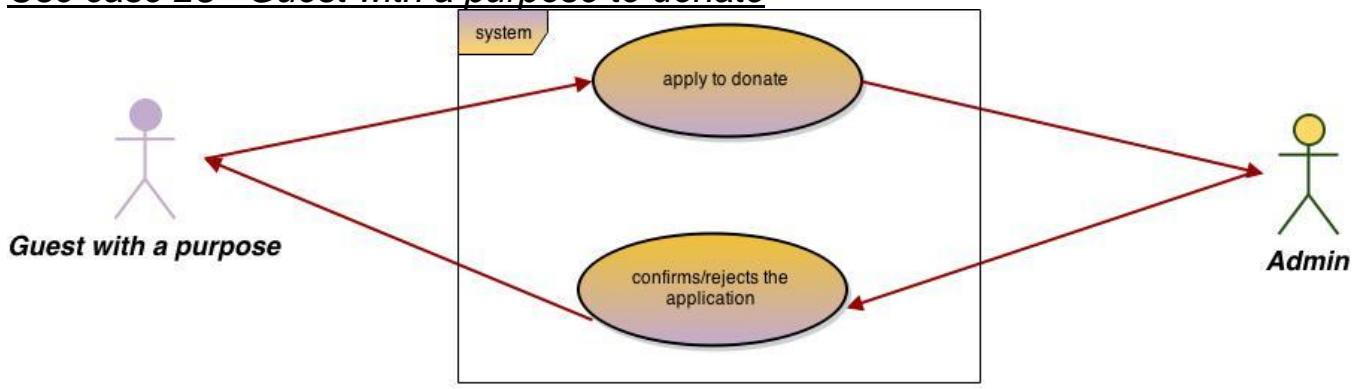
Use case 26 – Small Donors want to donate stuff



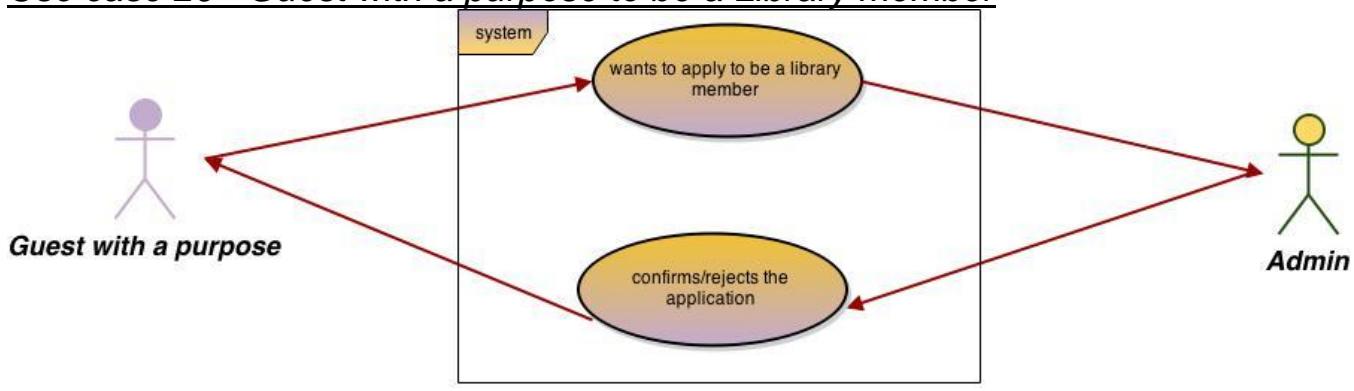
Use case 27 –Guest with a Purpose to be a Volunteer



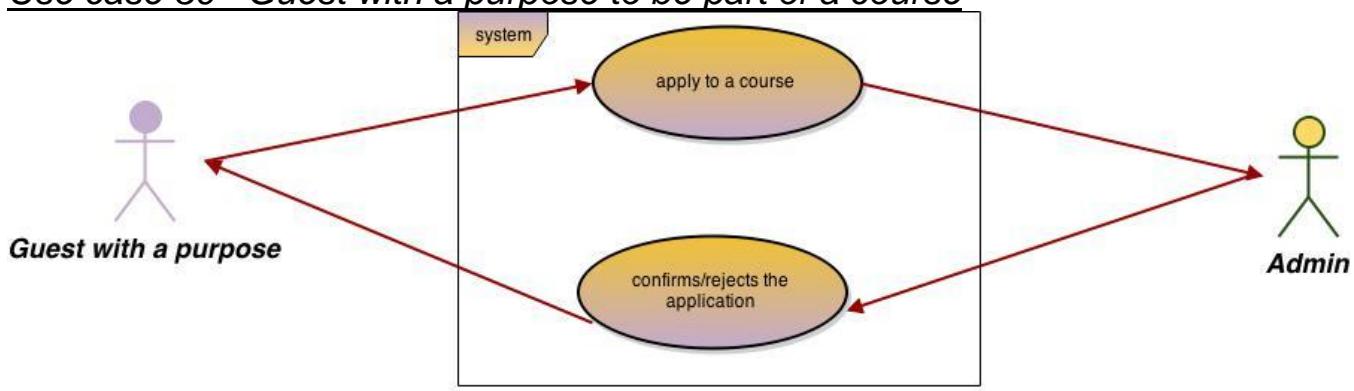
Use case 28 –Guest with a purpose to donate



Use case 29 –Guest with a purpose to be a Library member



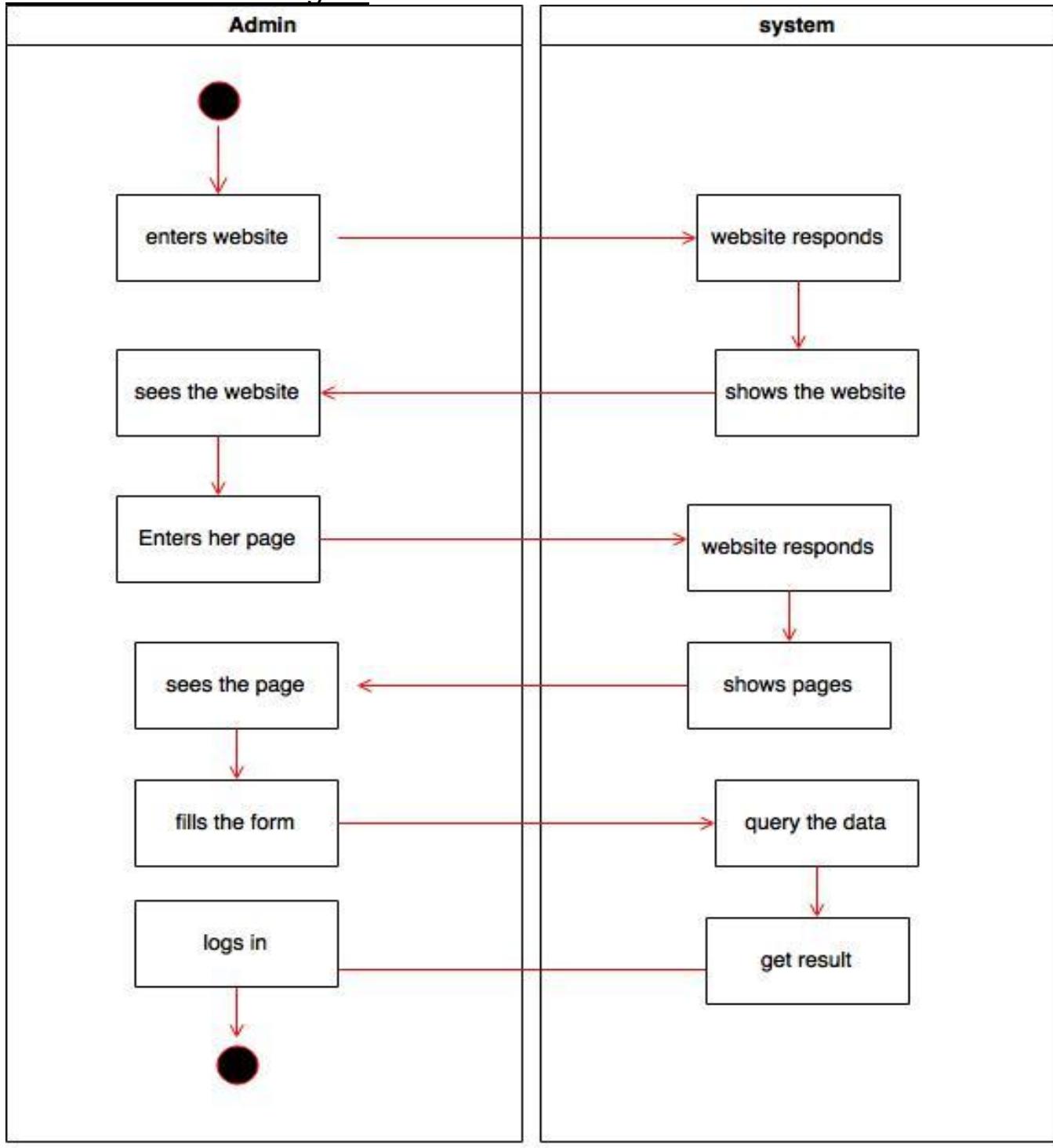
Use case 30 –Guest with a purpose to be part of a course



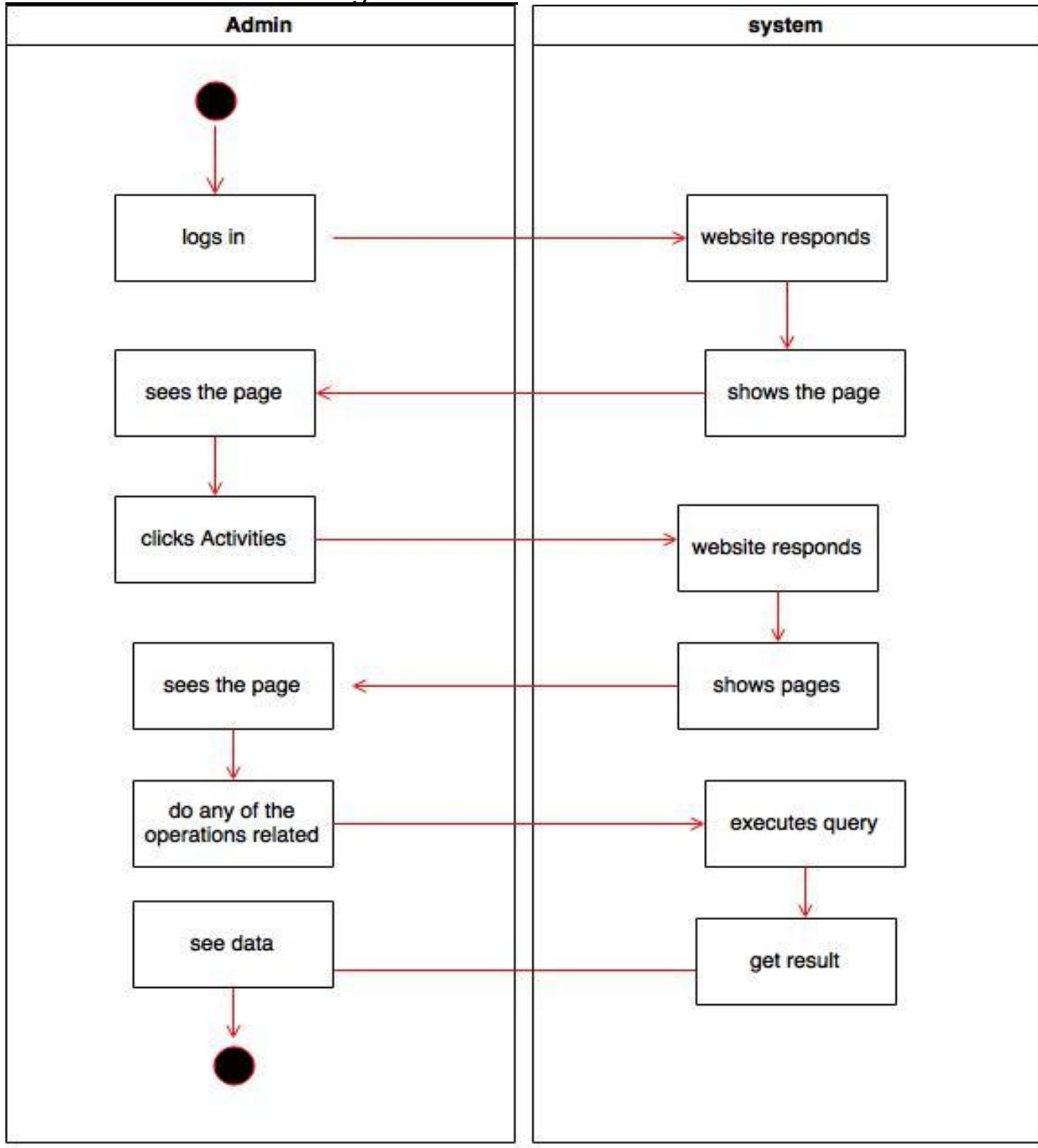
Activity Diagrams

Note: In order for simplicity, do operations or manages is used for CRUD or CRUD+confirms rejects

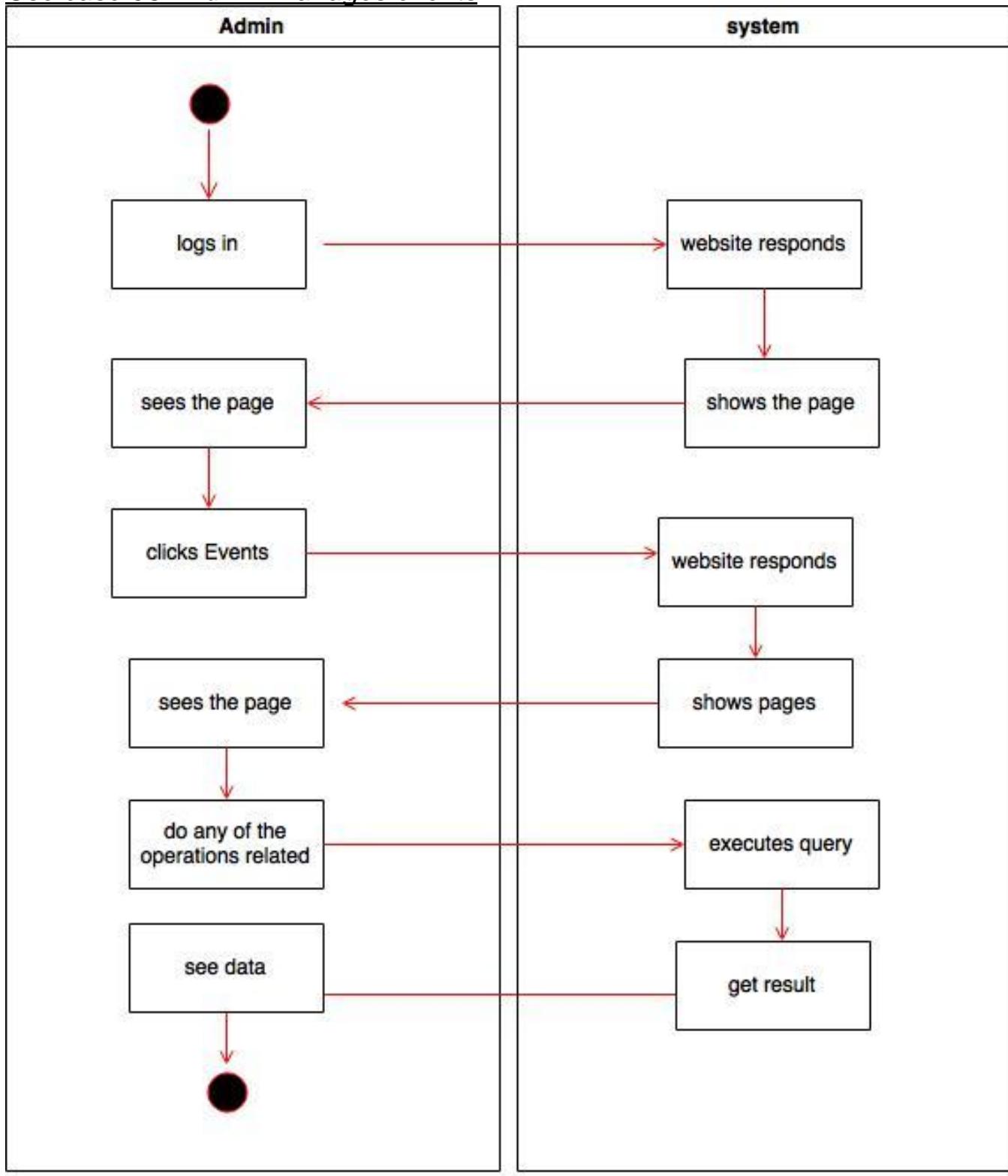
Use case 01 –Admin logs in



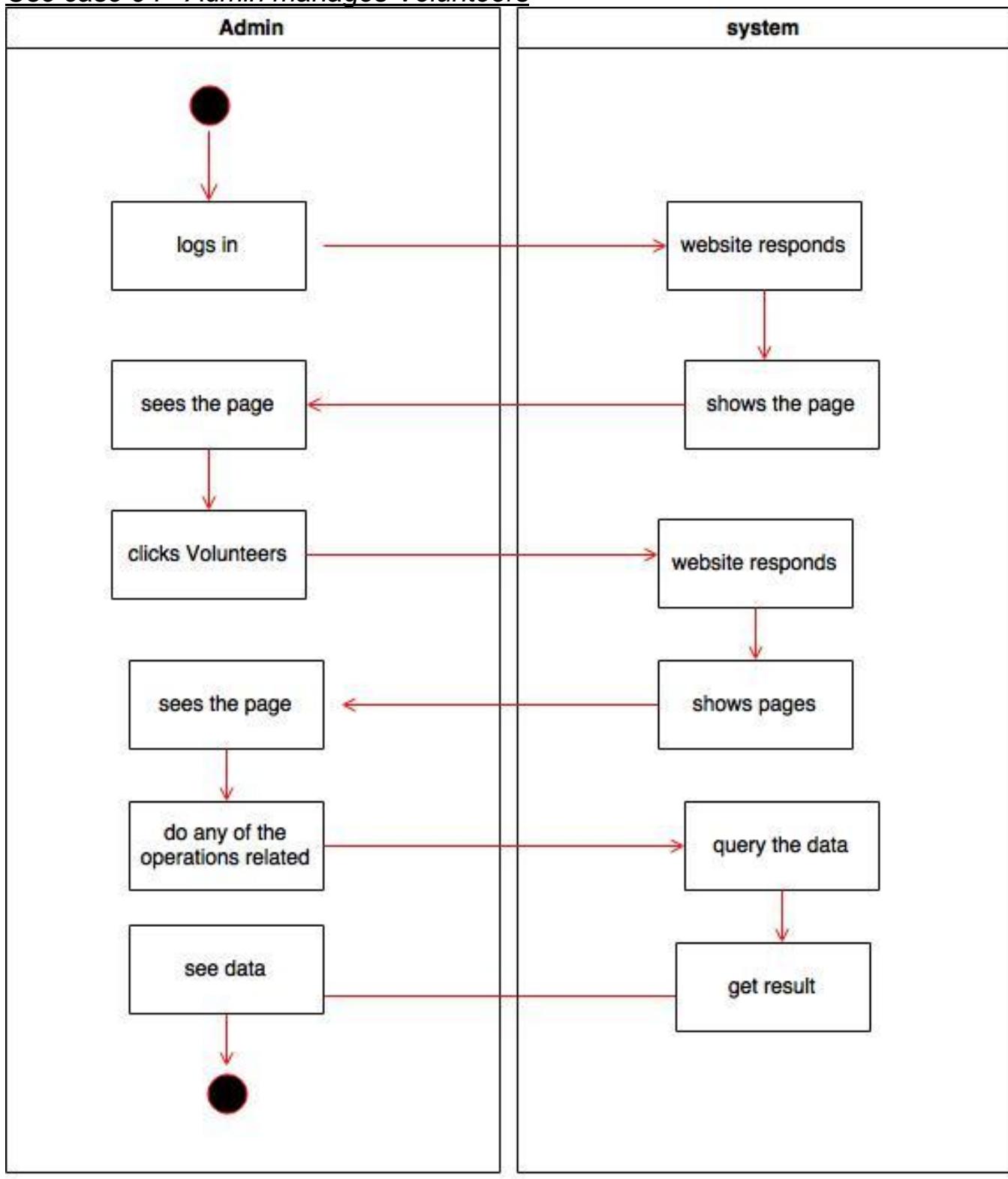
Use case 02 –Admin manages activities



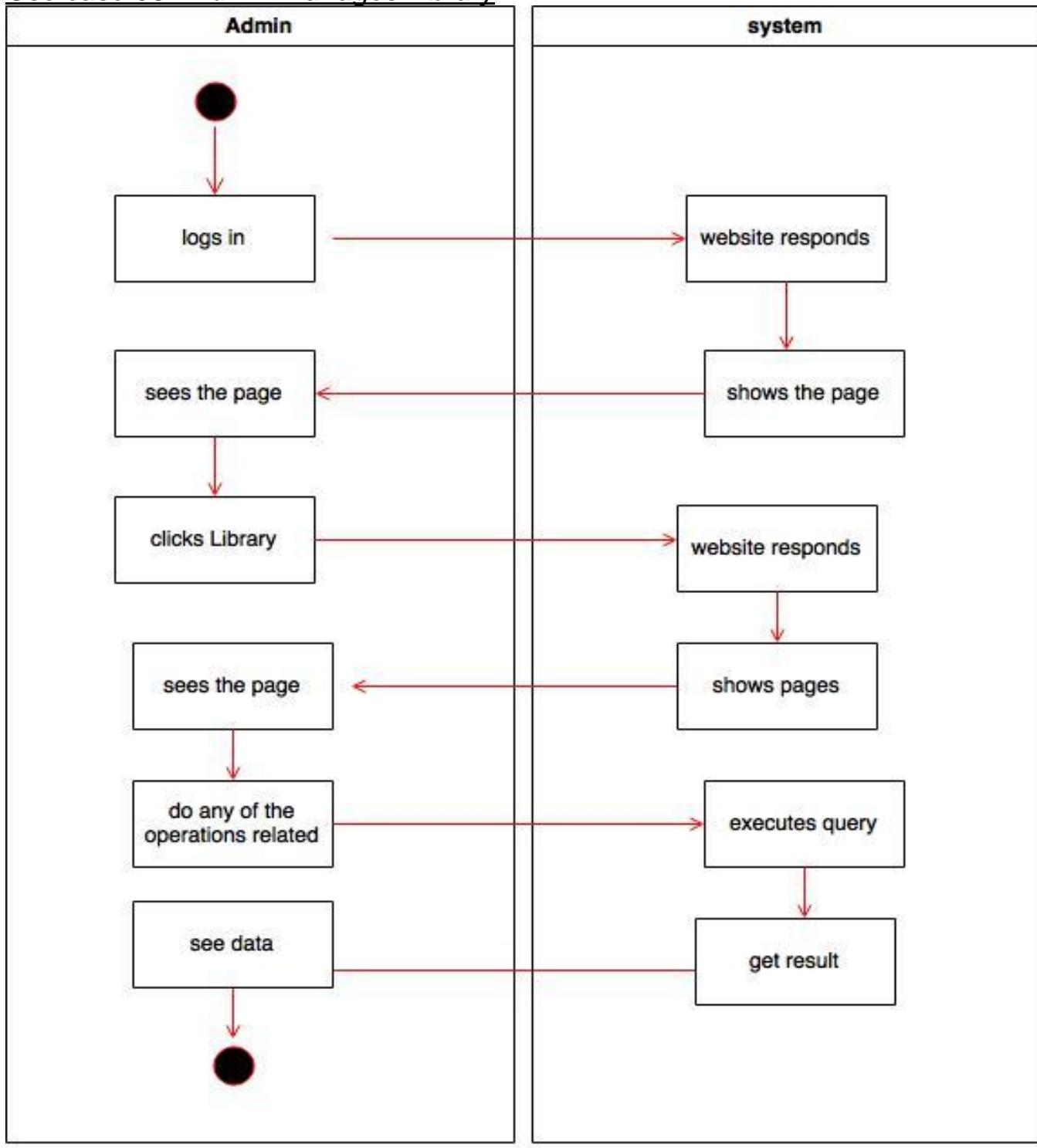
Use case 03 –Admin manages events



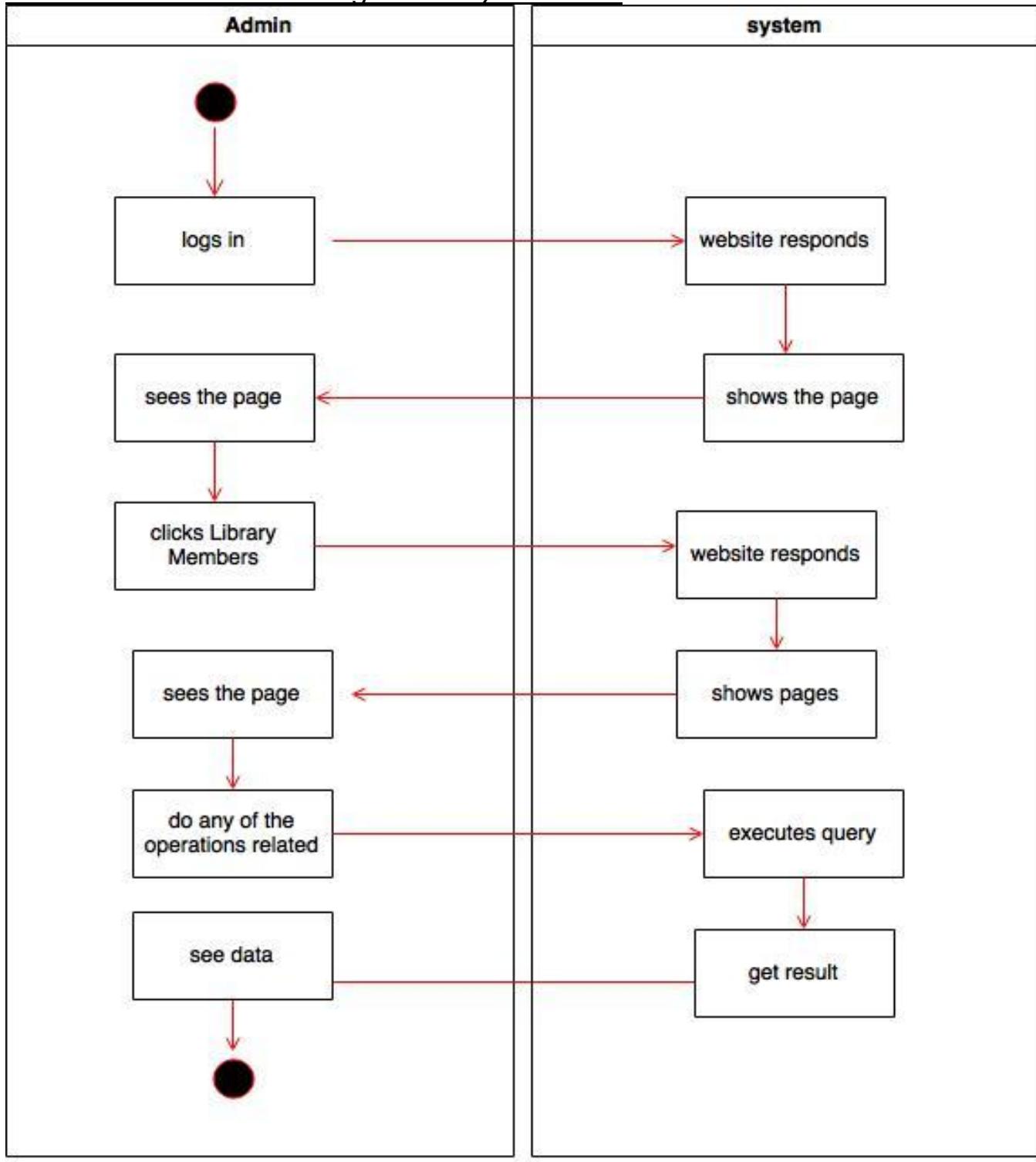
Use case 04 –Admin manages Volunteers



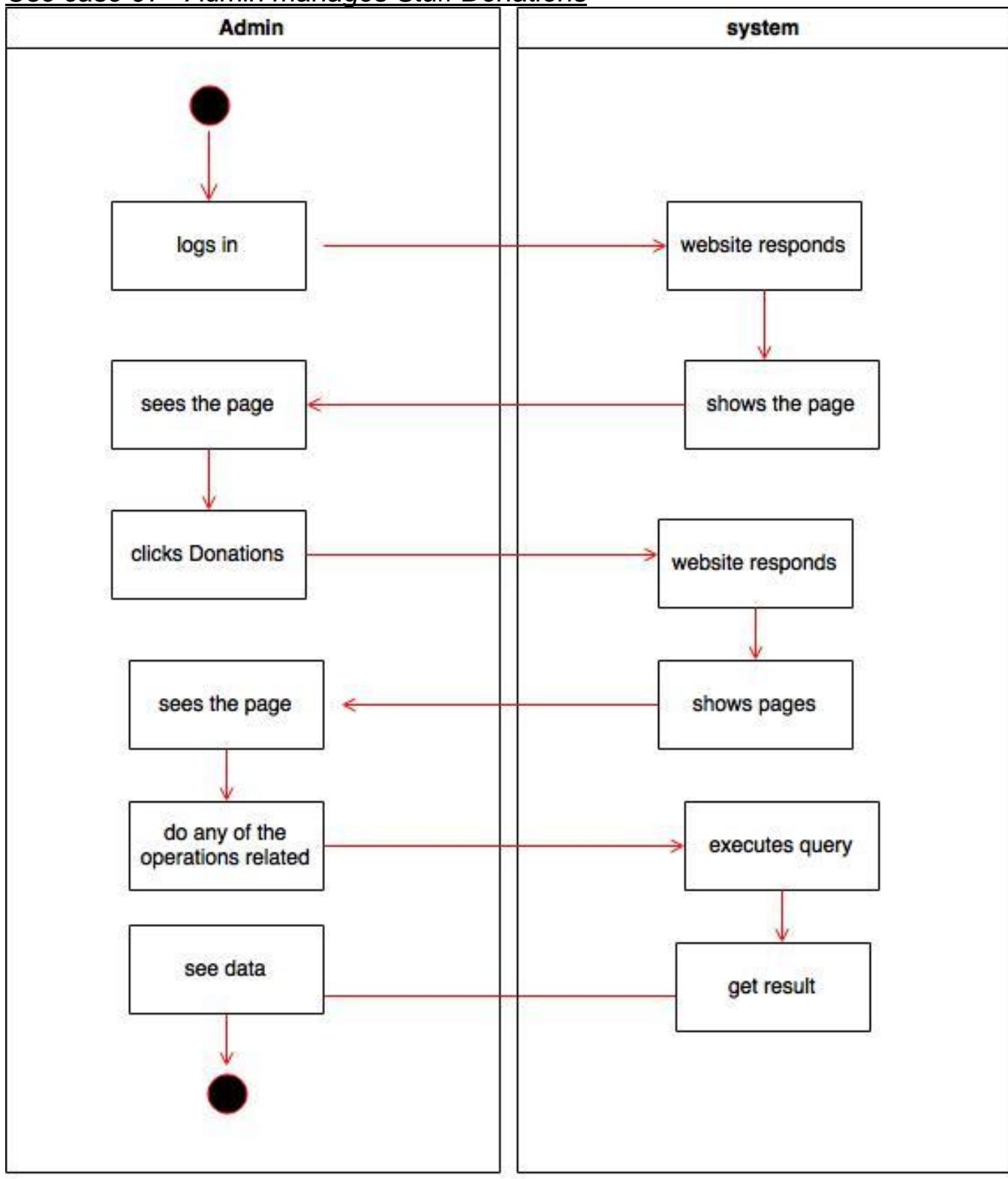
Use case 05 –Admin manages Library



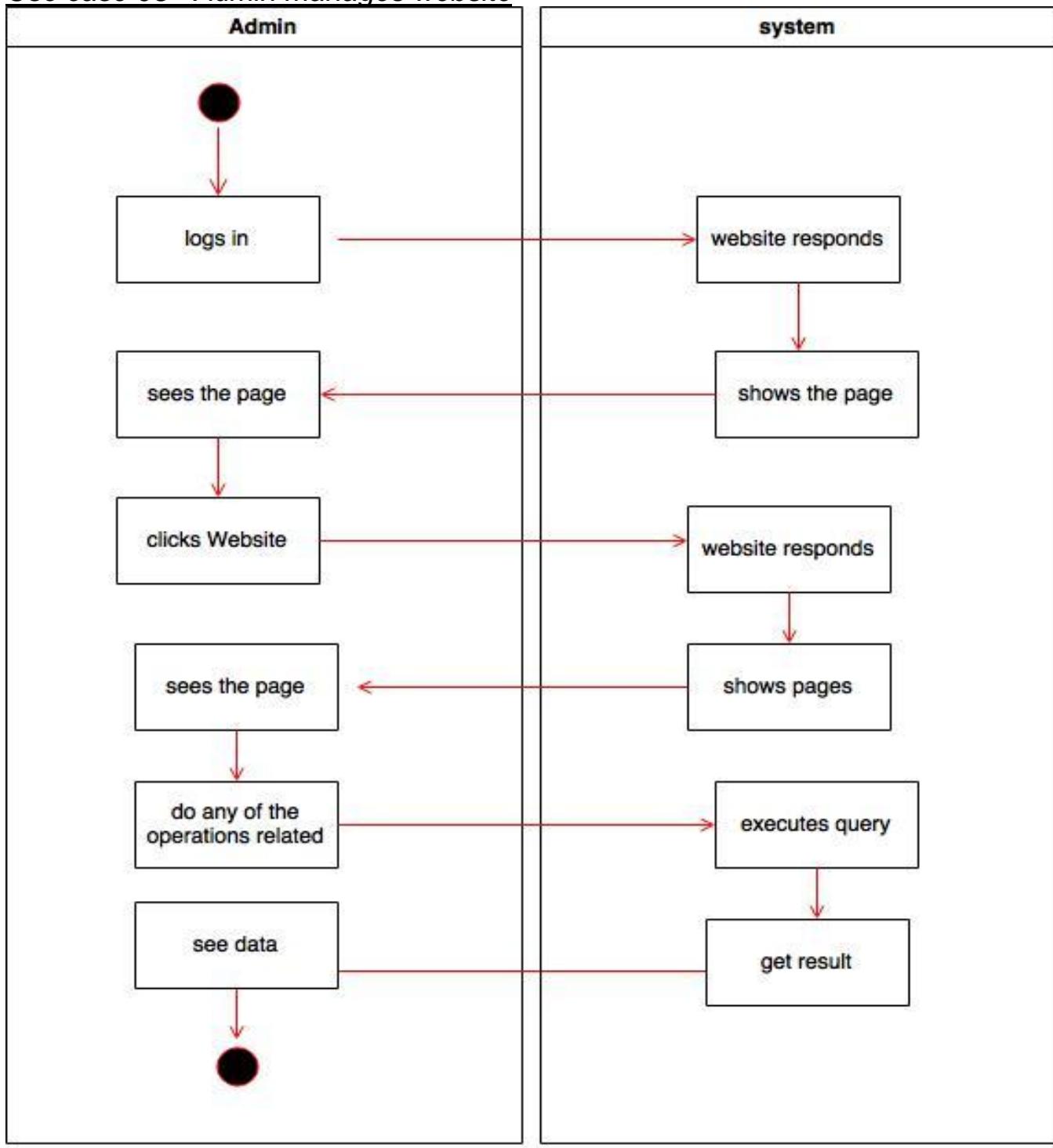
Use case 06 –Admin manages Library Members



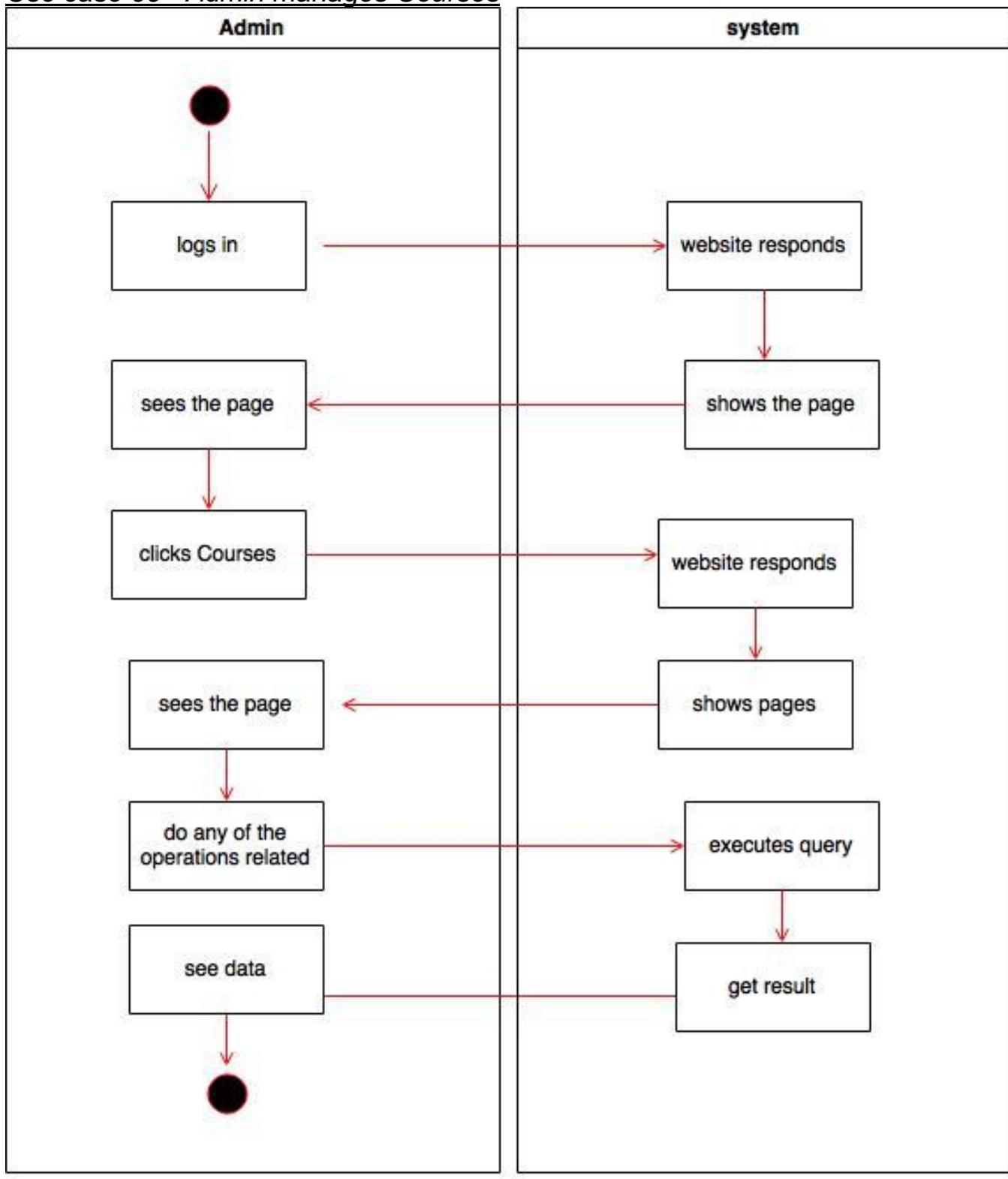
Use case 07 –Admin manages Stuff Donations



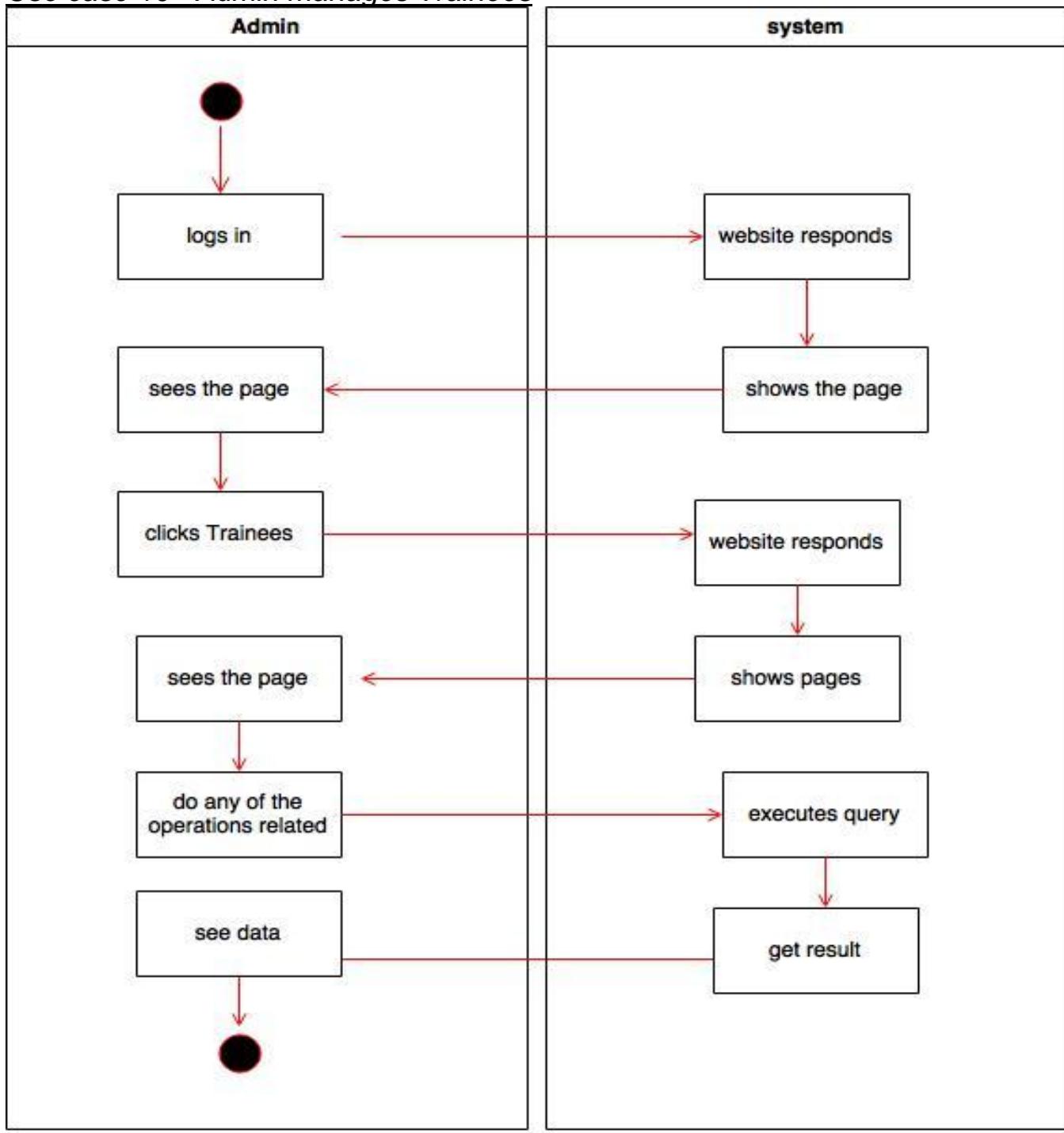
Use case 08 –Admin manages website



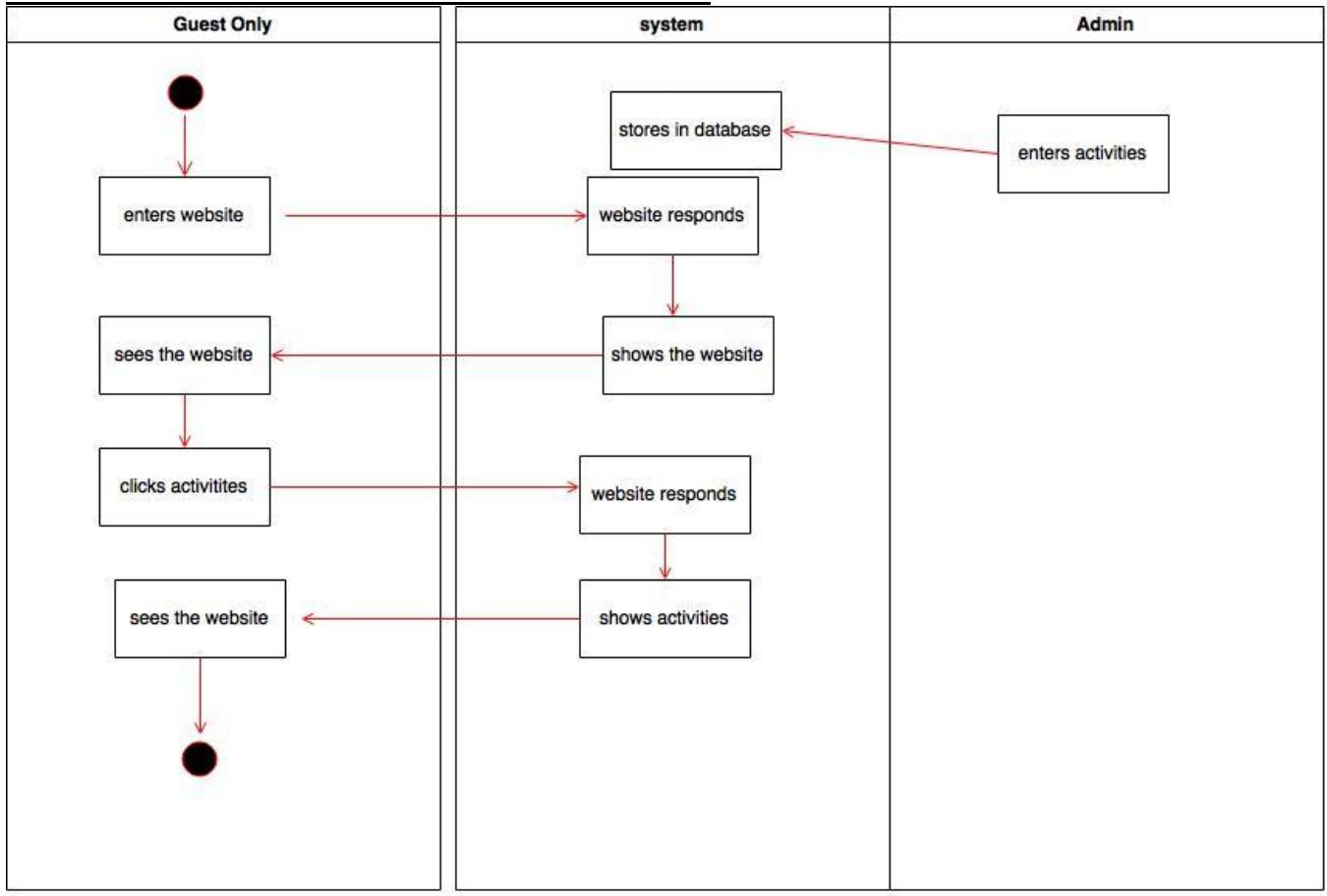
Use case 09 –Admin manages Courses



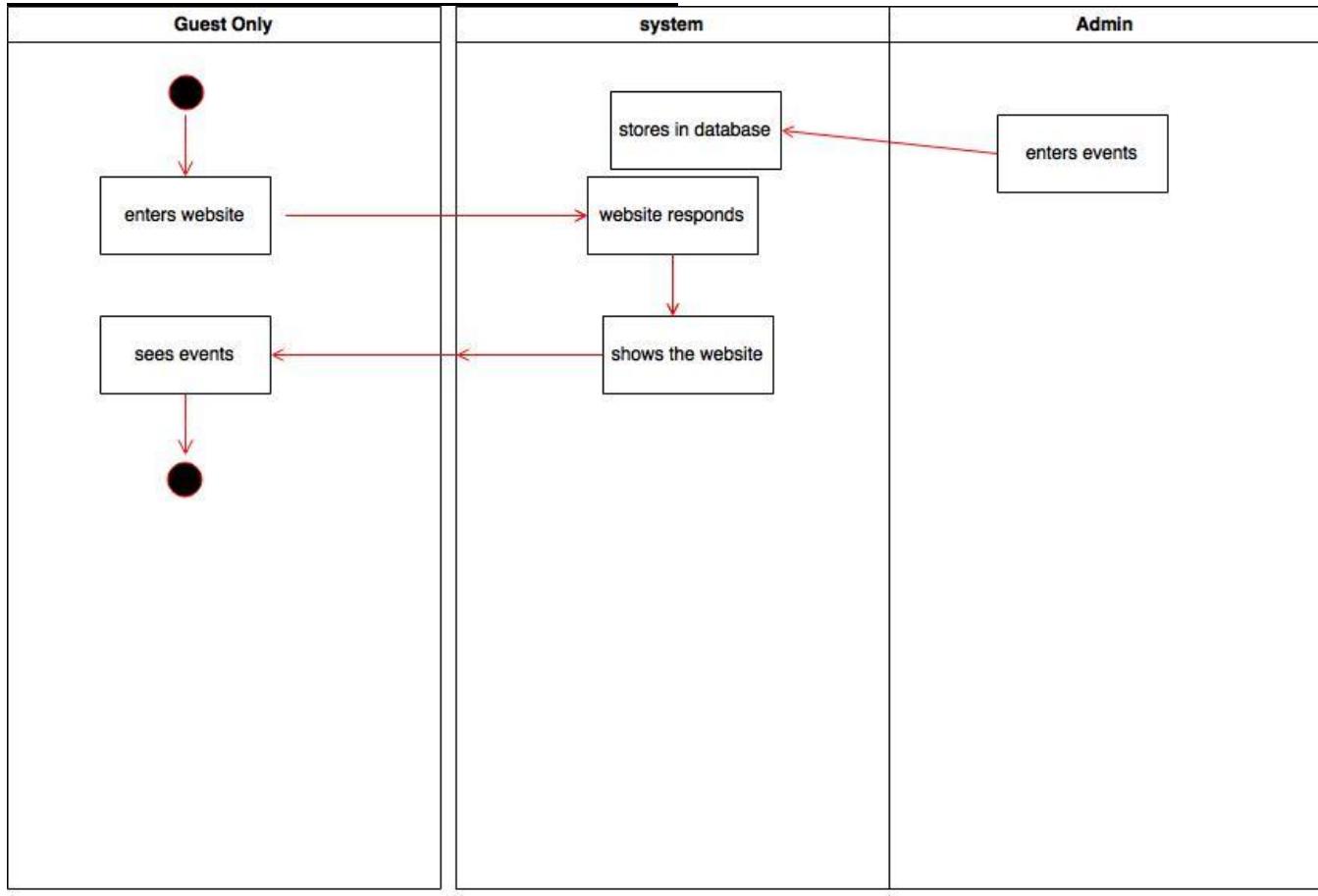
Use case 10 –Admin manages Trainees



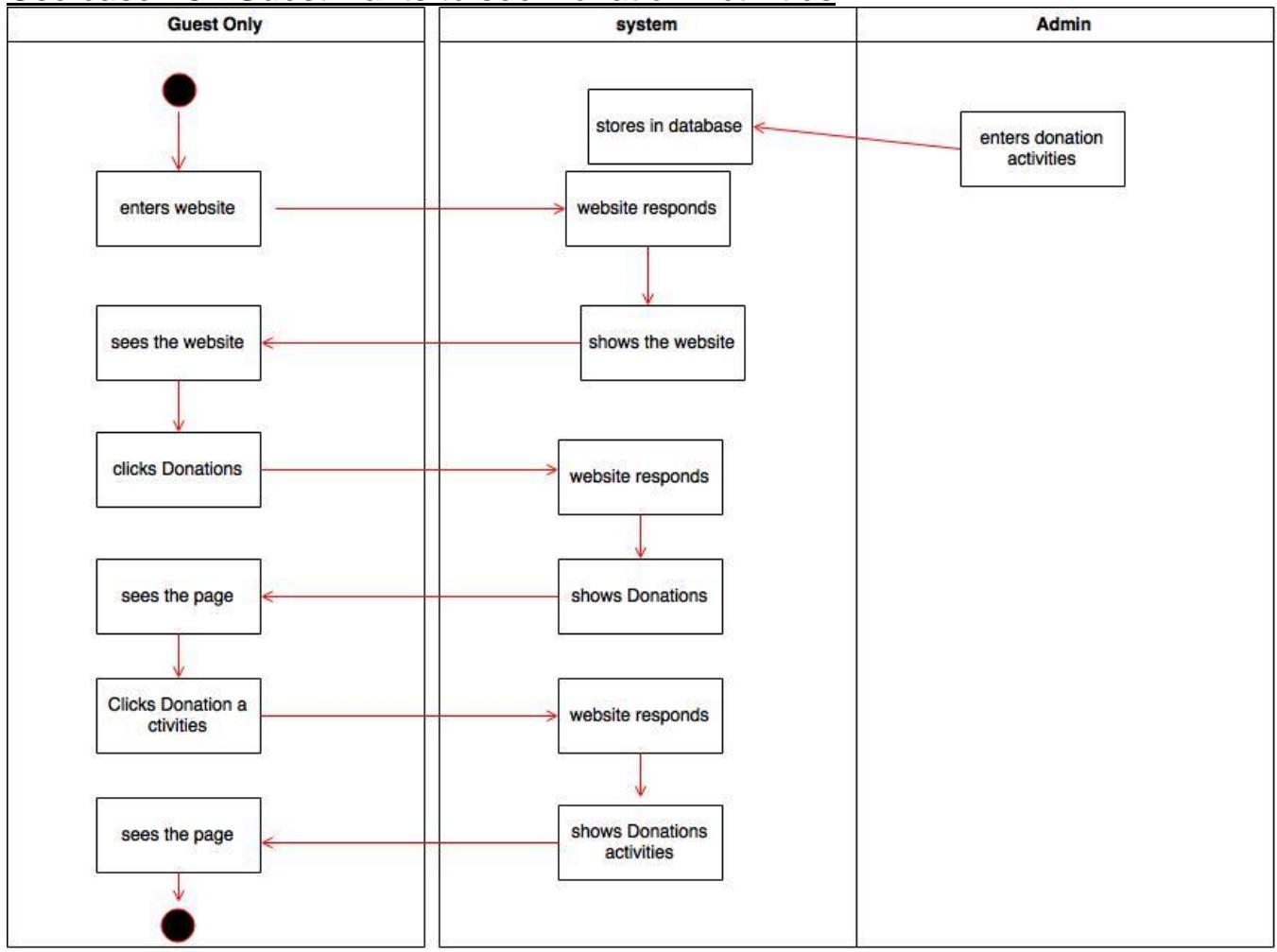
Use case 11 – Guest wants to see Activities



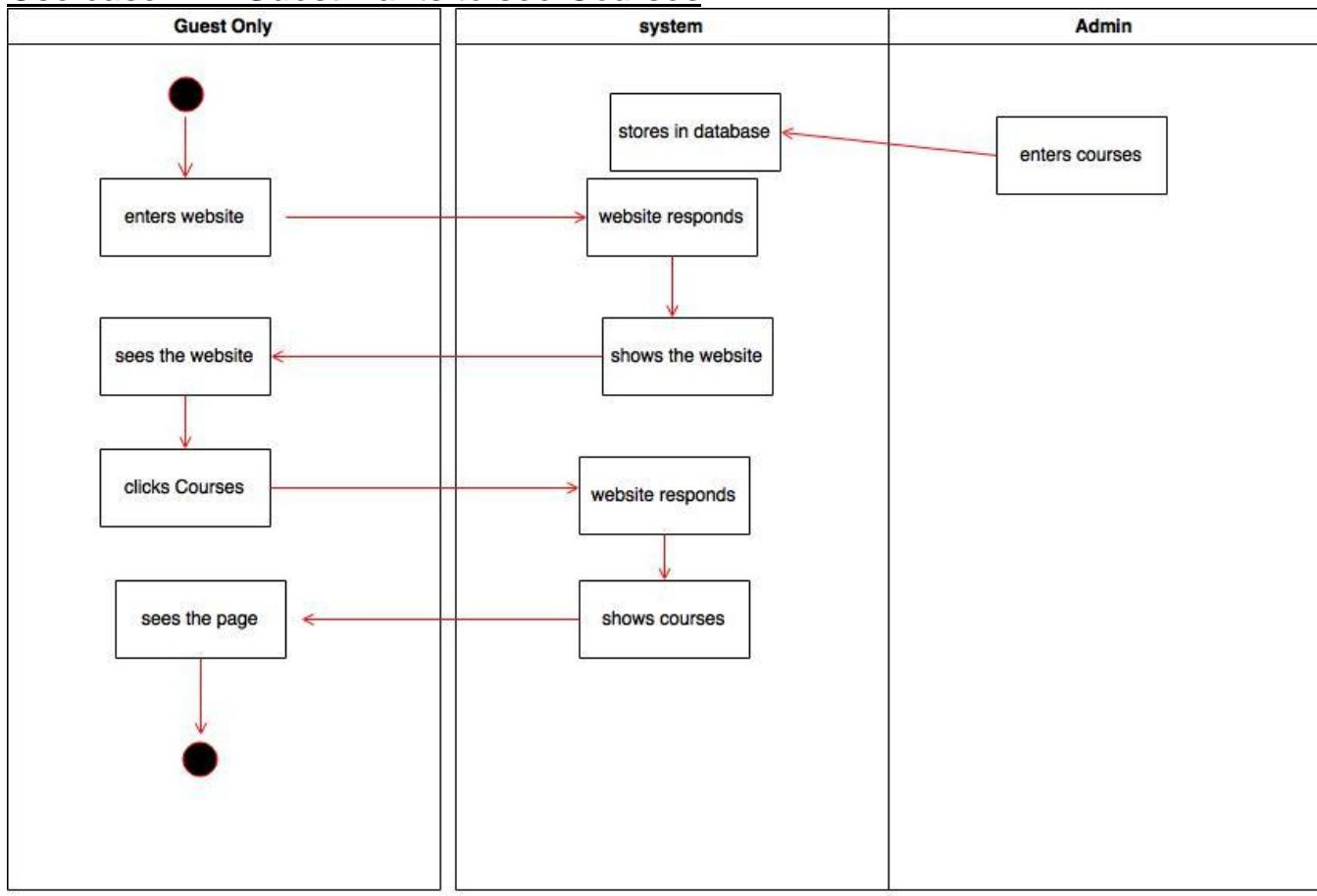
Use case 12 –Guest wants to see Events



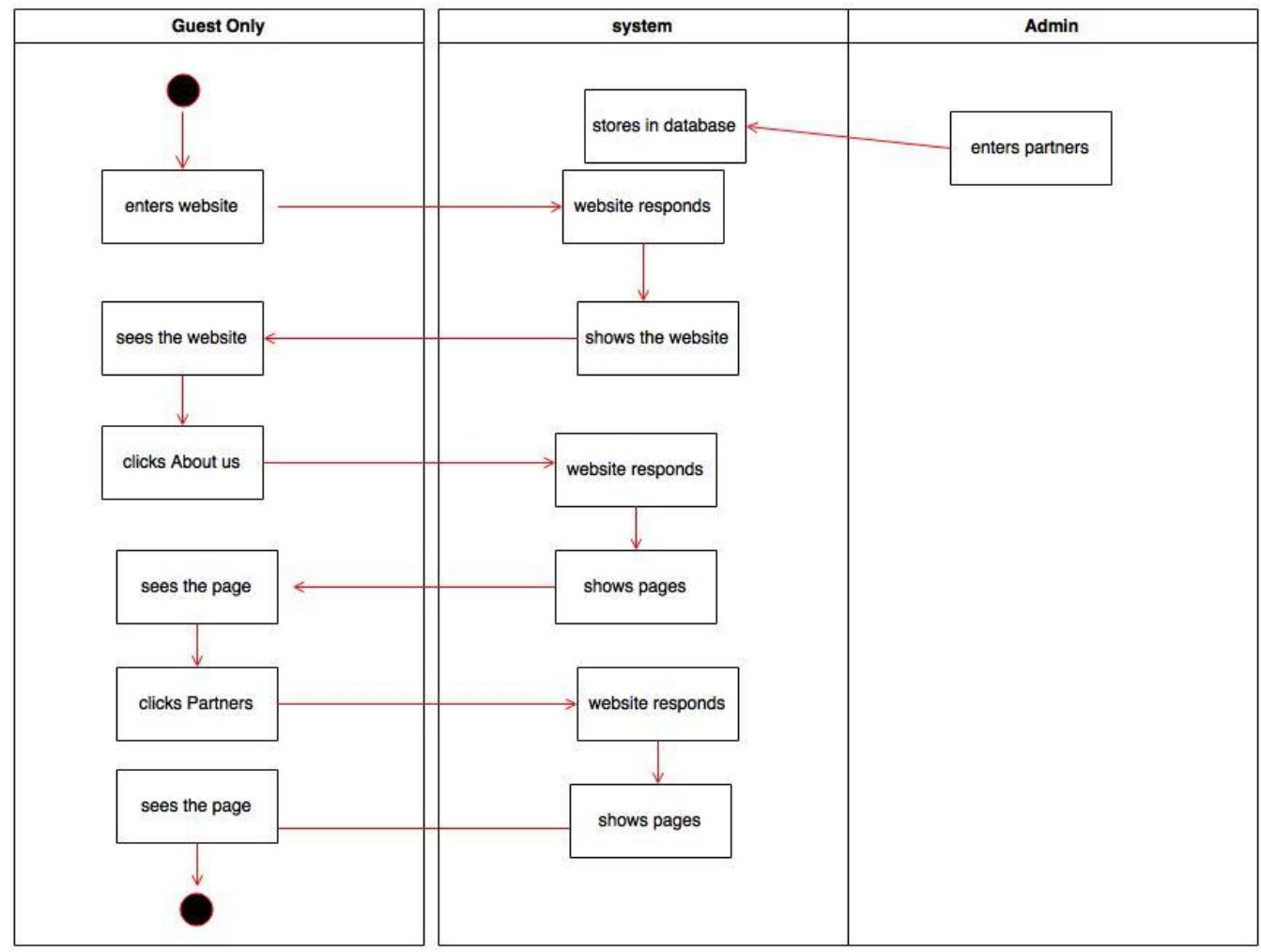
Use case 13 – Guest wants to see Donation Activities



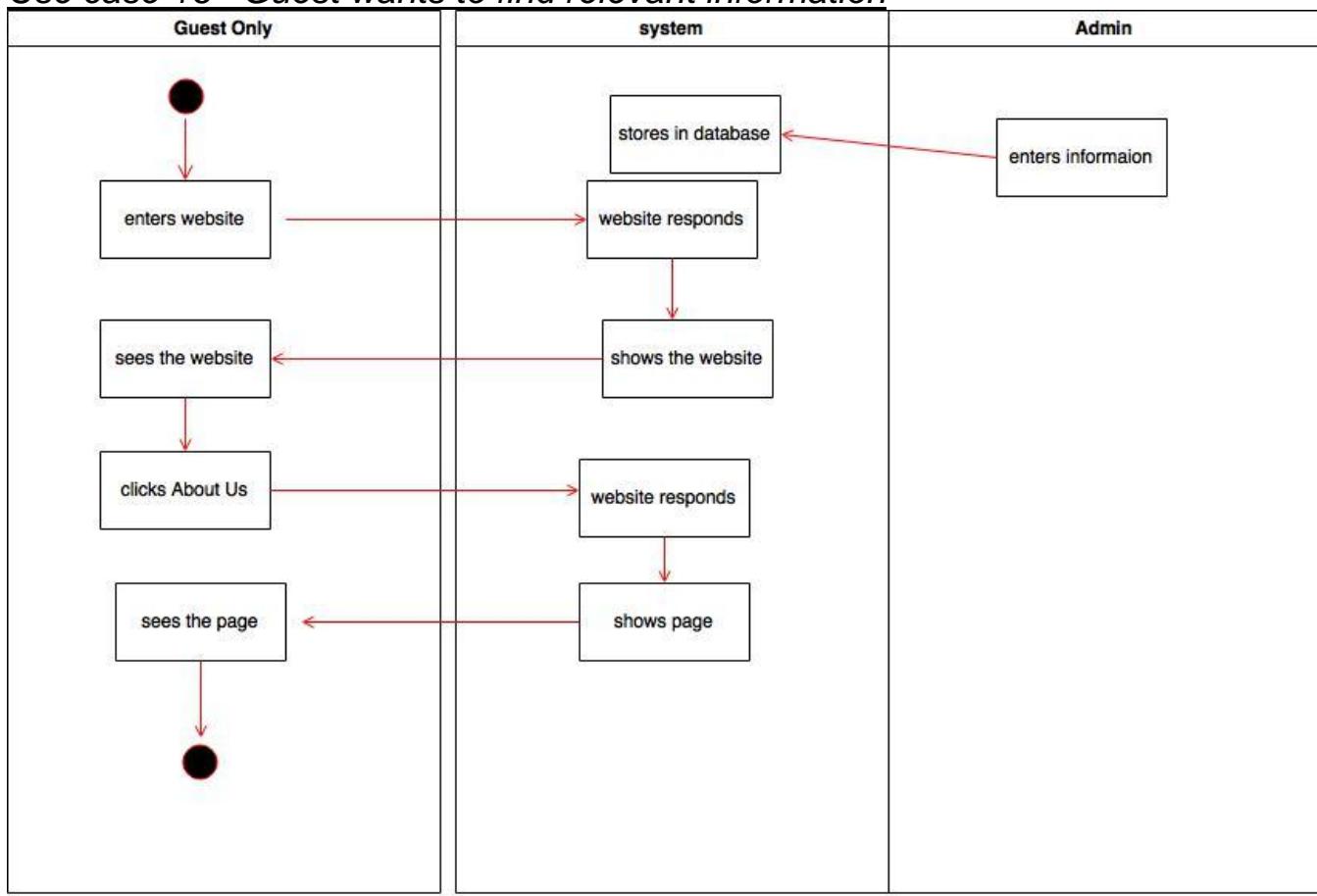
Use case 14 –Guest wants to see Courses



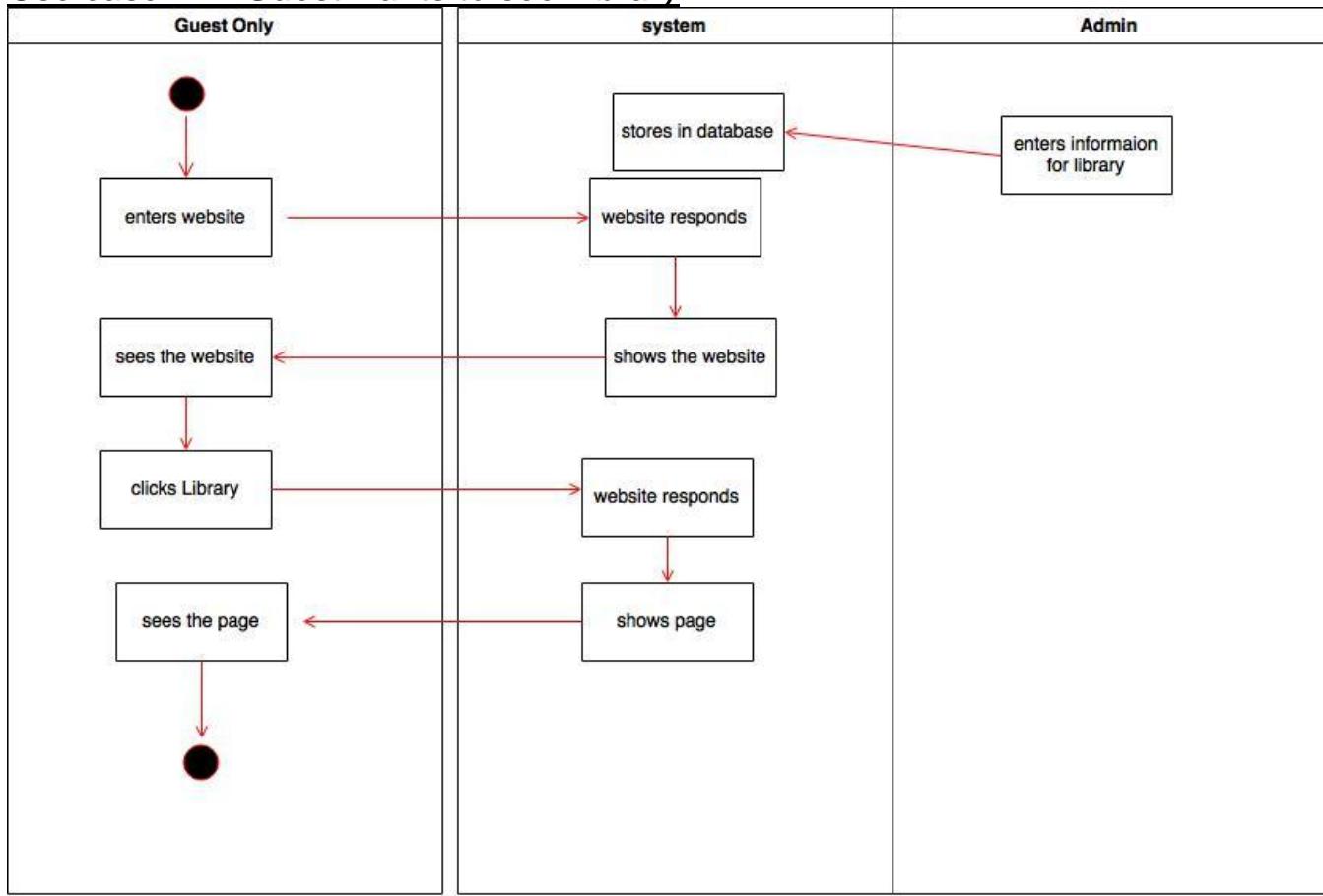
Use case 15 –Guest wants to see Partnership



Use case 16 – Guest wants to find relevant information

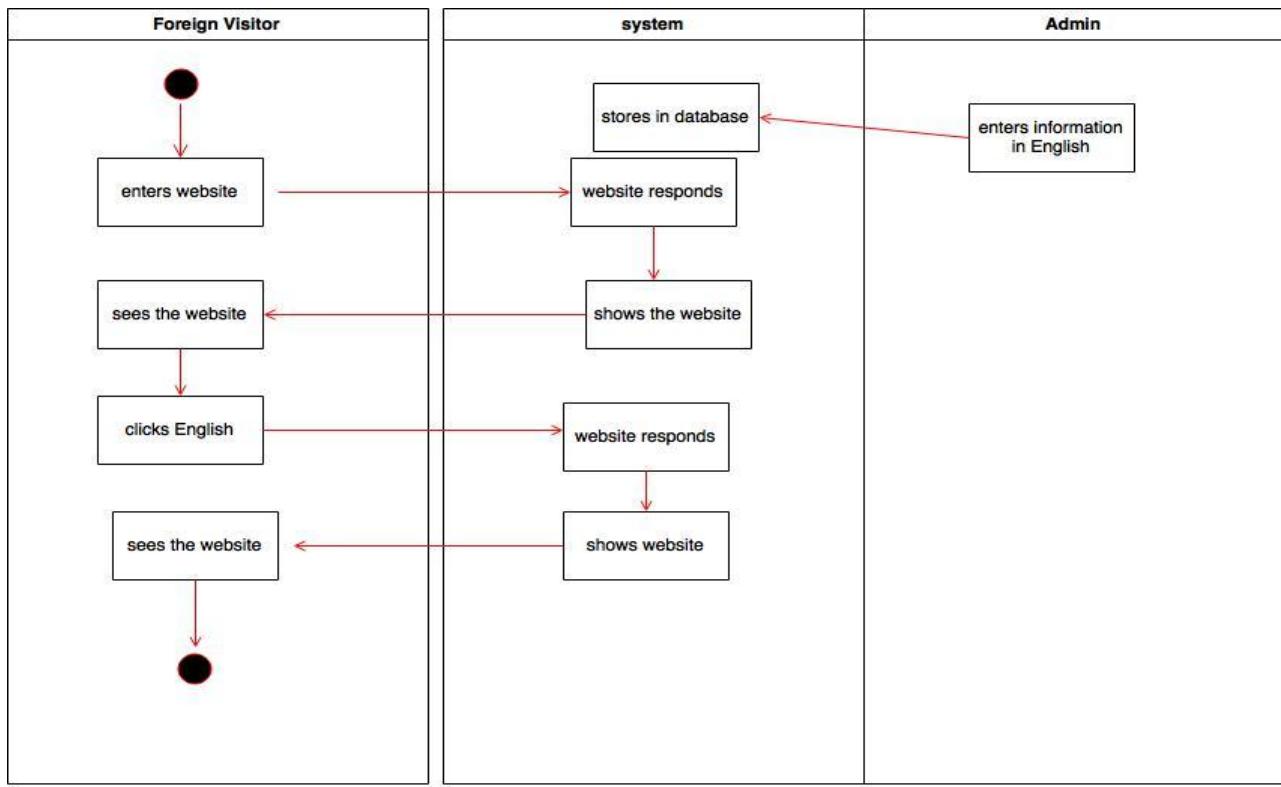


Use case 17 –Guest wants to see Library

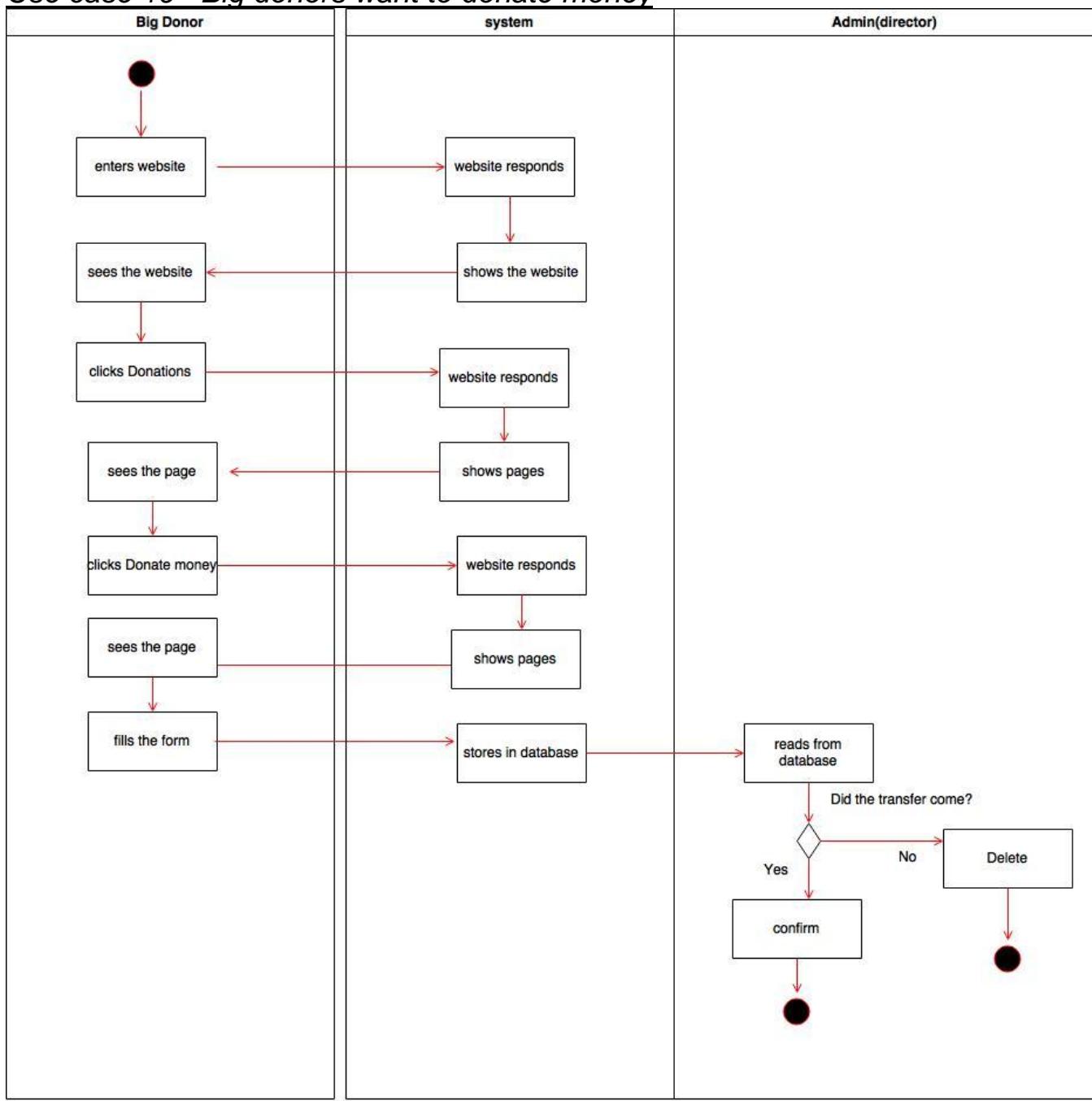


Use case 18 –Foreign Visitor wants Information in English

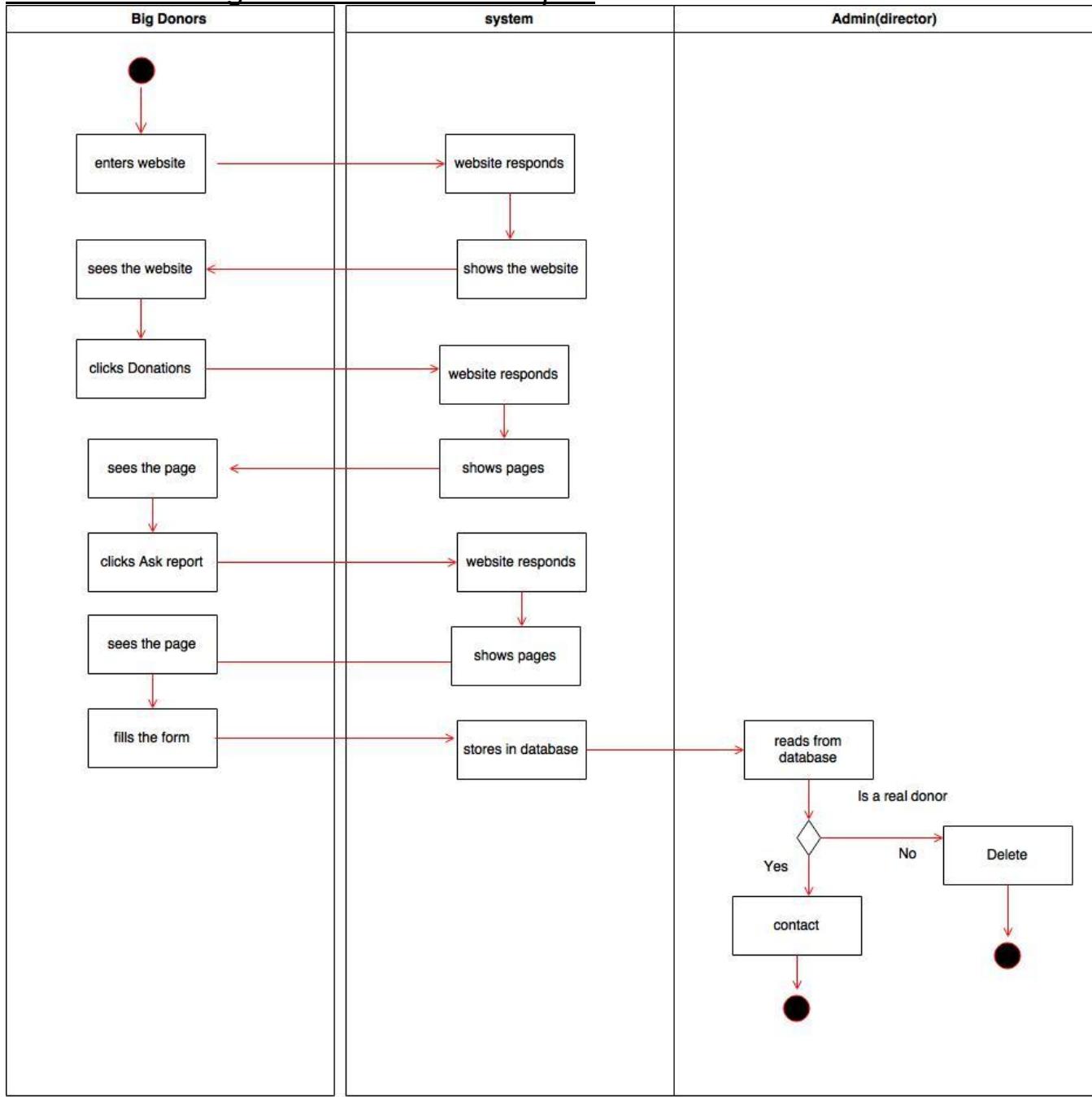
YWCA Requirements Specification



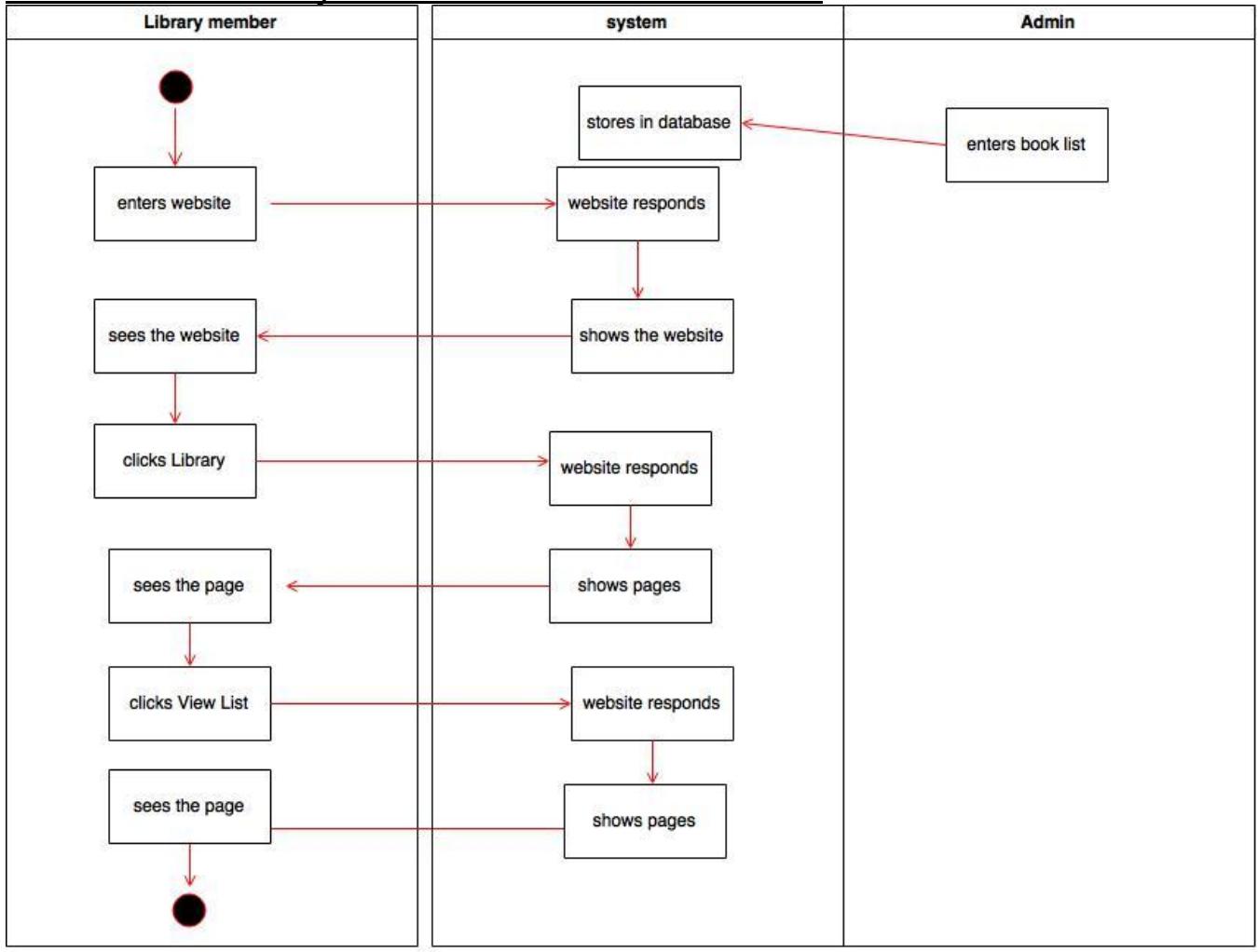
Use case 19 –Big donors want to donate money



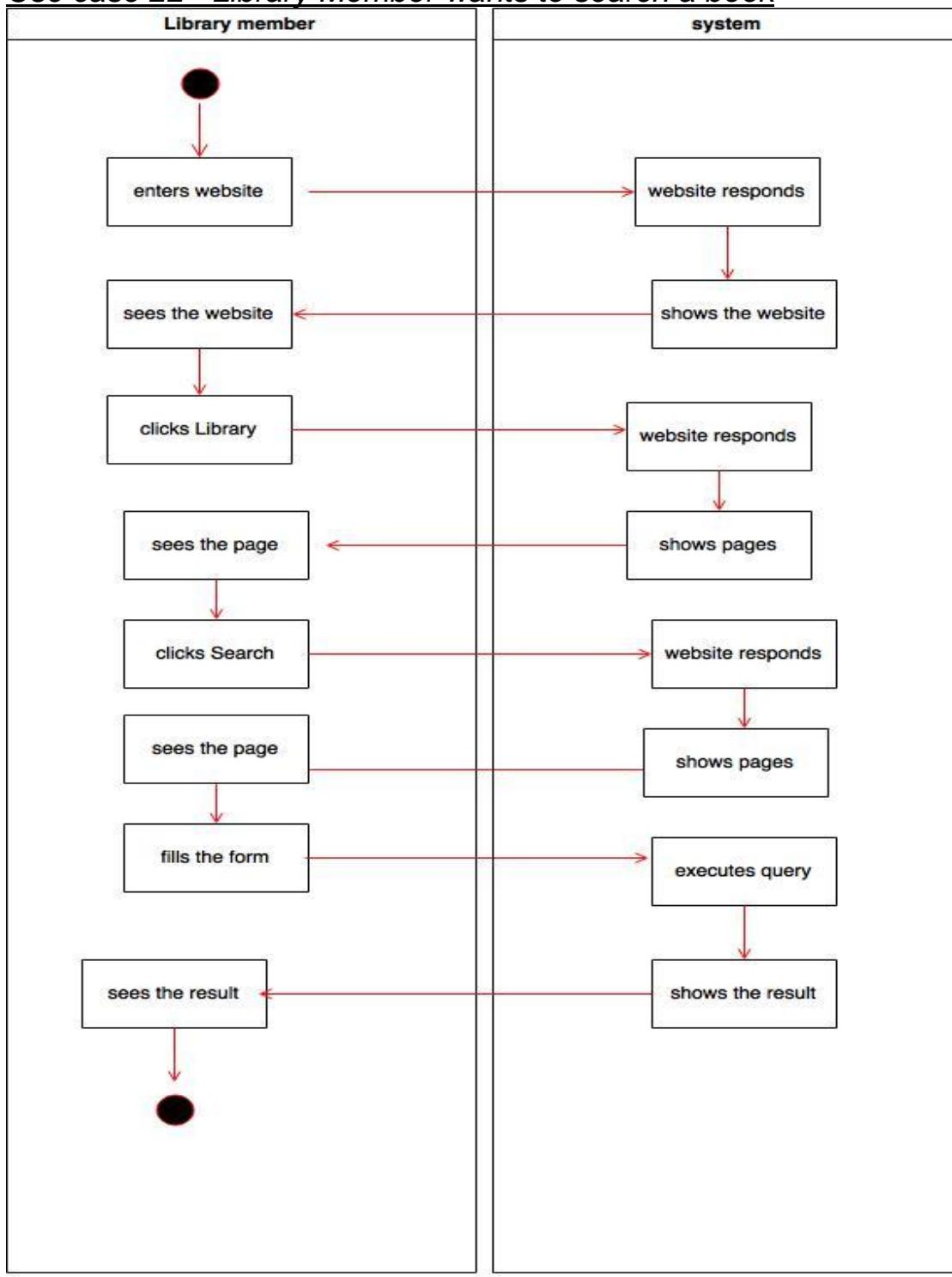
Use case 20 –Big donors want to ask report



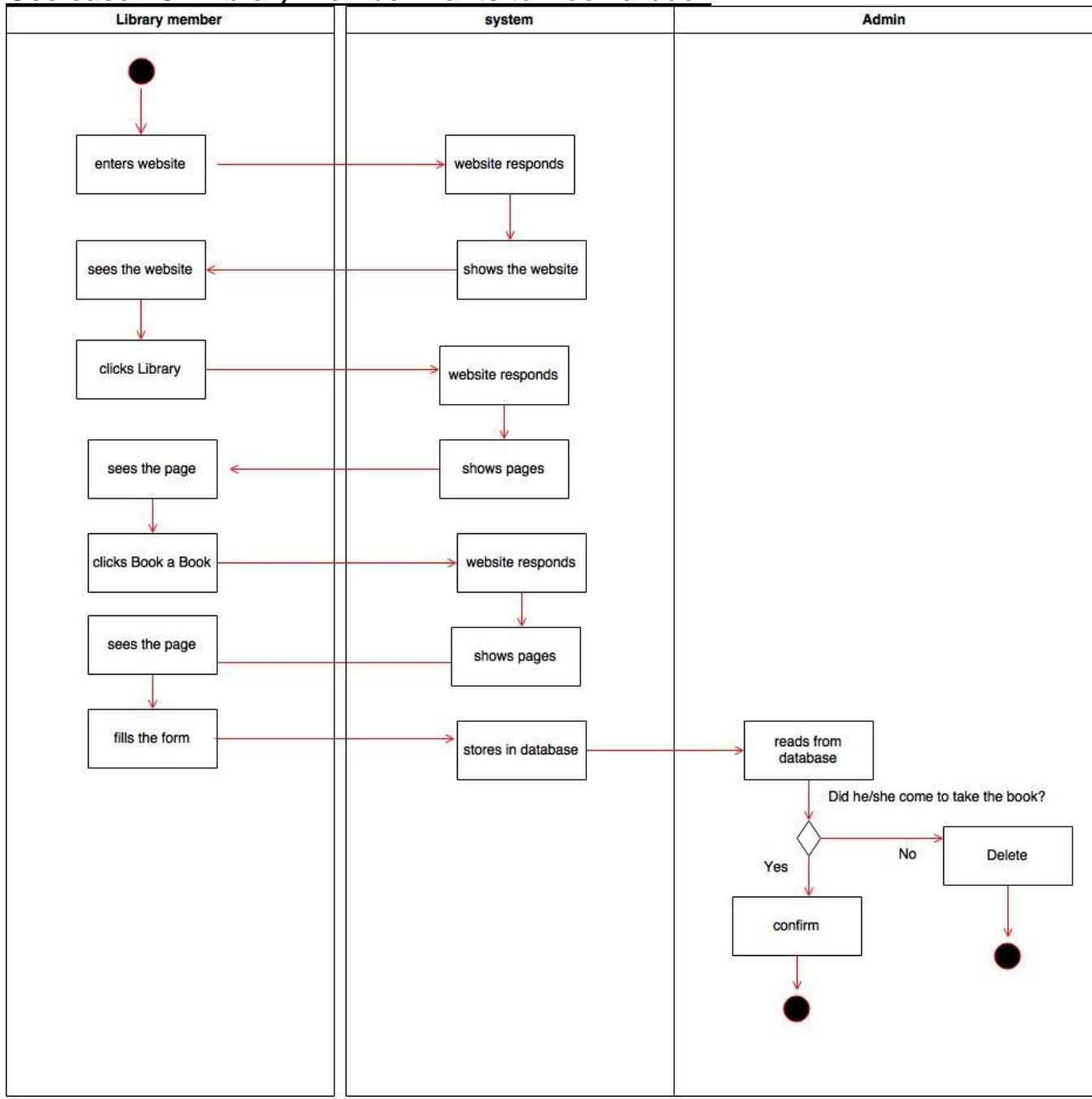
Use case 21 –Library Member wants to view Booklist



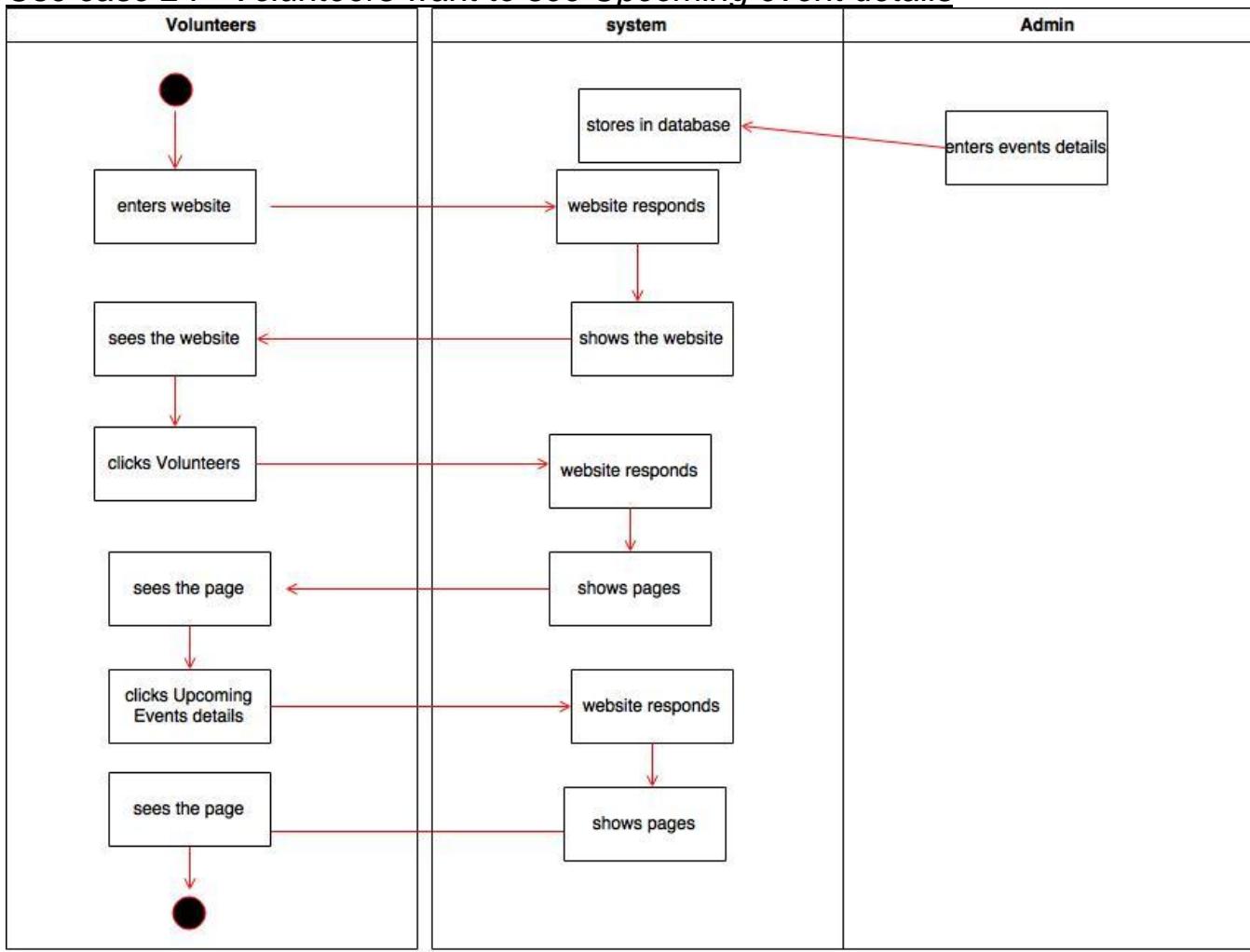
Use case 22 –Library Member wants to search a book



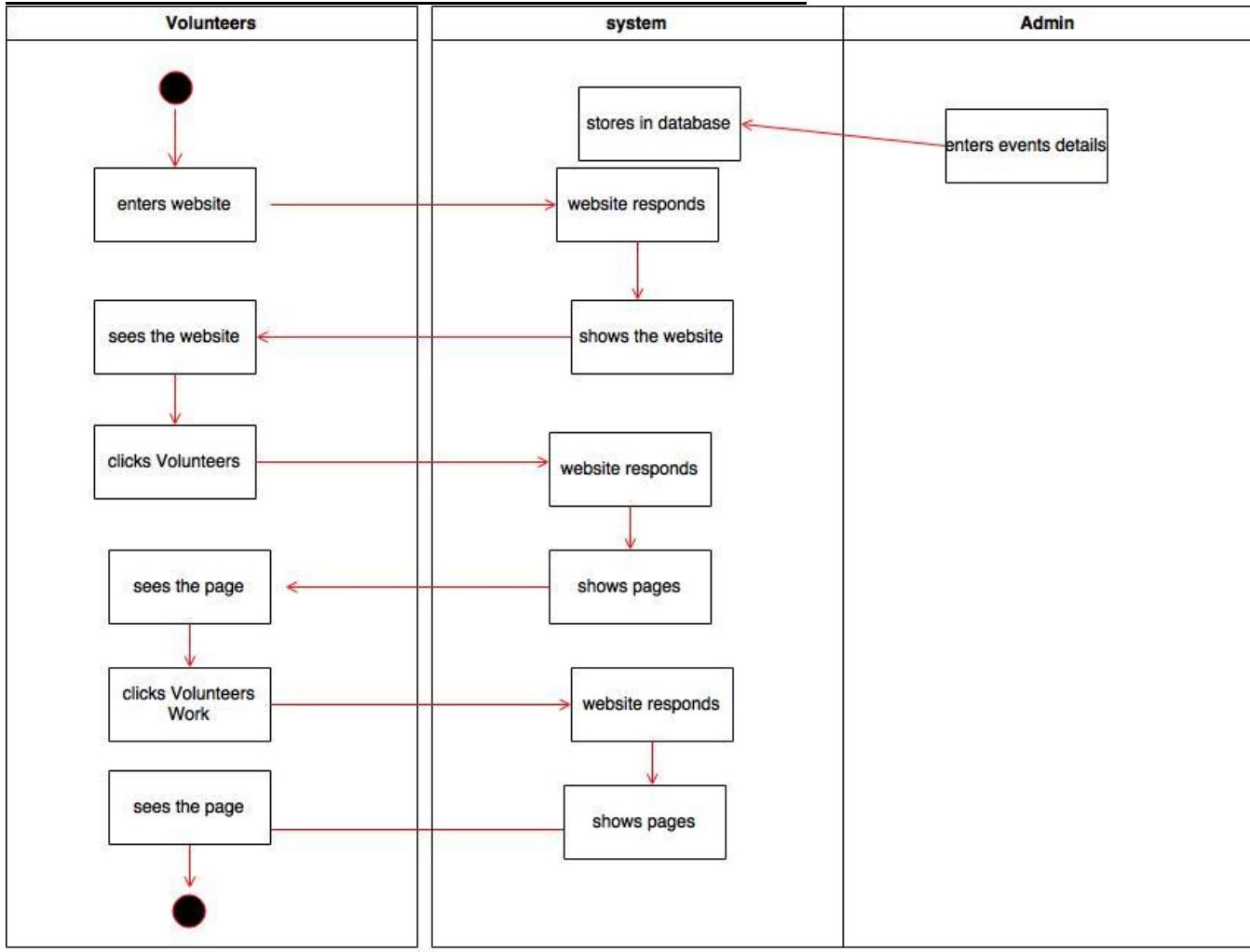
Use case 23 – Library Member wants to Book a book



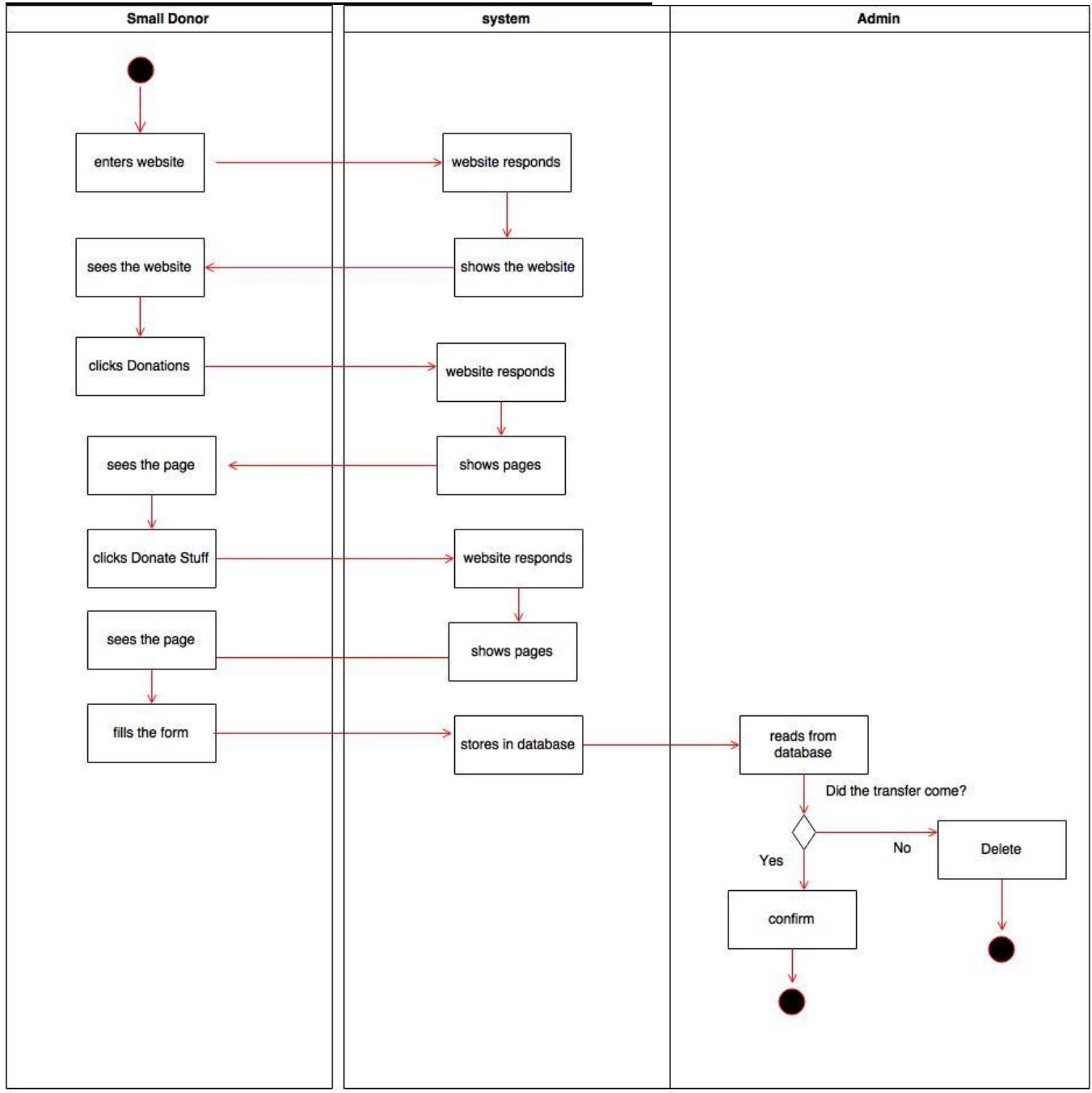
Use case 24 – Volunteers want to see Upcoming event details



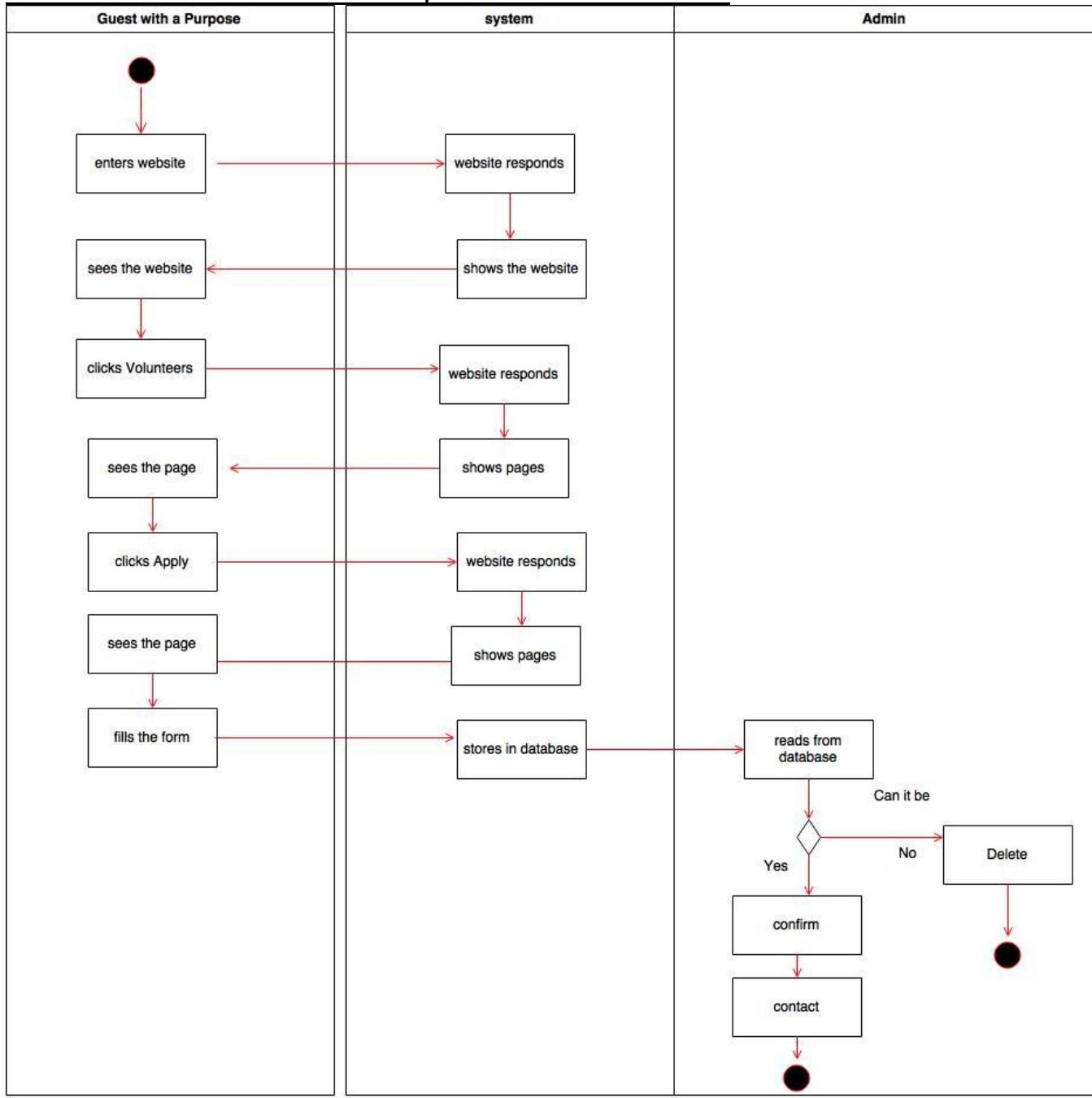
Use case 25 – Volunteers want to see what can it do



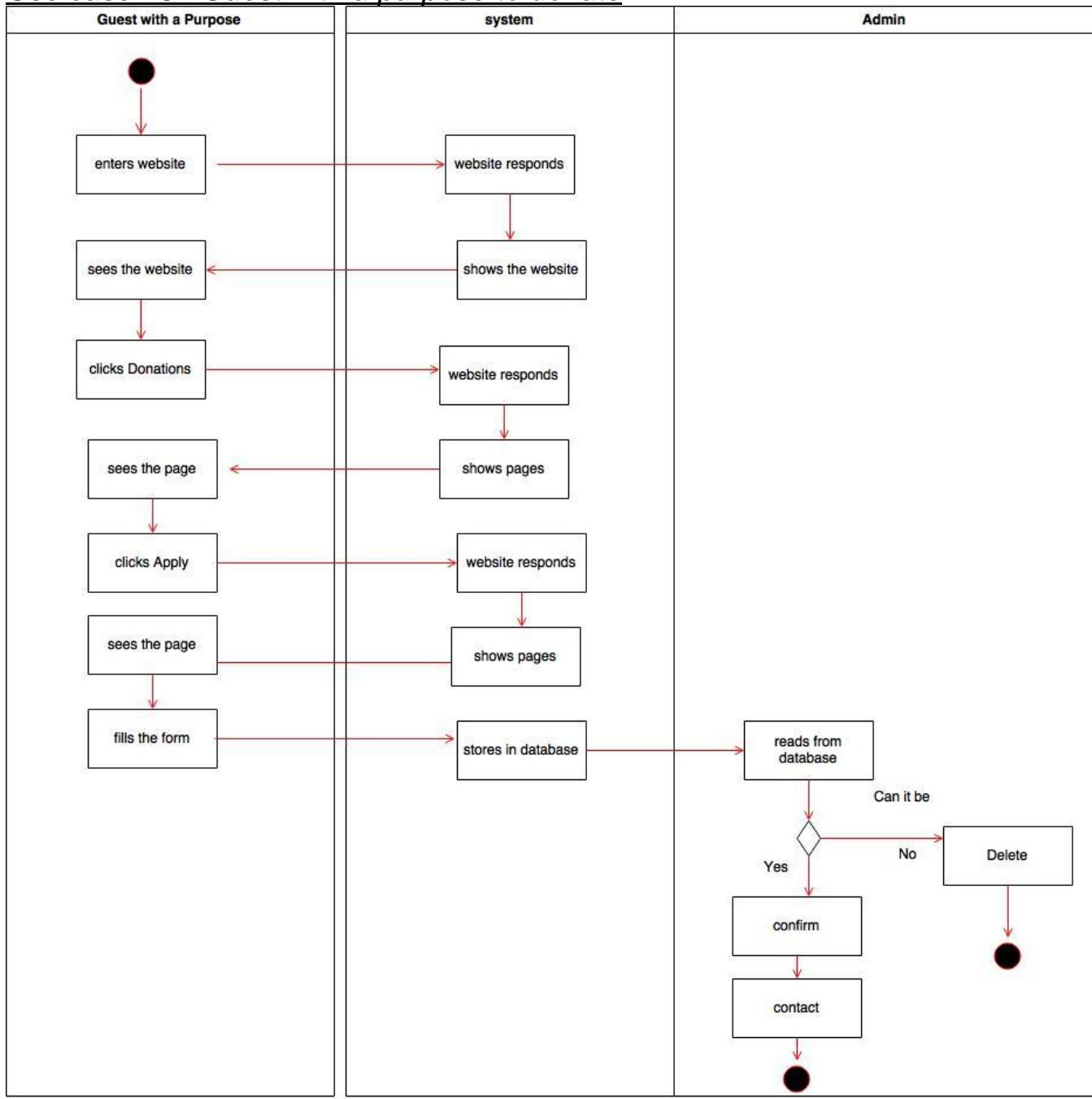
Use case 26 – Small Donors want to donate stuff



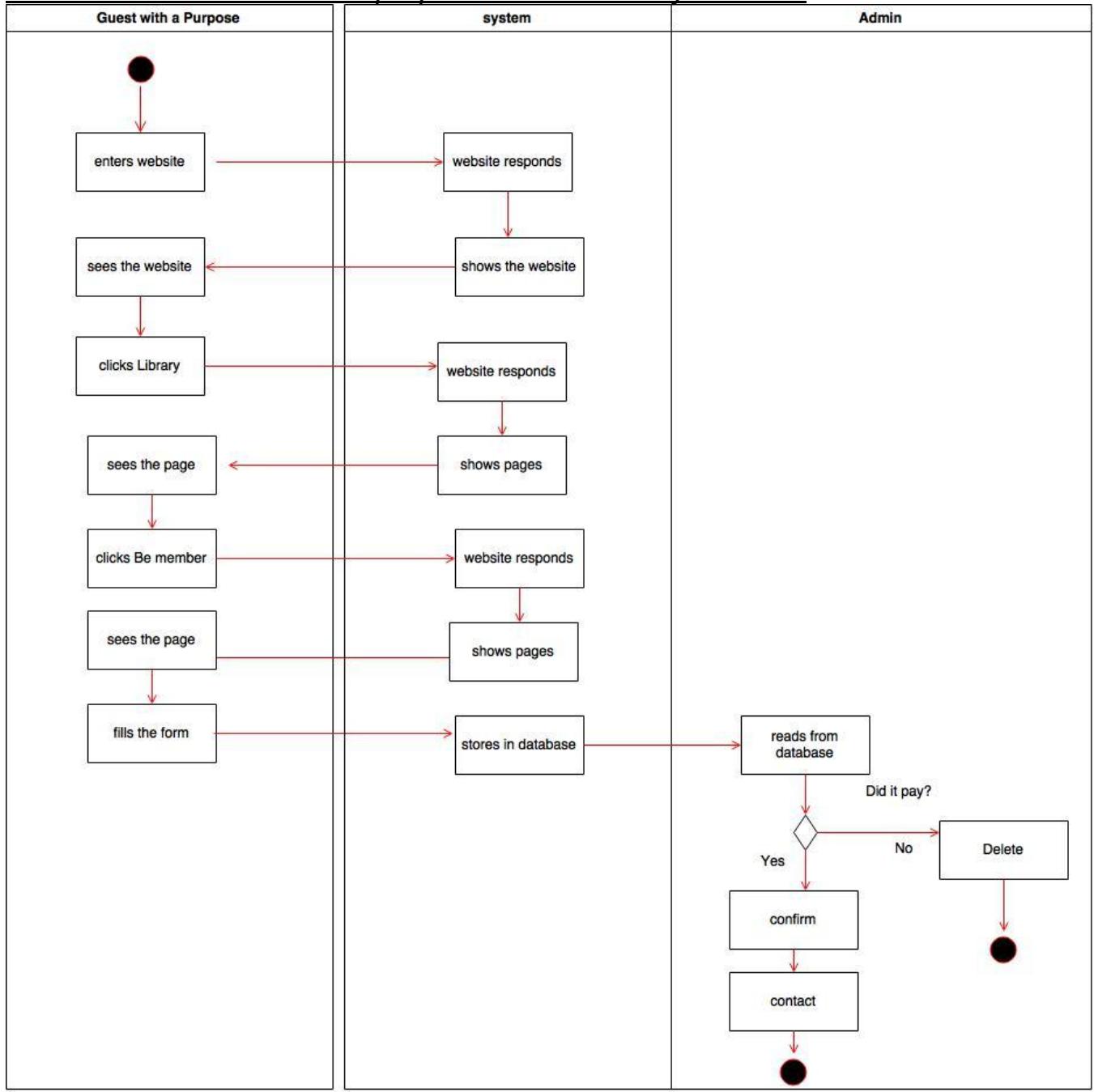
Use case 27 – Guest with a Purpose to be a Volunteer



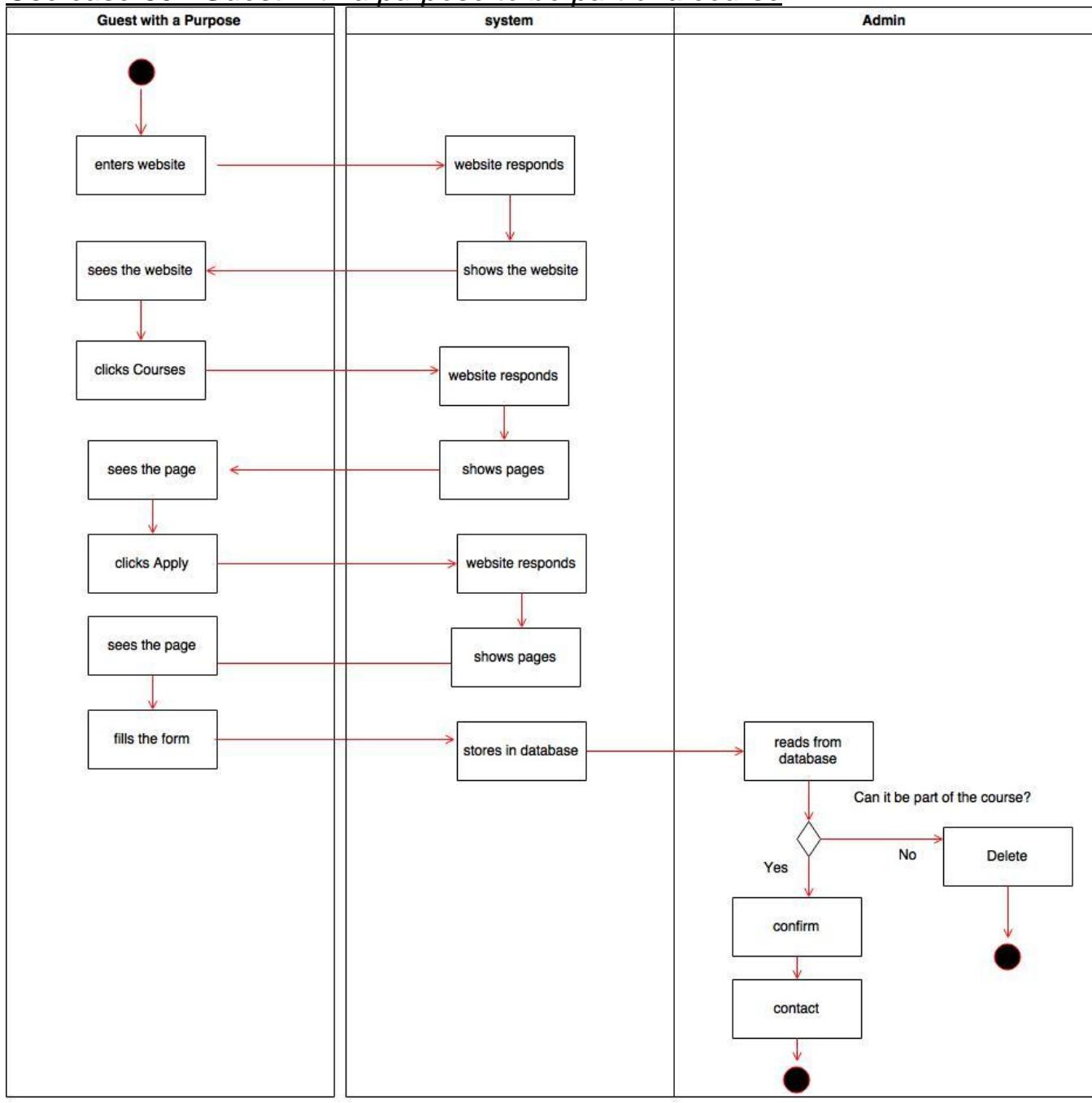
Use case 28 – Guest with a purpose to donate



Use case 29 –Guest with a purpose to be a Library member



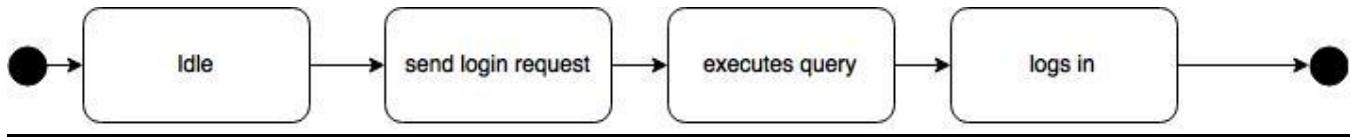
Use case 30 –Guest with a purpose to be part of a course



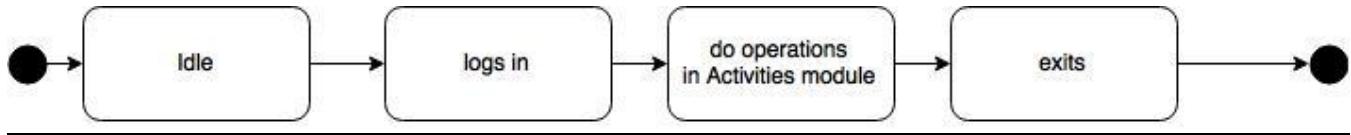
State diagrams

Note: Diagrams are only for the state of the system

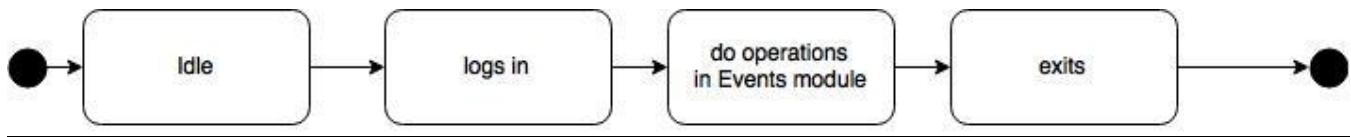
Use case 01 –Admin logs in



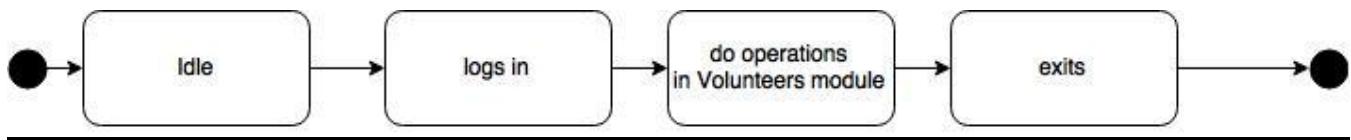
Use case 02 –Admin manages activities



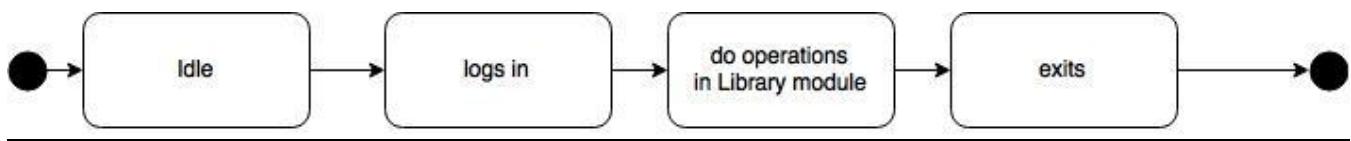
Use case 03 –Admin manages events



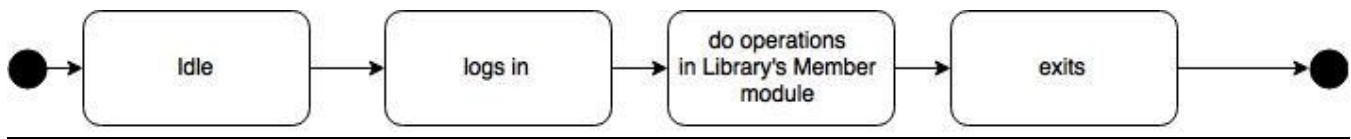
Use case 04 –Admin manages Volunteers



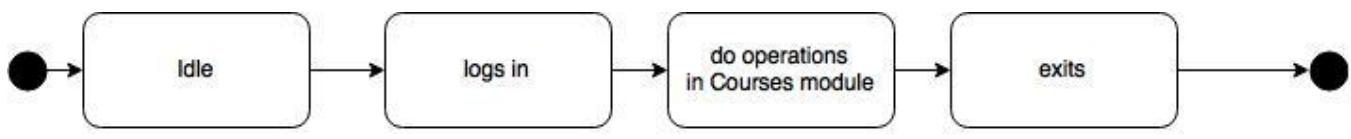
Use case 05 –Admin manages Library



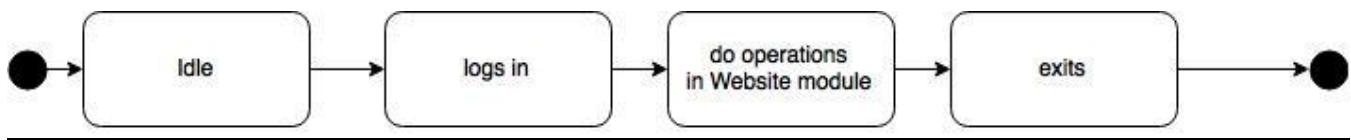
Use case 06 –Admin manages Library Members



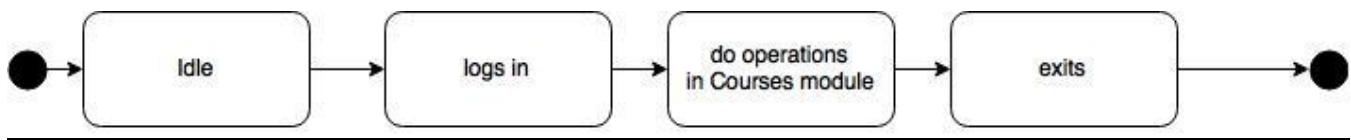
Use case 07 –Admin manages Stuff Donations



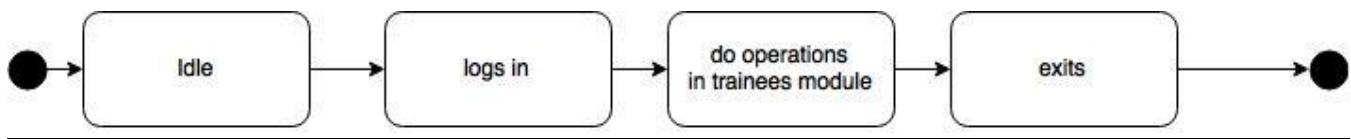
Use case 08 –Admin manages website



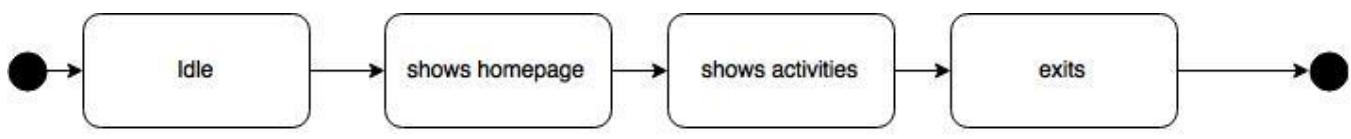
Use case 09 –Admin manages Courses



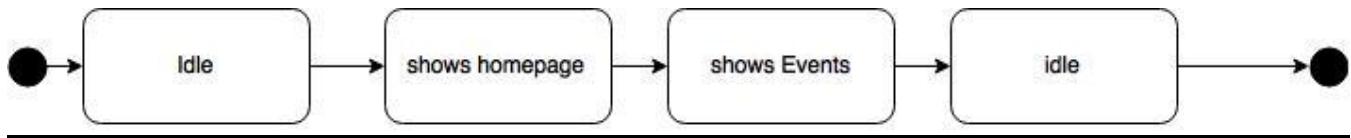
Use case 10 –Admin manages Trainees



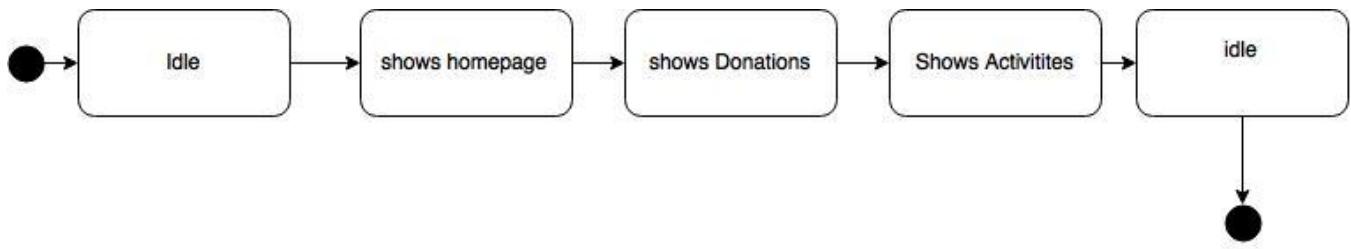
Use case 11 –Guest wants to see Activities



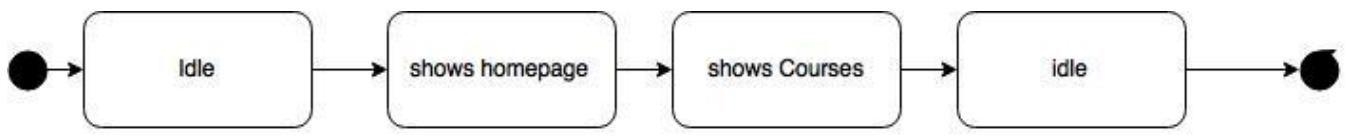
Use case 12 –Guest wants to see Events



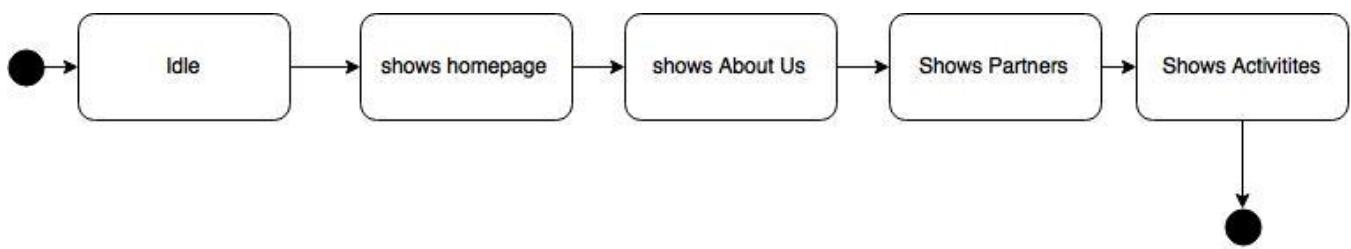
Use case 13 –Guest wants to see Donation Activities



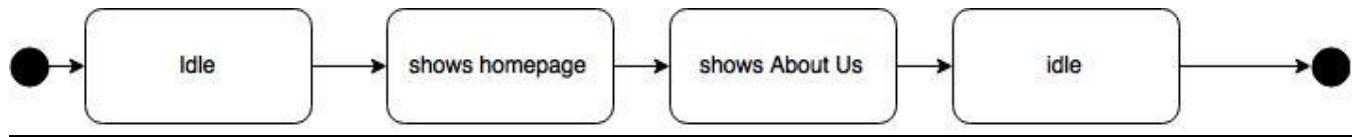
Use case 14 –Guest wants to see Courses



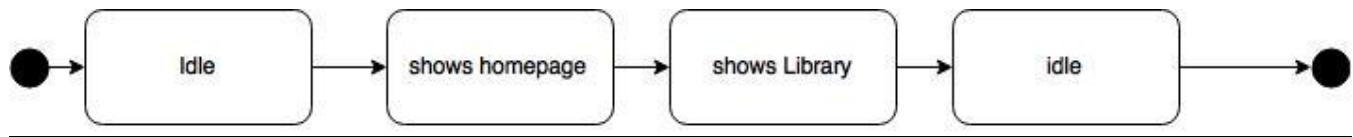
Use case 15 –Guest wants to see Partnership



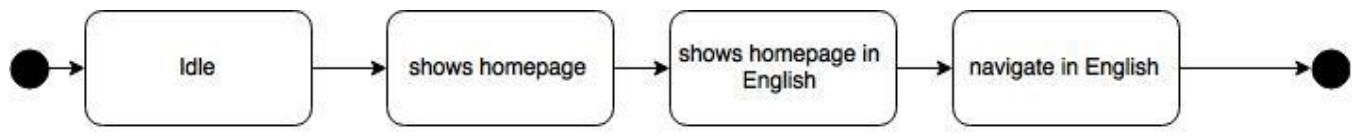
Use case 16 –Guest wants to find relevant information



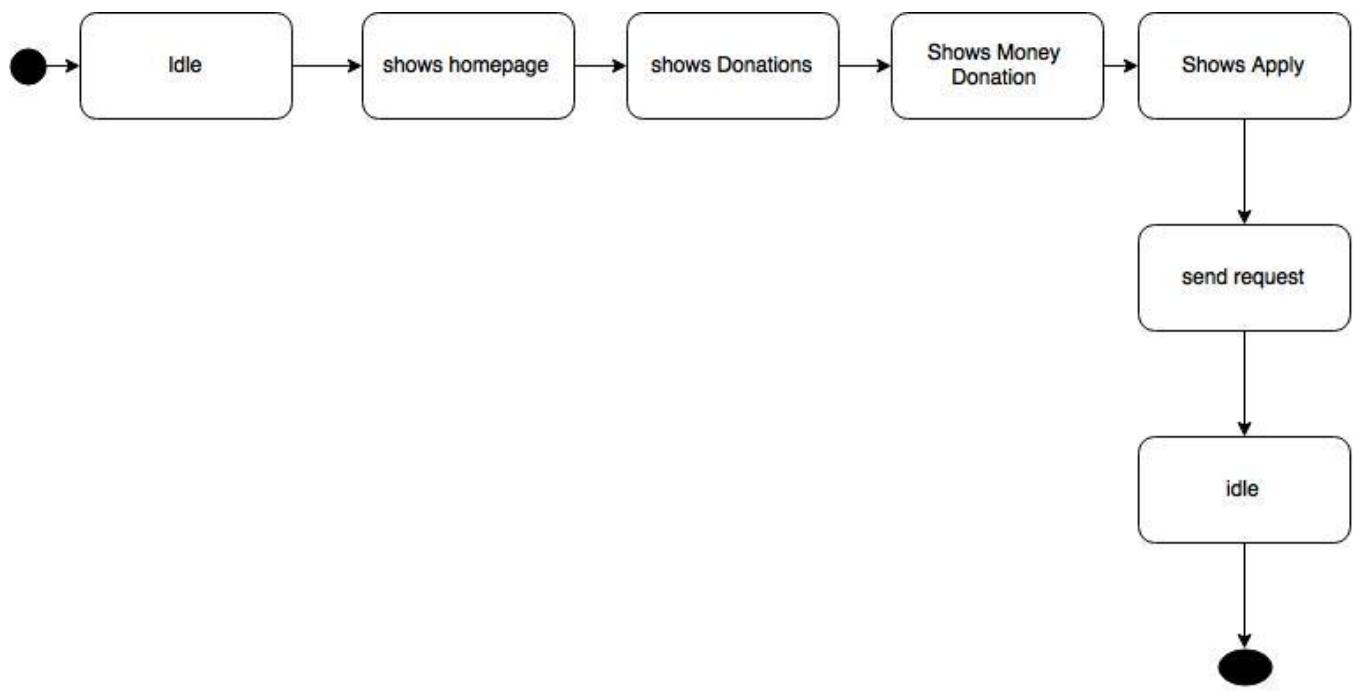
Use case 17 –Guest wants to see Library



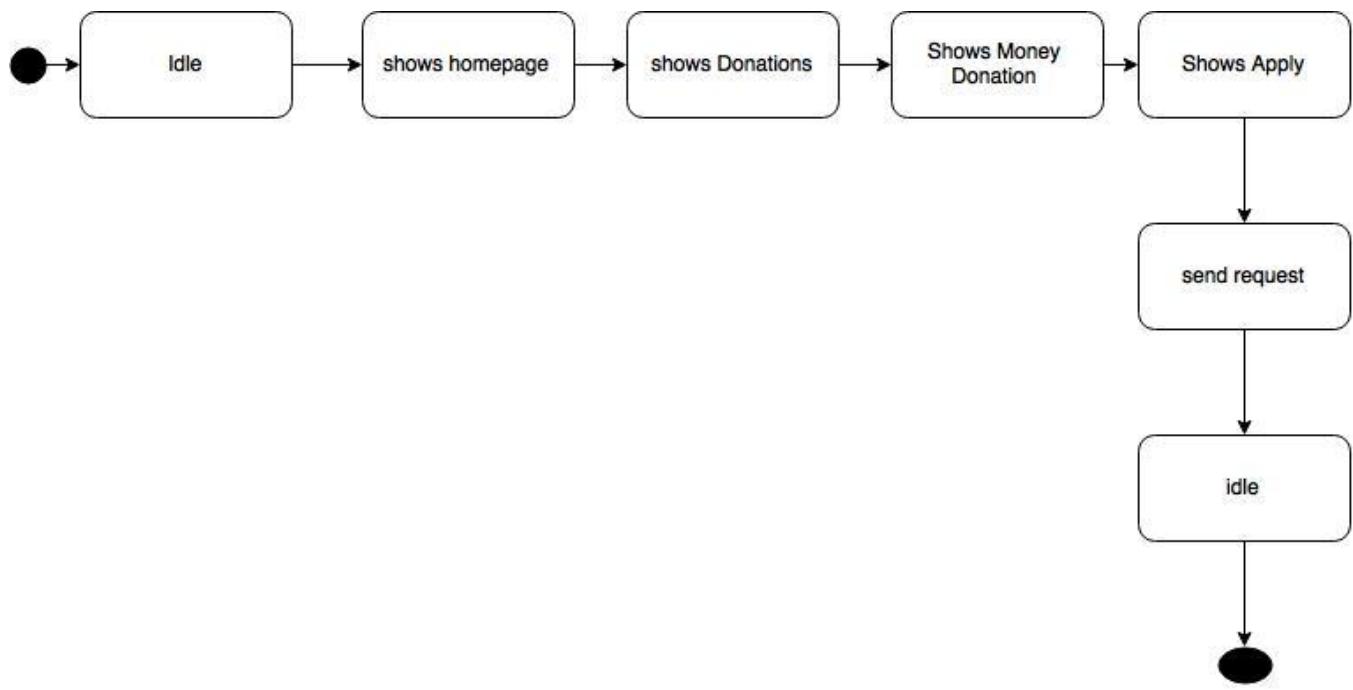
Use case 18 –Foreign Visitor wants Information in English



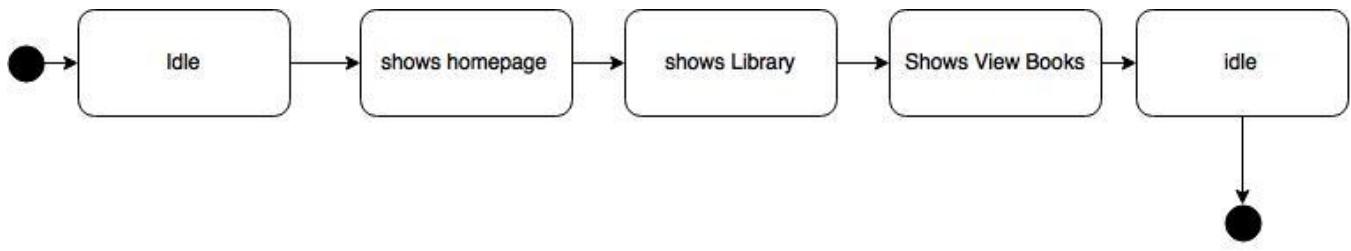
Use case 19 –Big donors want to donate money



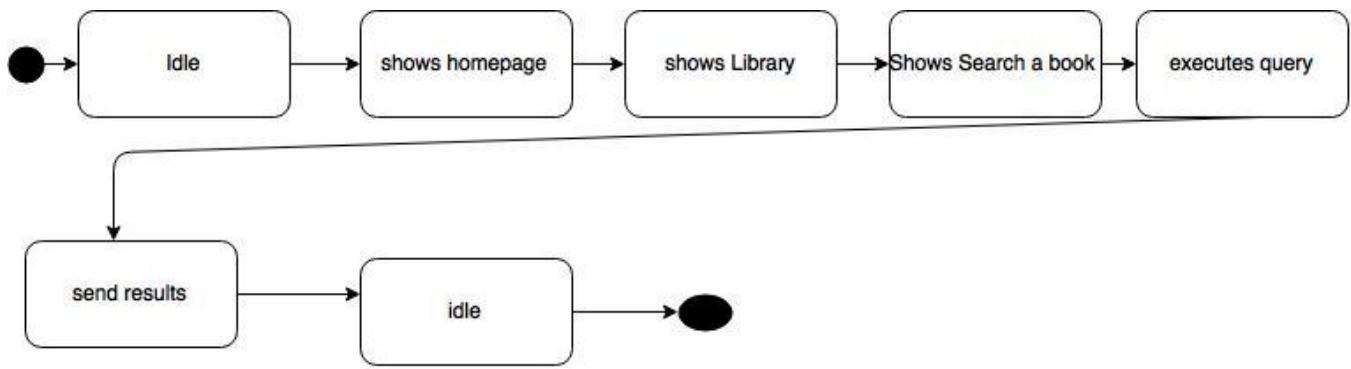
Use case 20 –Big donors want to ask report



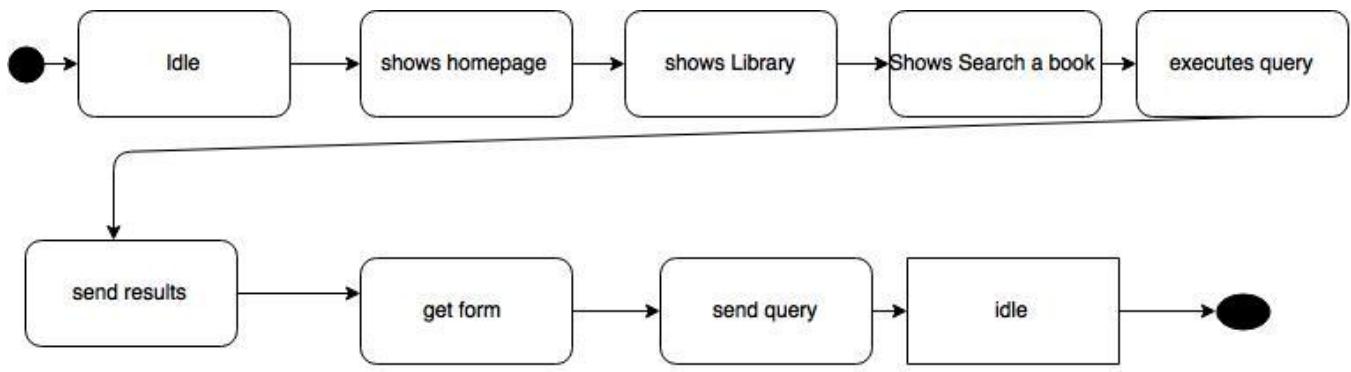
Use case 21 –Library Member wants to view Booklist



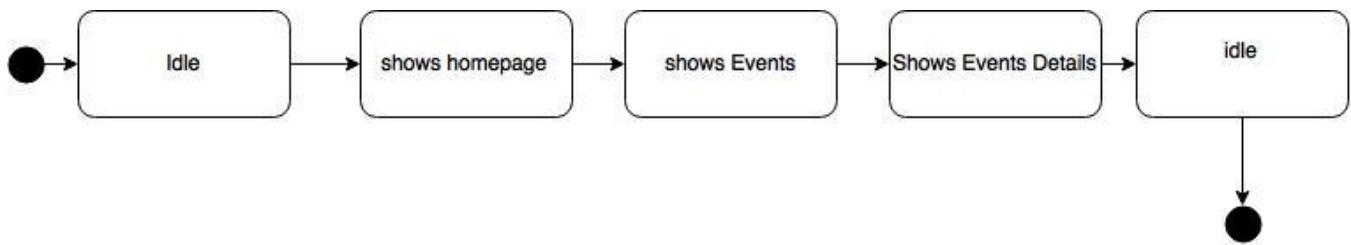
Use case 22 –Library Member wants to search a book



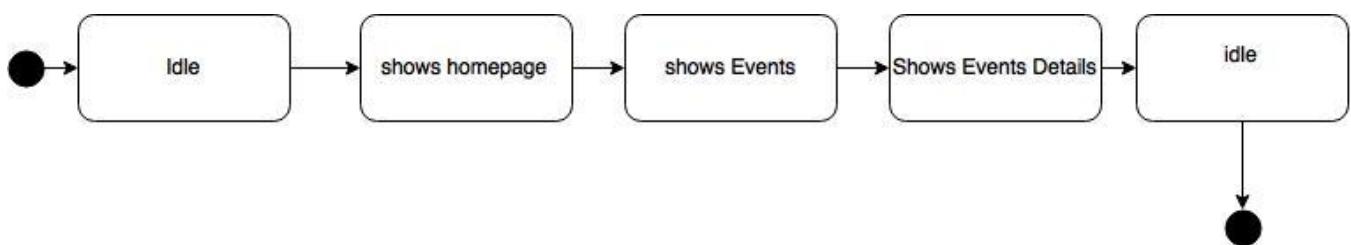
Use case 23 –Library Member wants to Book a book



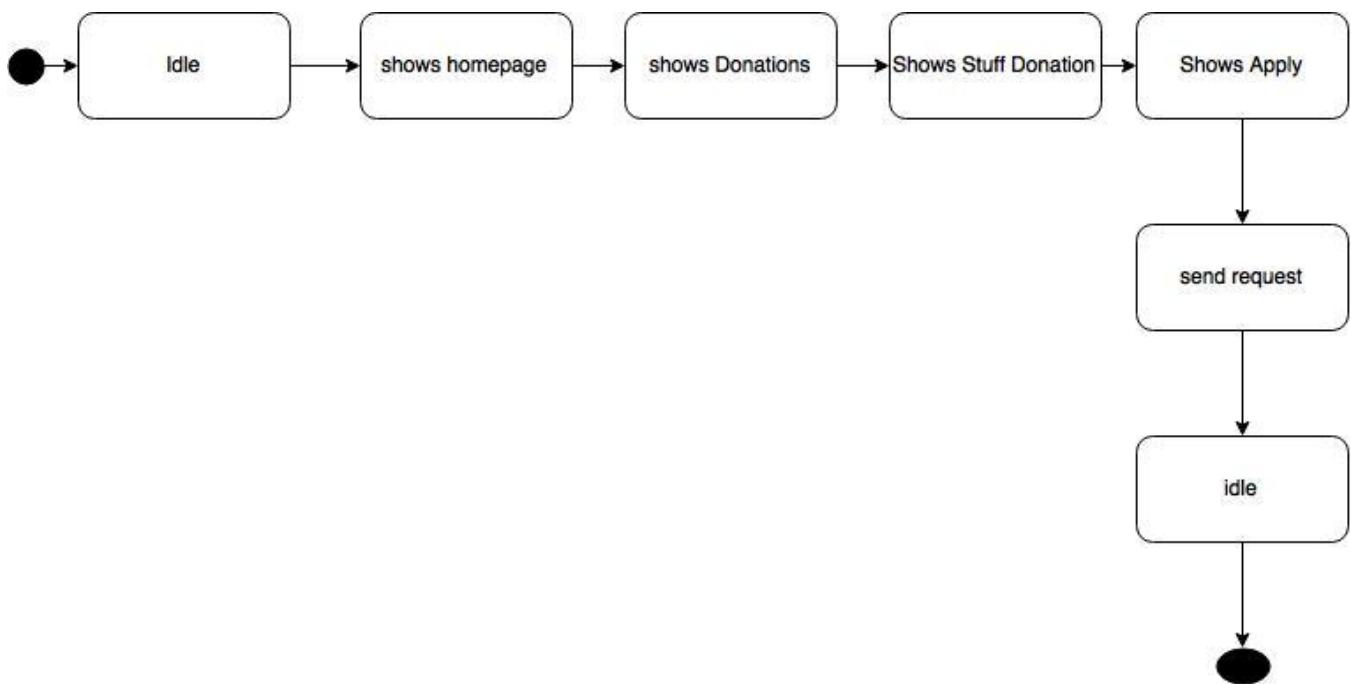
Use case 24 – Volunteers want to see Upcoming event details



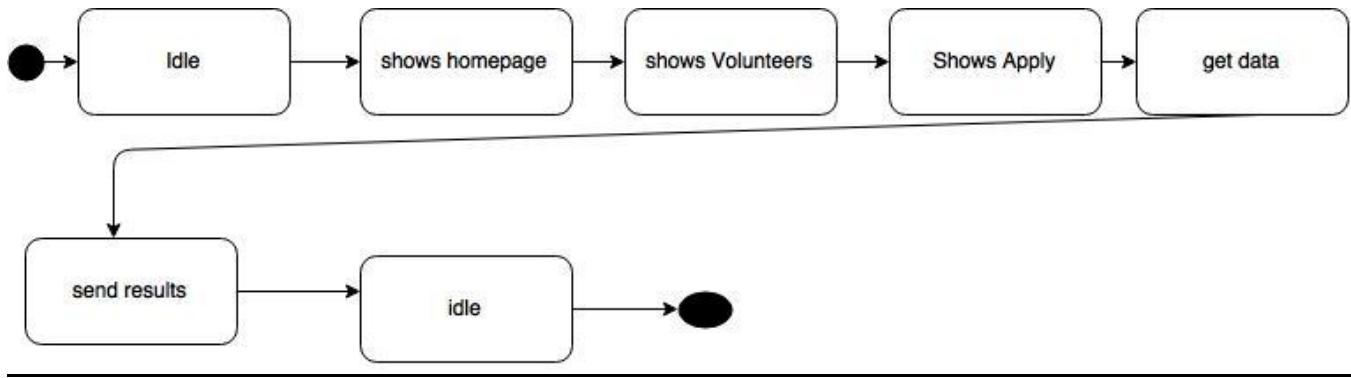
Use case 25 – Volunteers want to see what can it do



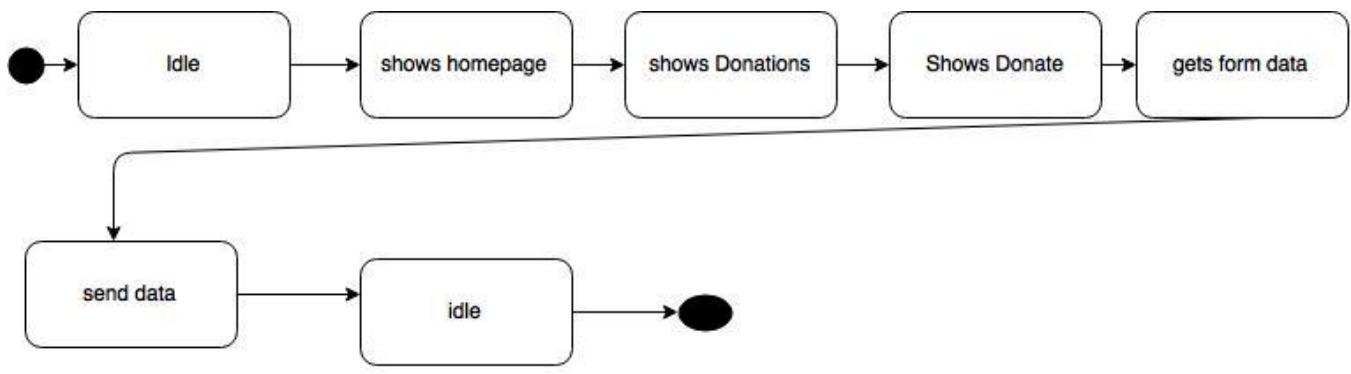
Use case 26 – Small Donors want to donate stuff



Use case 27 –Guest with a Purpose to be a Volunteer

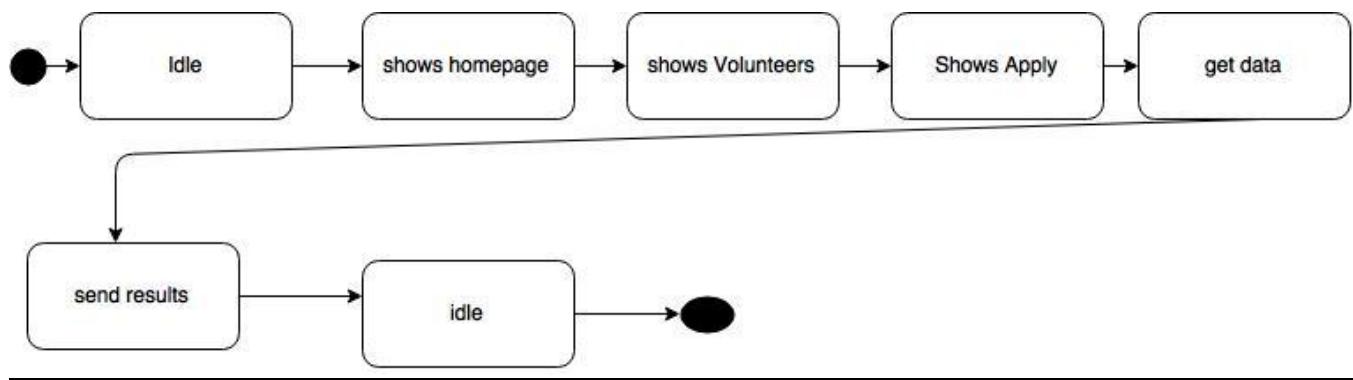


Use case 28 –Guest with a purpose to donate

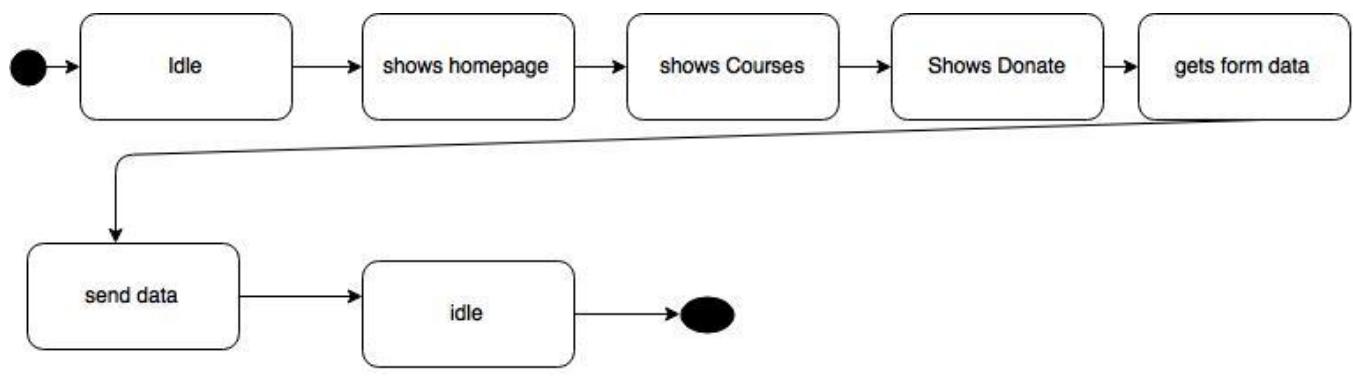


YWCA Requirements Specification

Use case 29 –Guest with a purpose to be a Library member

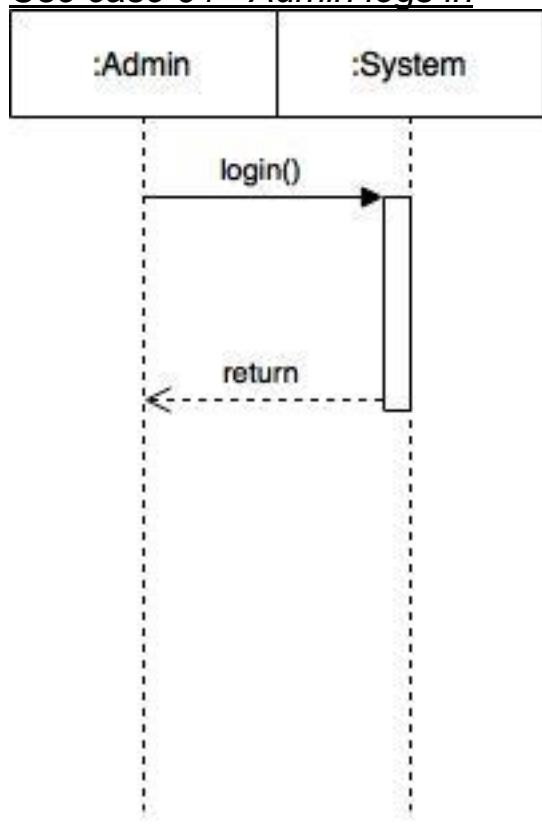


Use case 30 –Guest with a purpose to be part of a course

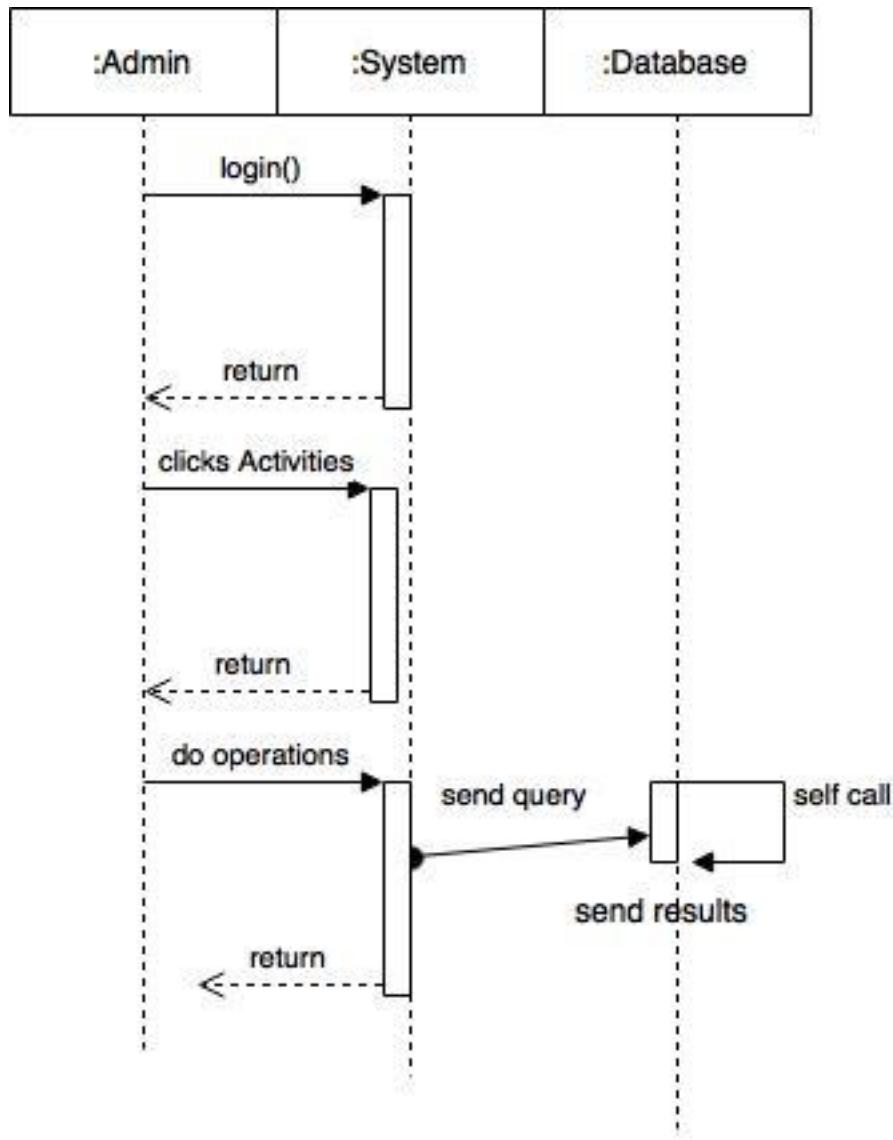


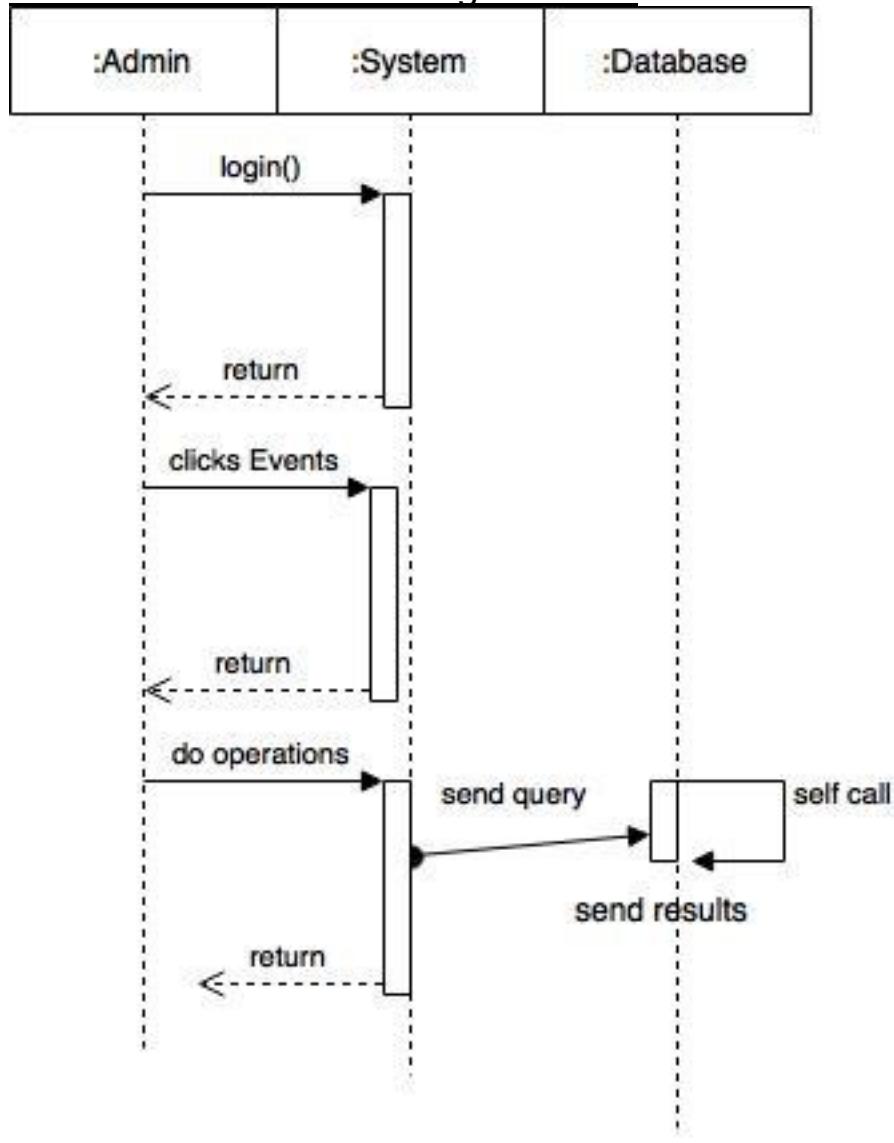
Sequence Diagrams

Use case 01 –Admin logs in

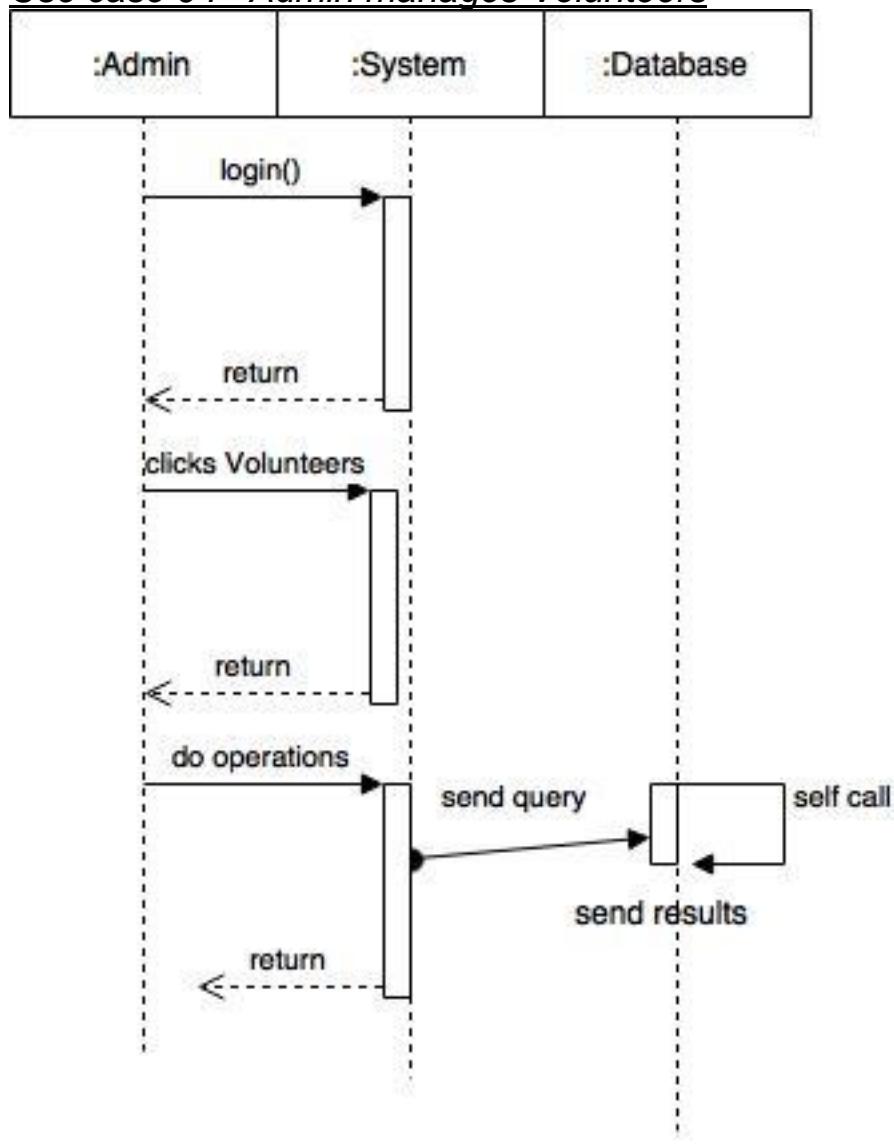


Use case 02 –Admin manages activities

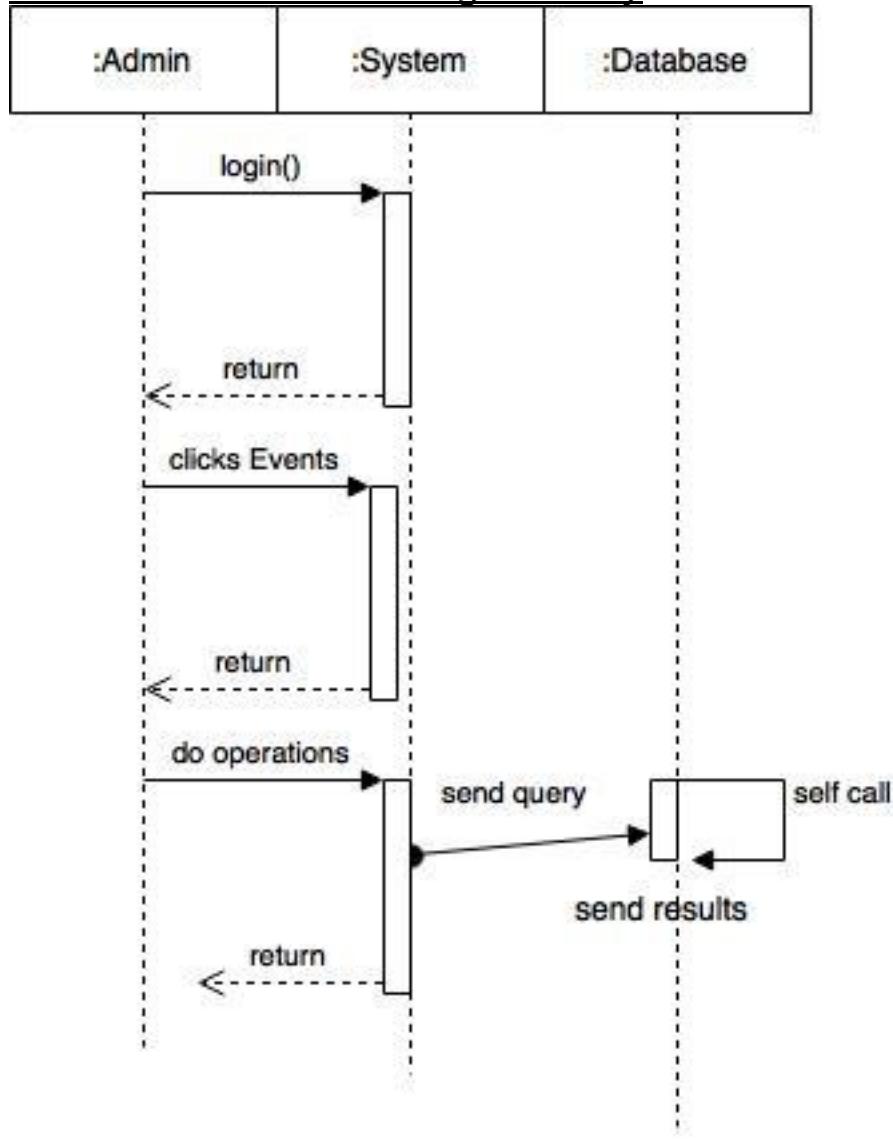


Use case 03 –Admin manages events

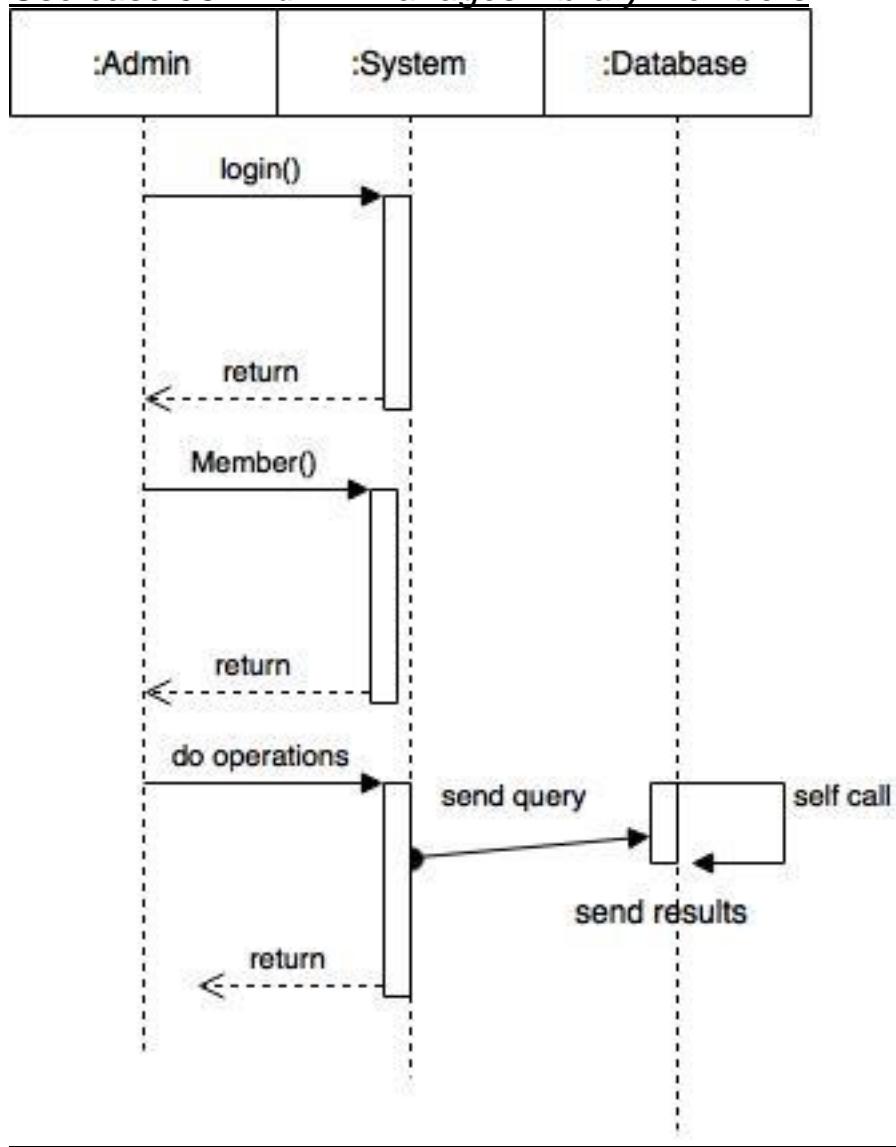
Use case 04 –Admin manages Volunteers



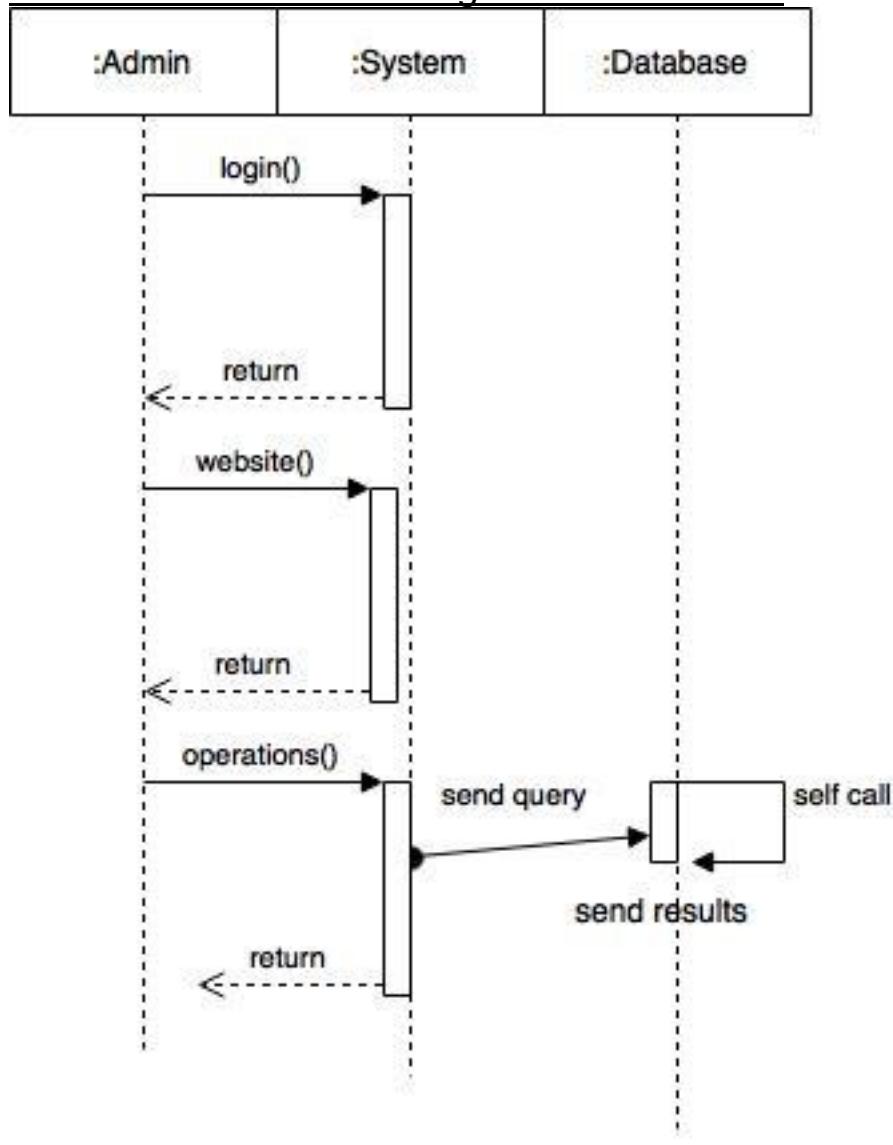
Use case 05 –Admin manages Library



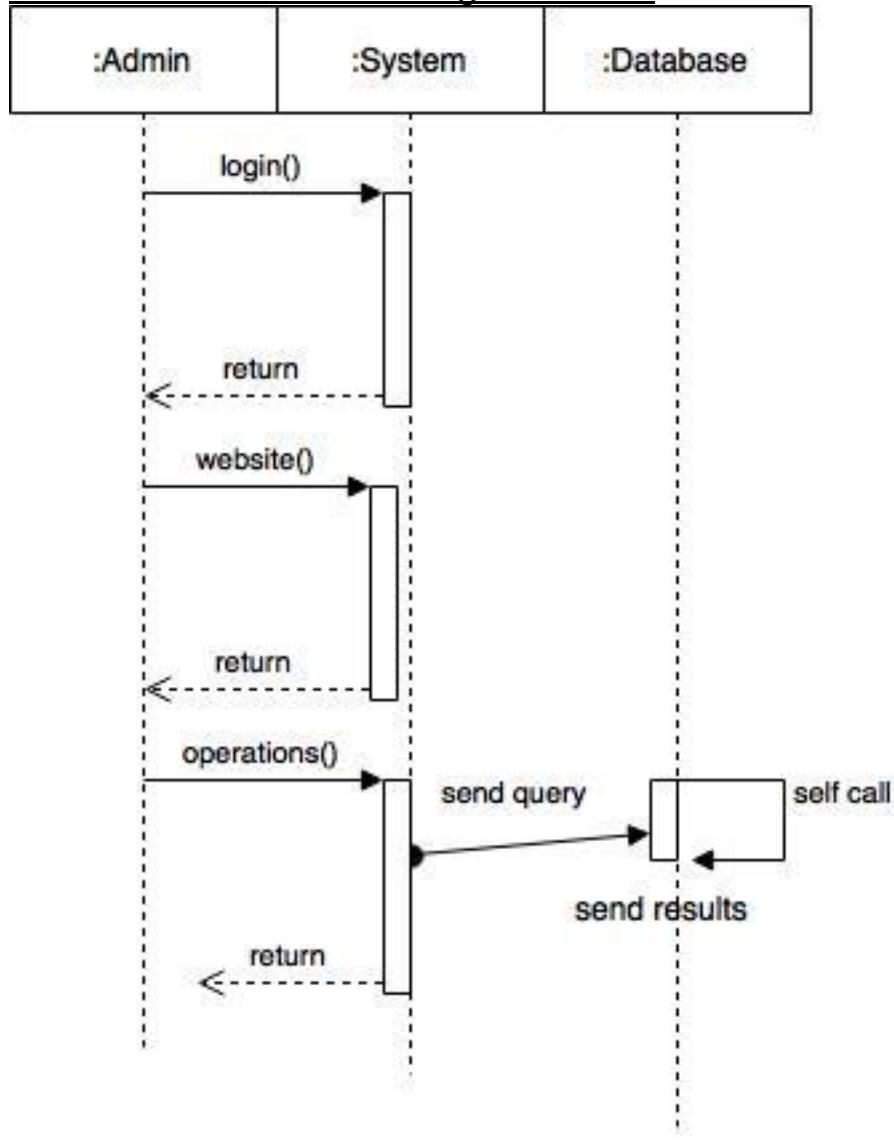
Use case 06 –Admin manages Library Members



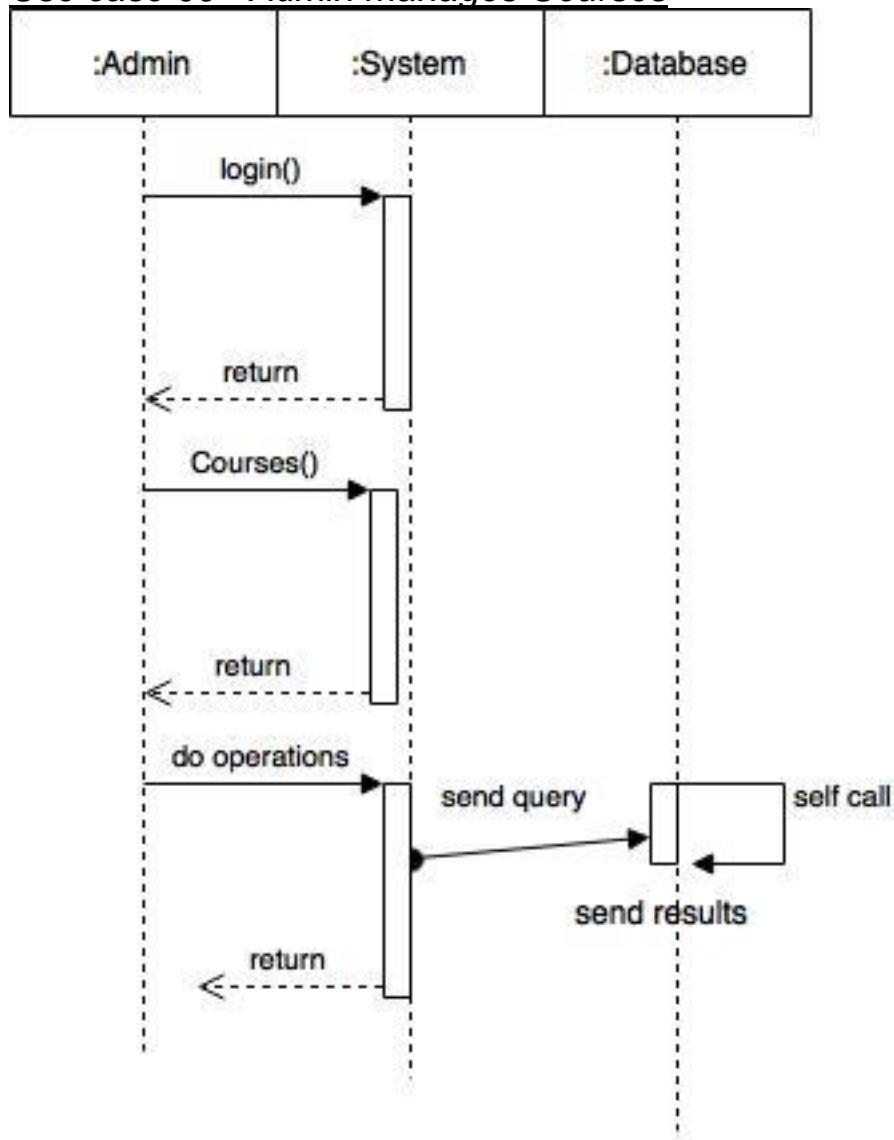
Use case 07 –Admin manages Stuff Donations



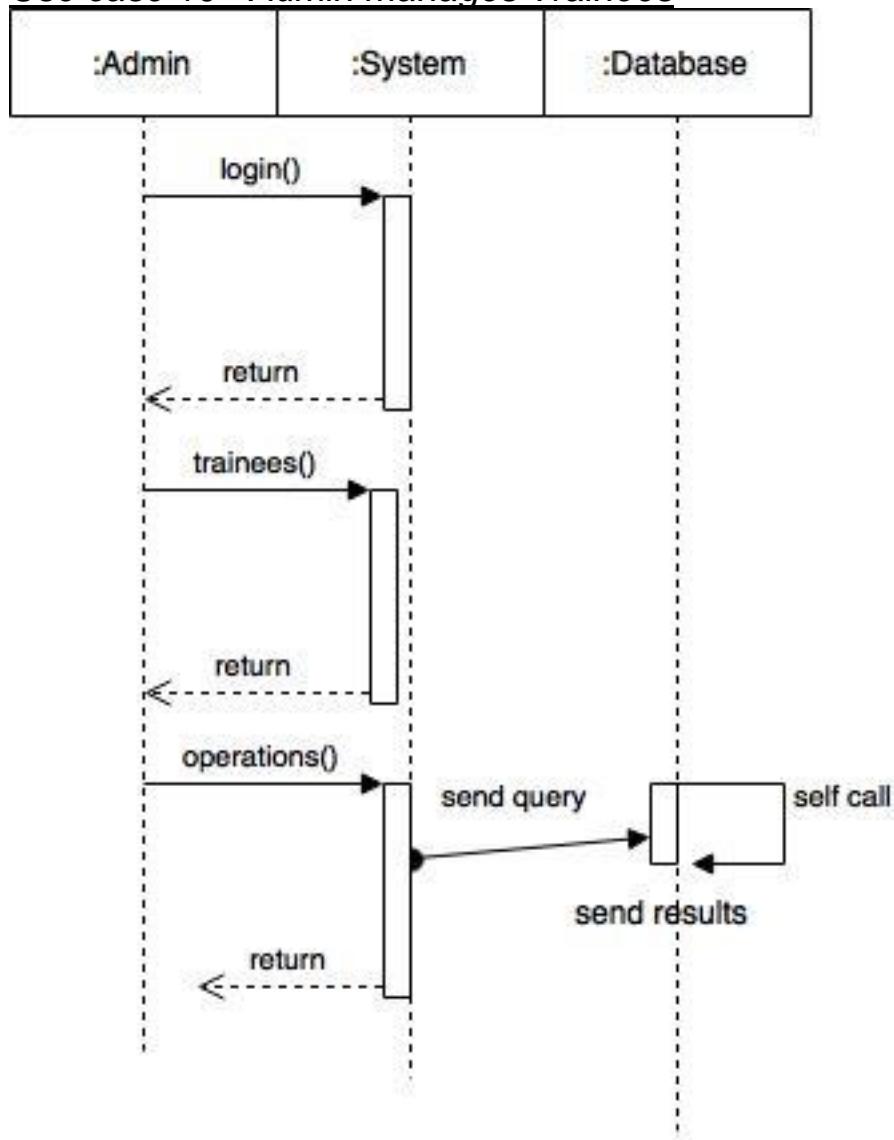
Use case 08 –Admin manages website



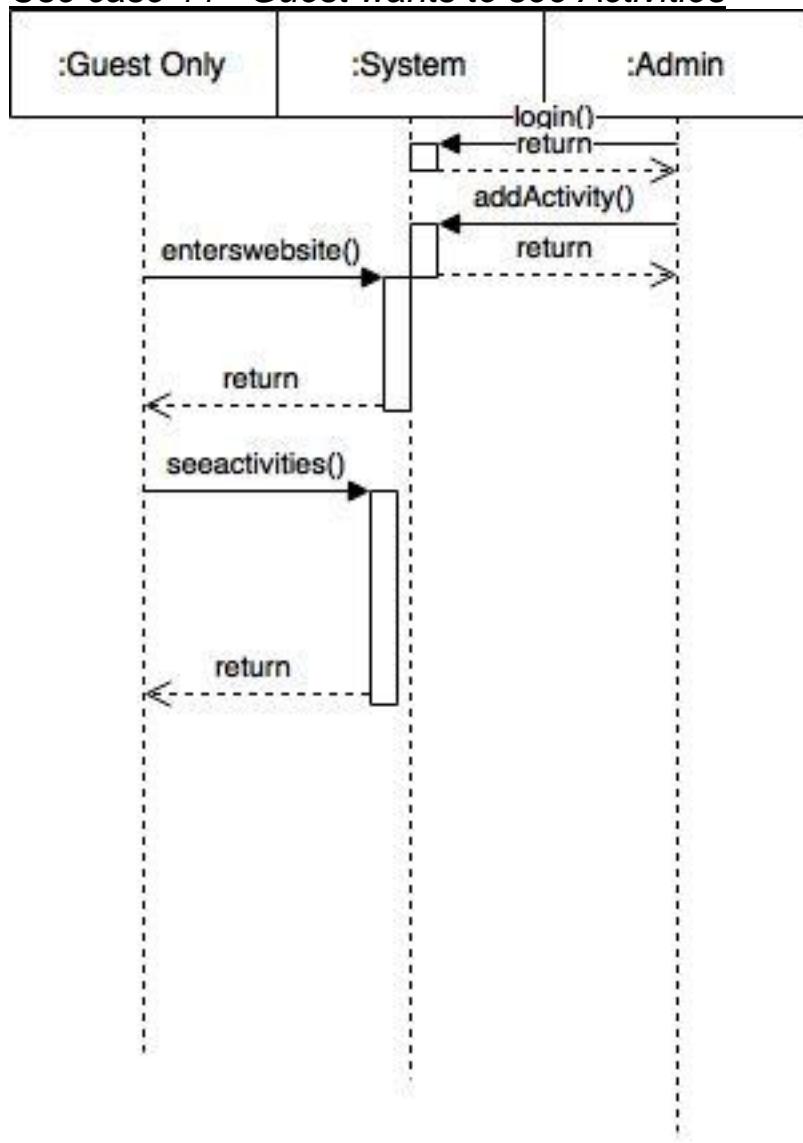
Use case 09 –Admin manages Courses



Use case 10 –Admin manages Trainees

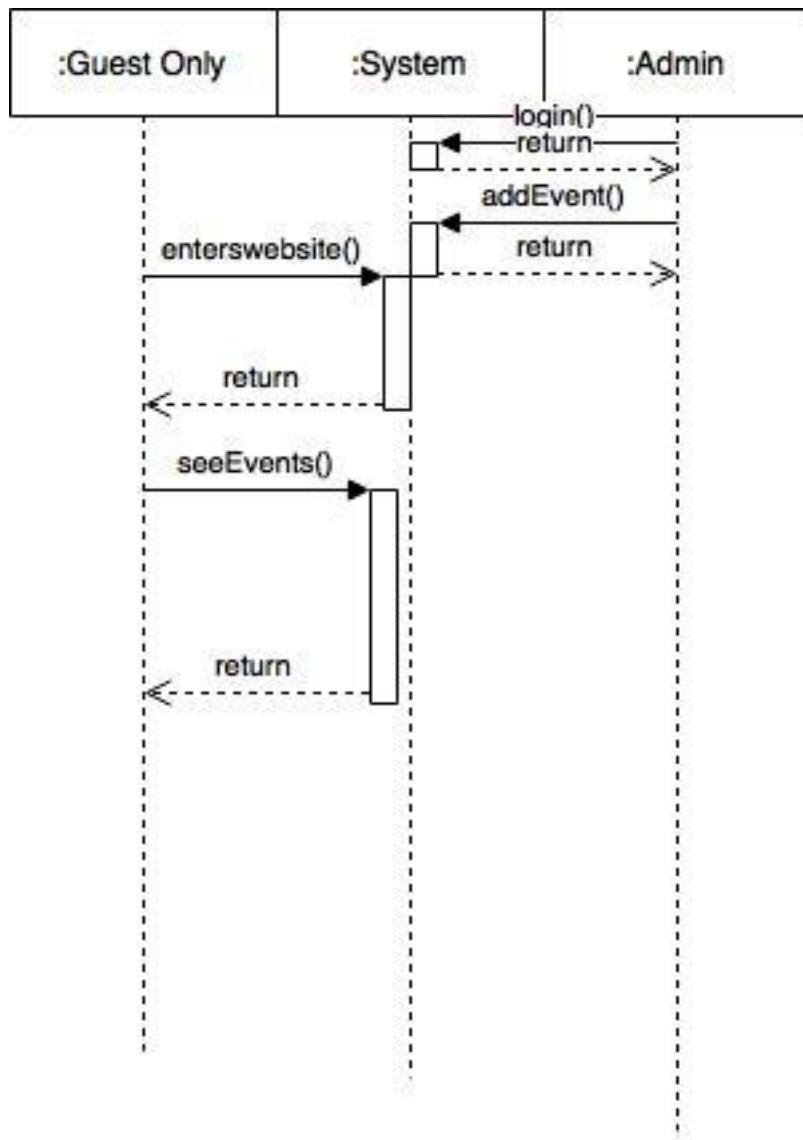


Use case 11 – Guest wants to see Activities

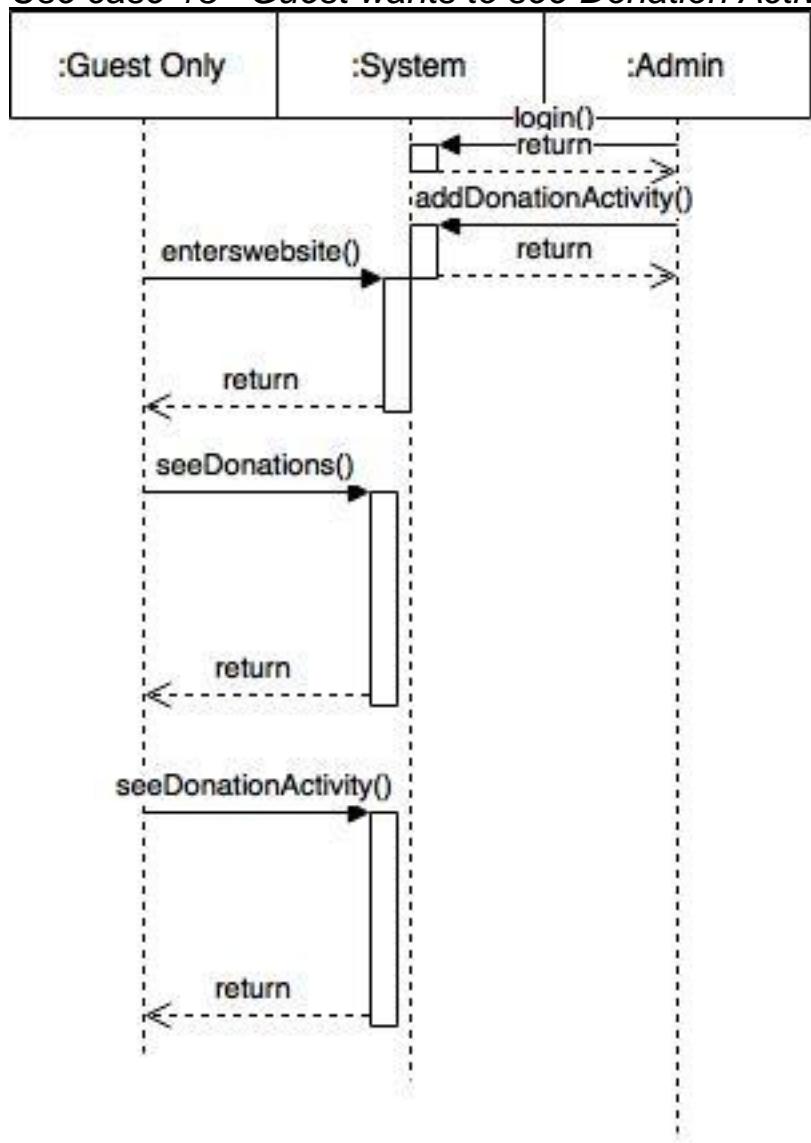


Use case 12 –Guest wants to see Events

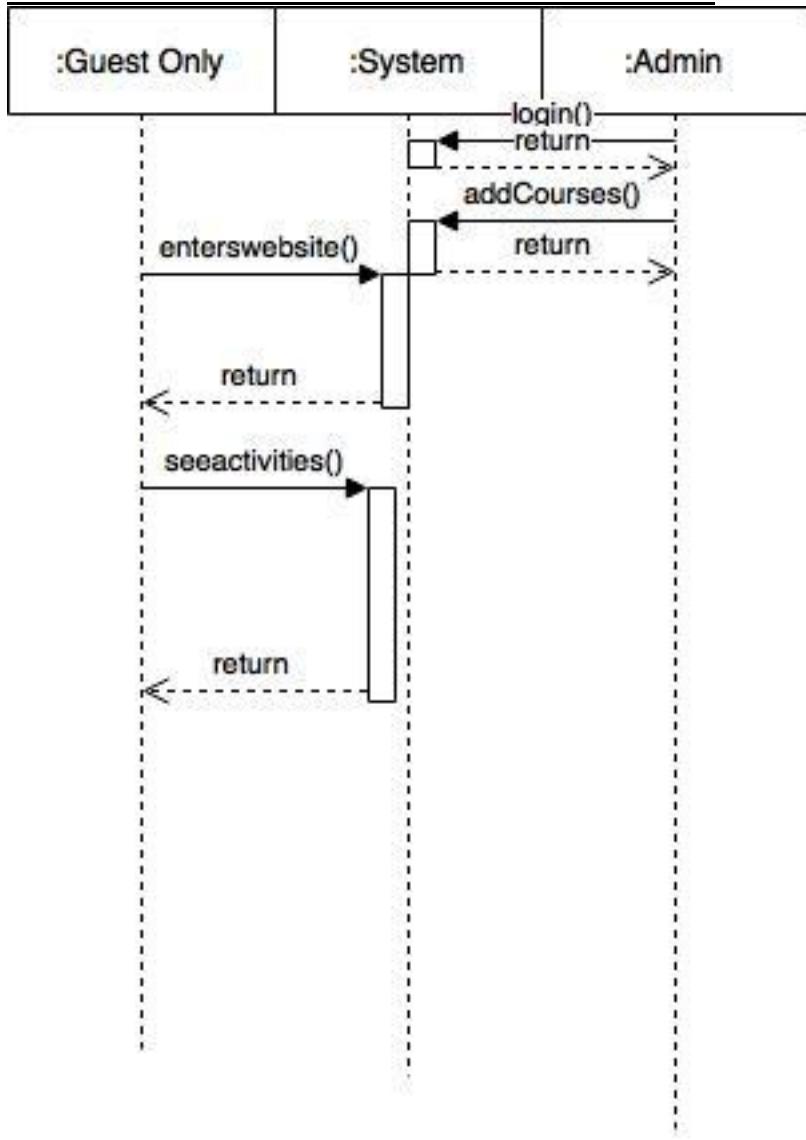
YWCA Requirements Specification



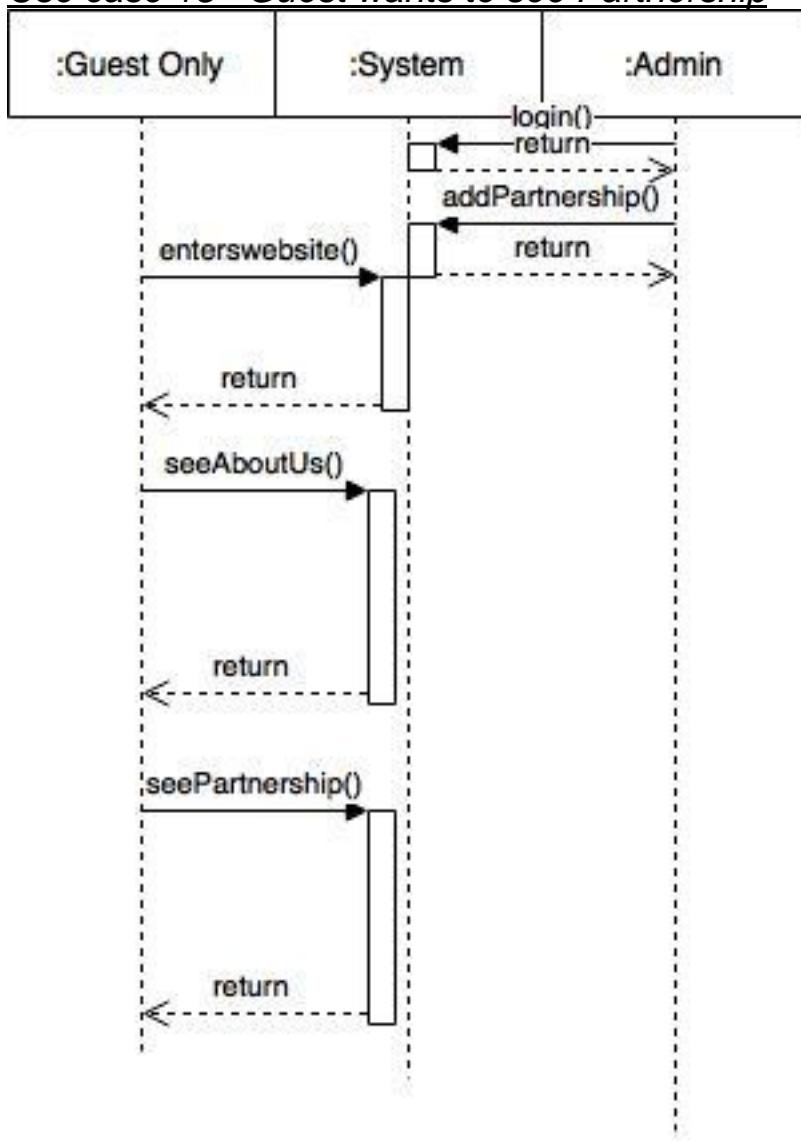
Use case 13 –Guest wants to see Donation Activities



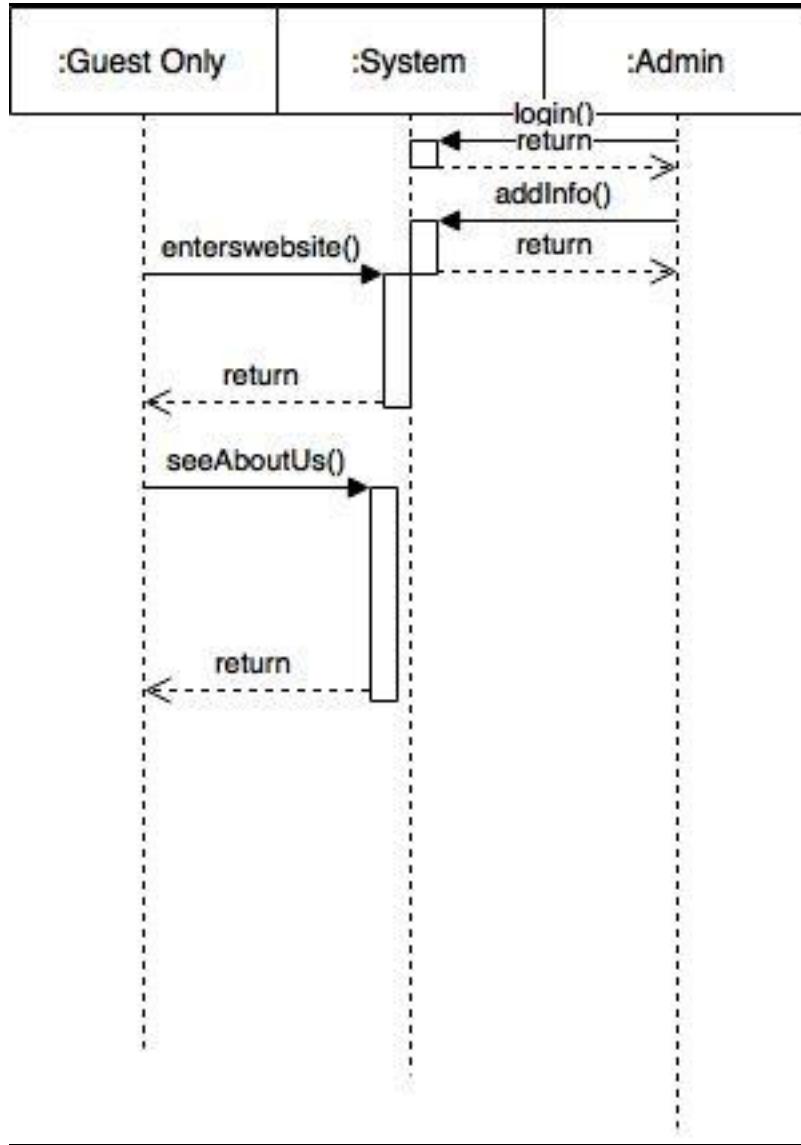
Use case 14 – Guest wants to see Courses



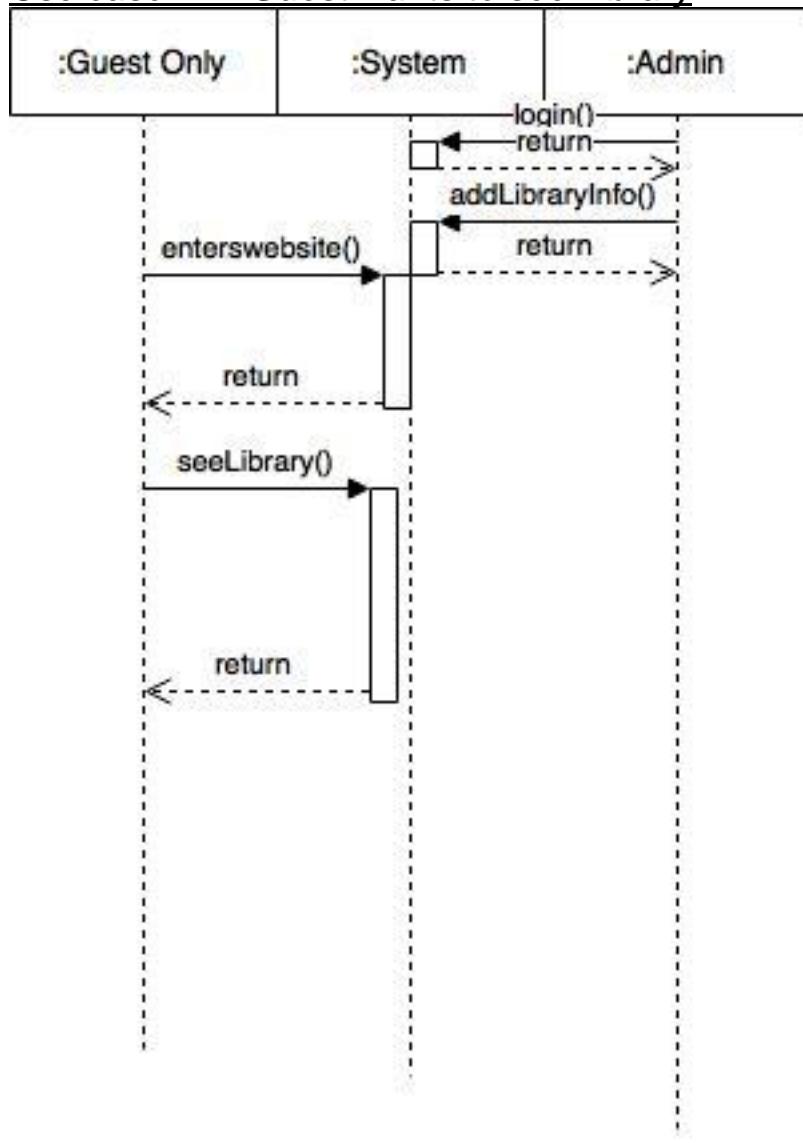
Use case 15 – Guest wants to see Partnership



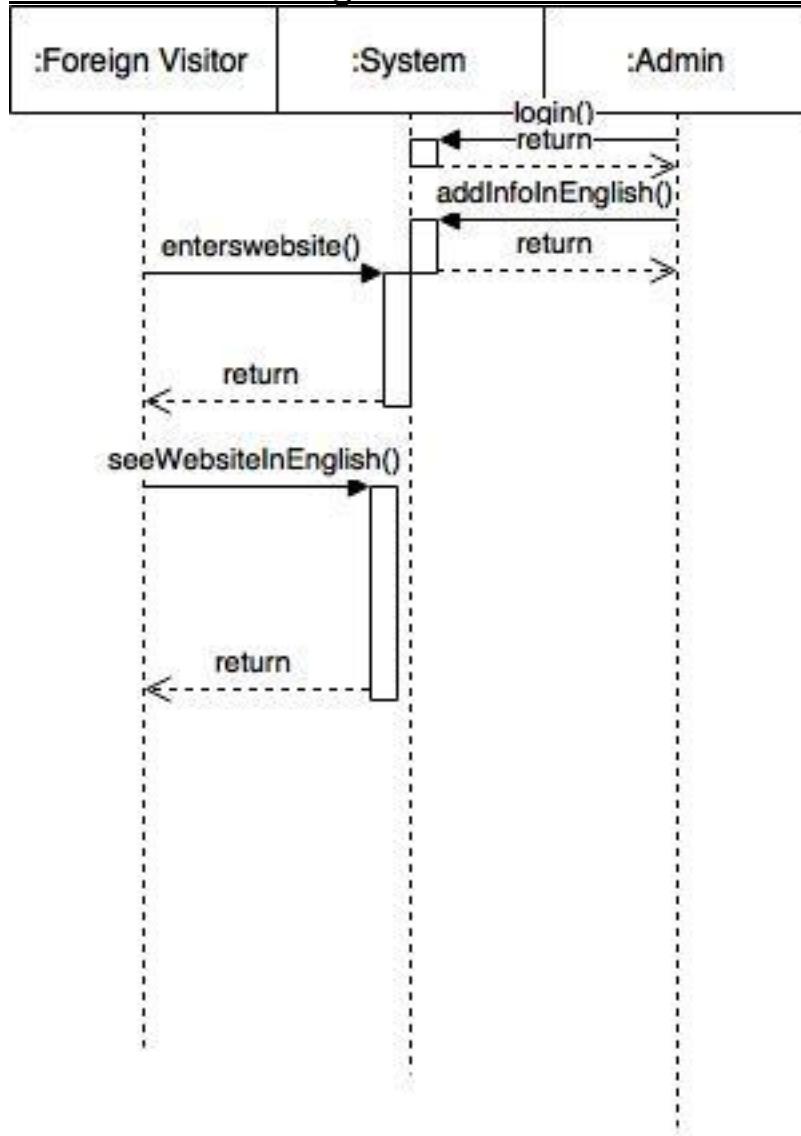
Use case 16 – Guest wants to find relevant information



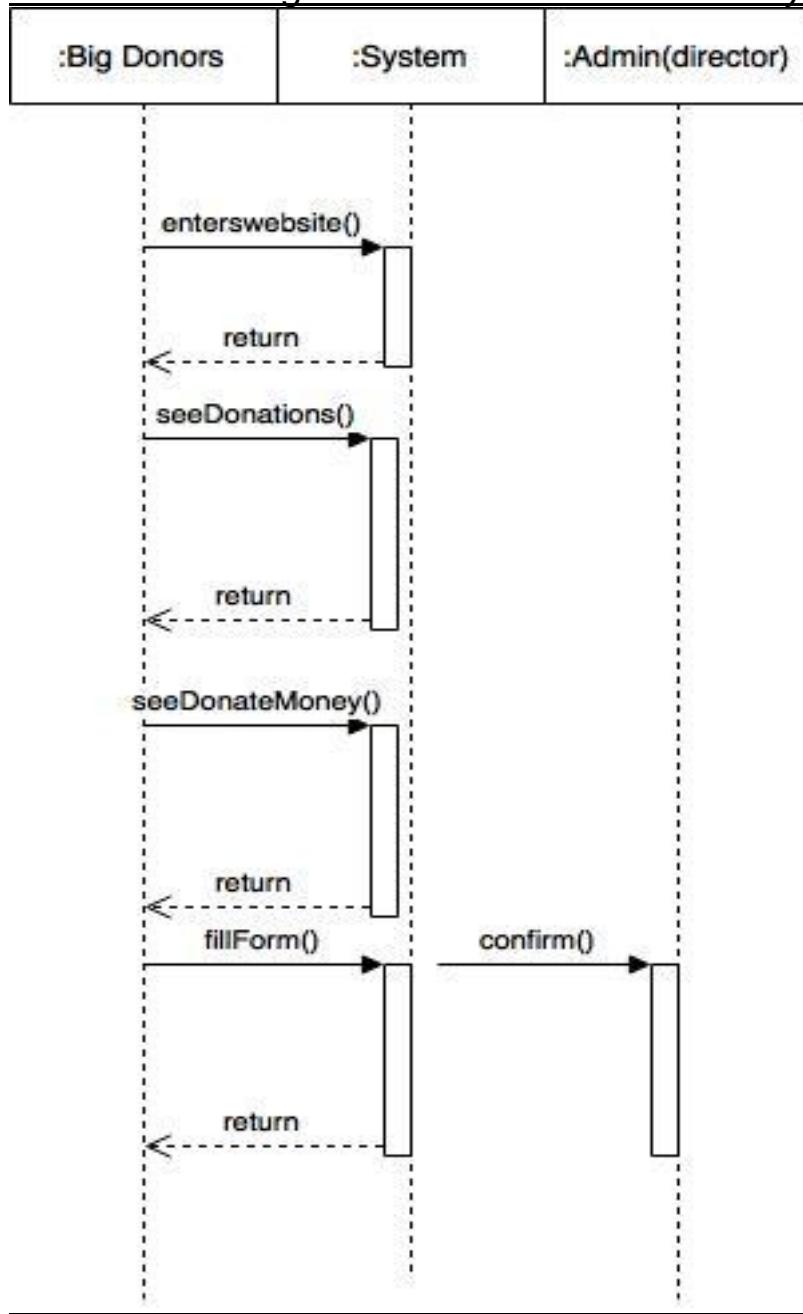
Use case 17 –Guest wants to see Library

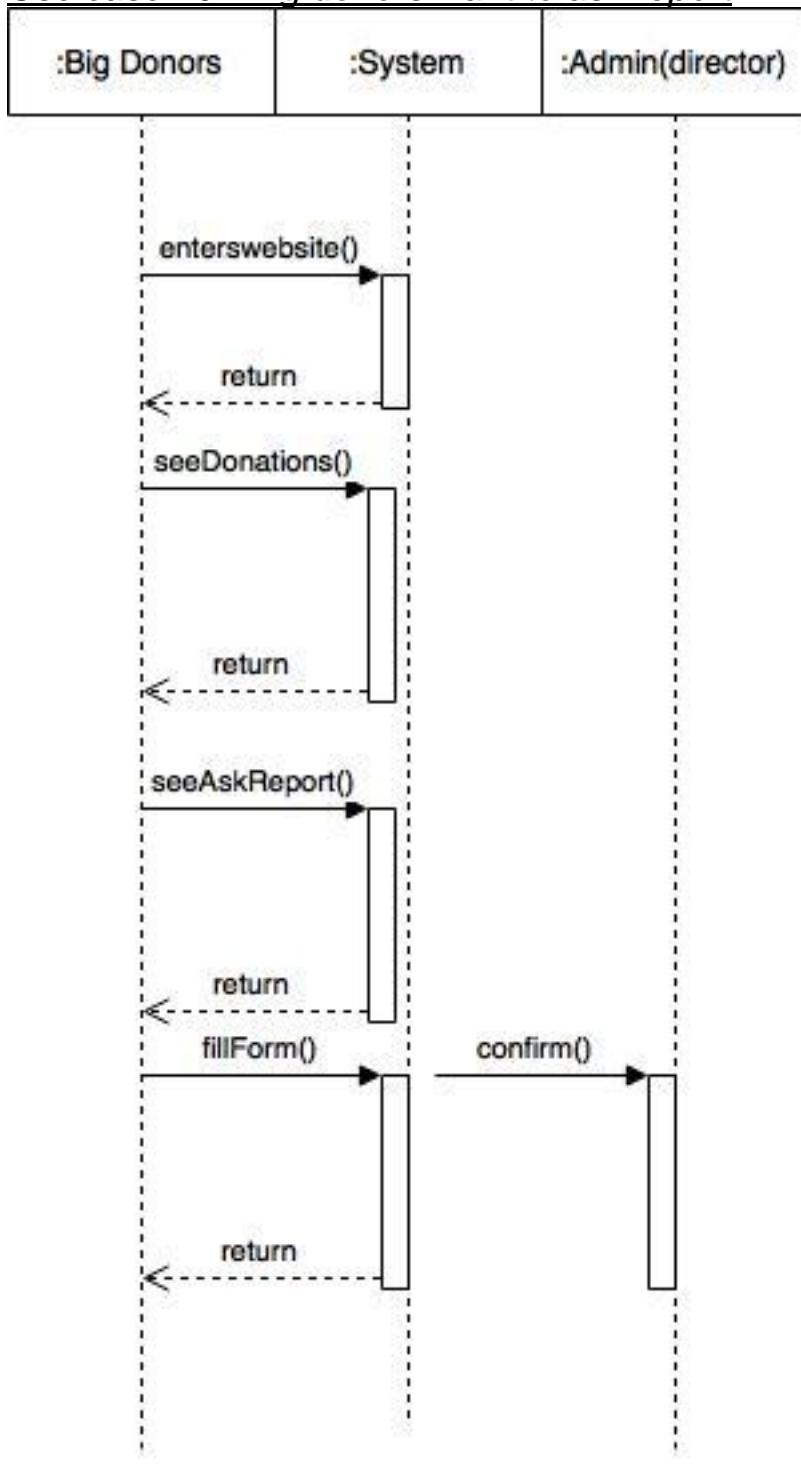


Use case 18 –Foreign Visitor wants Information in English

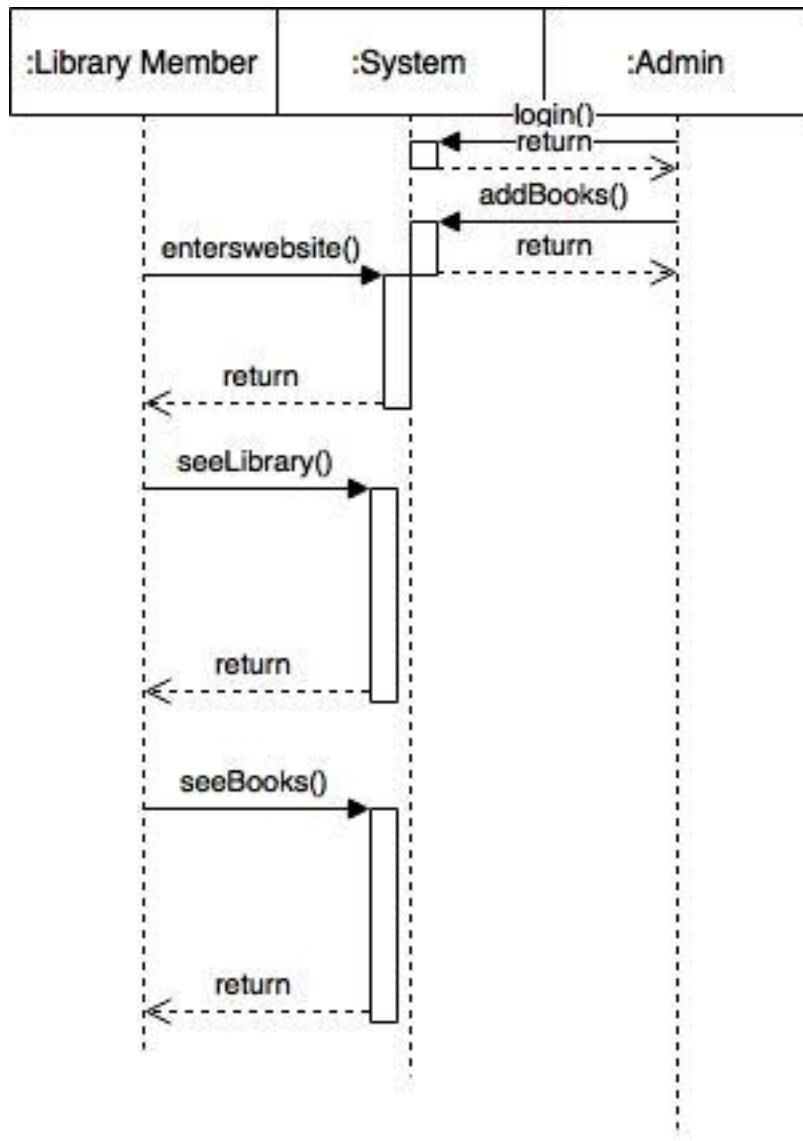


Use case 19 –Big donors want to donate money

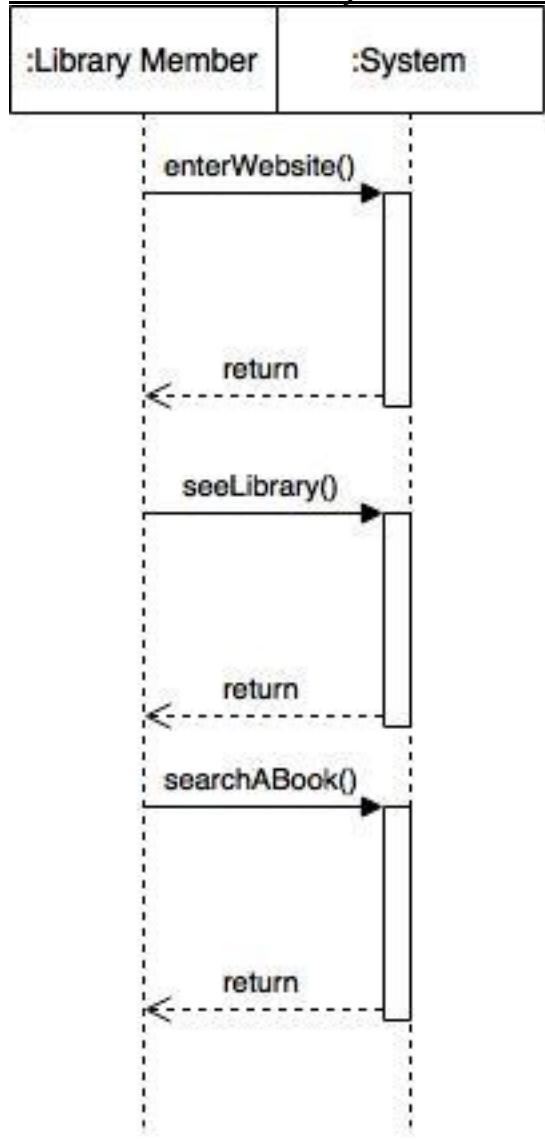


Use case 20 –Big donors want to ask report

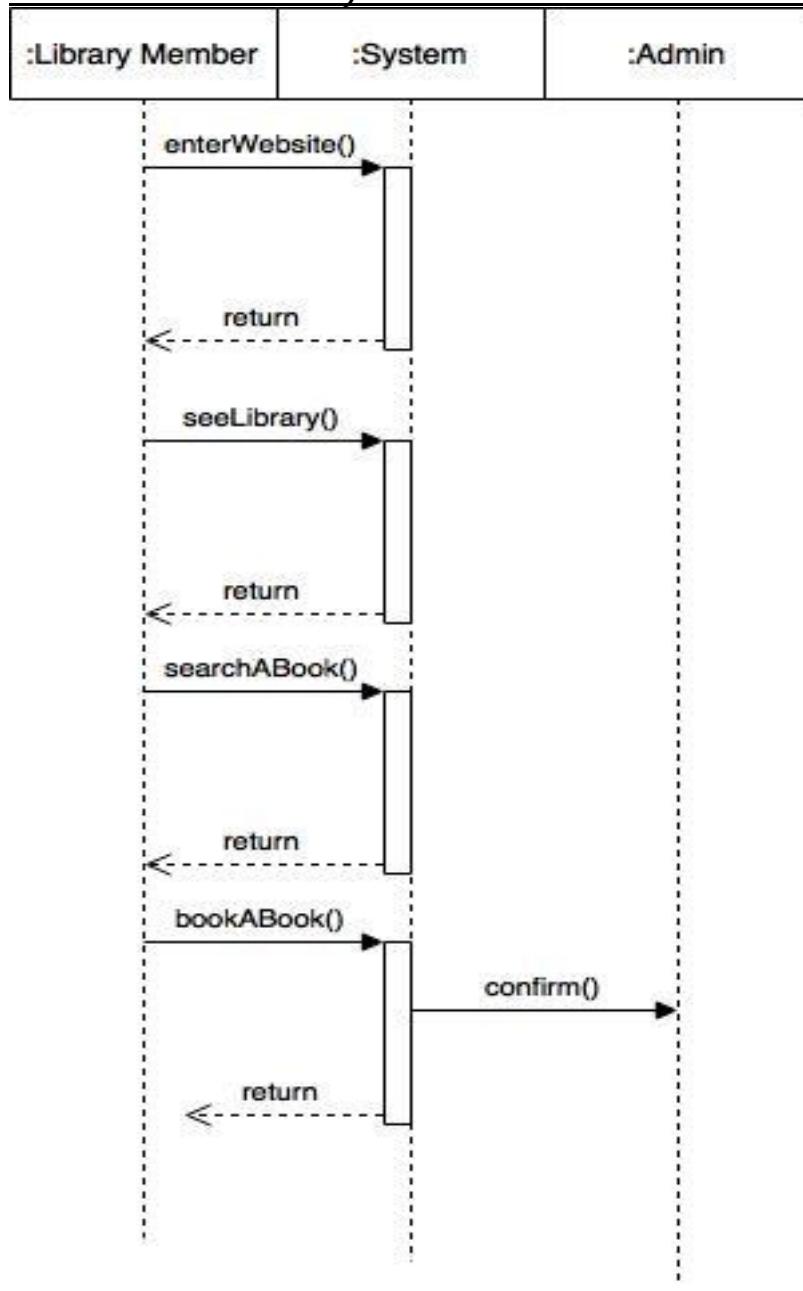
Use case 21 – Library Member wants to view Booklist



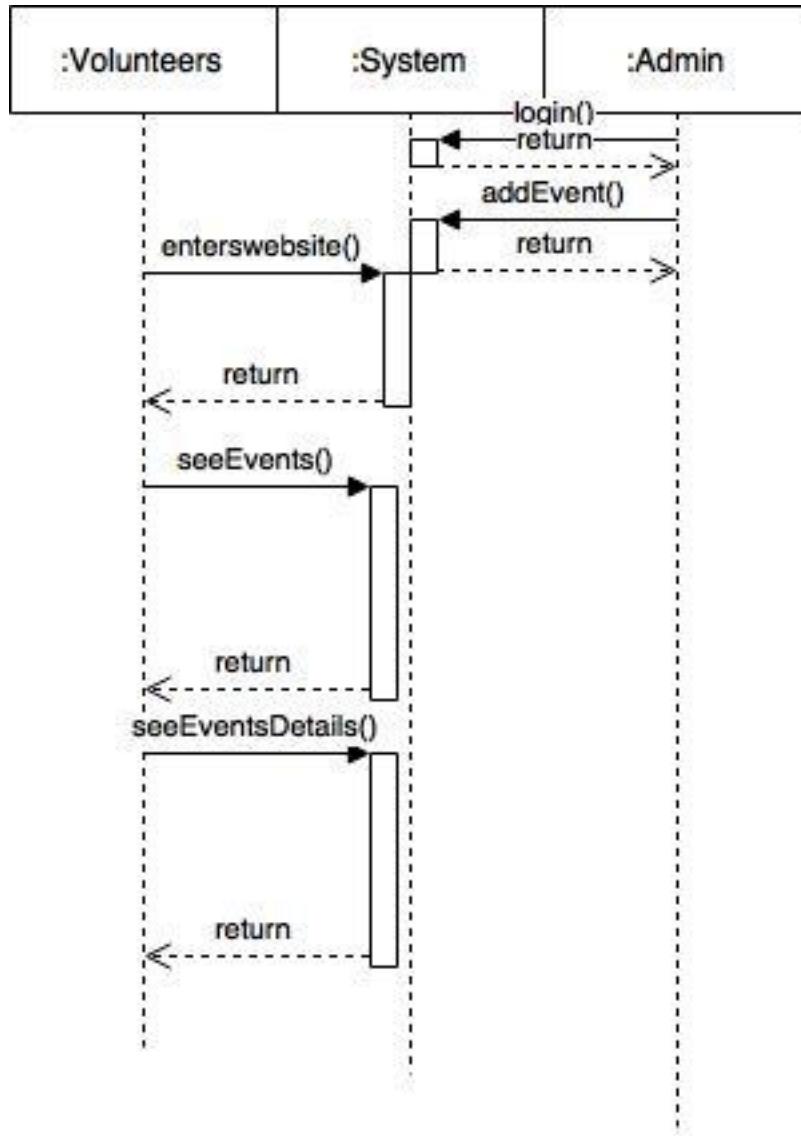
Use case 22 –Library Member wants to search a book



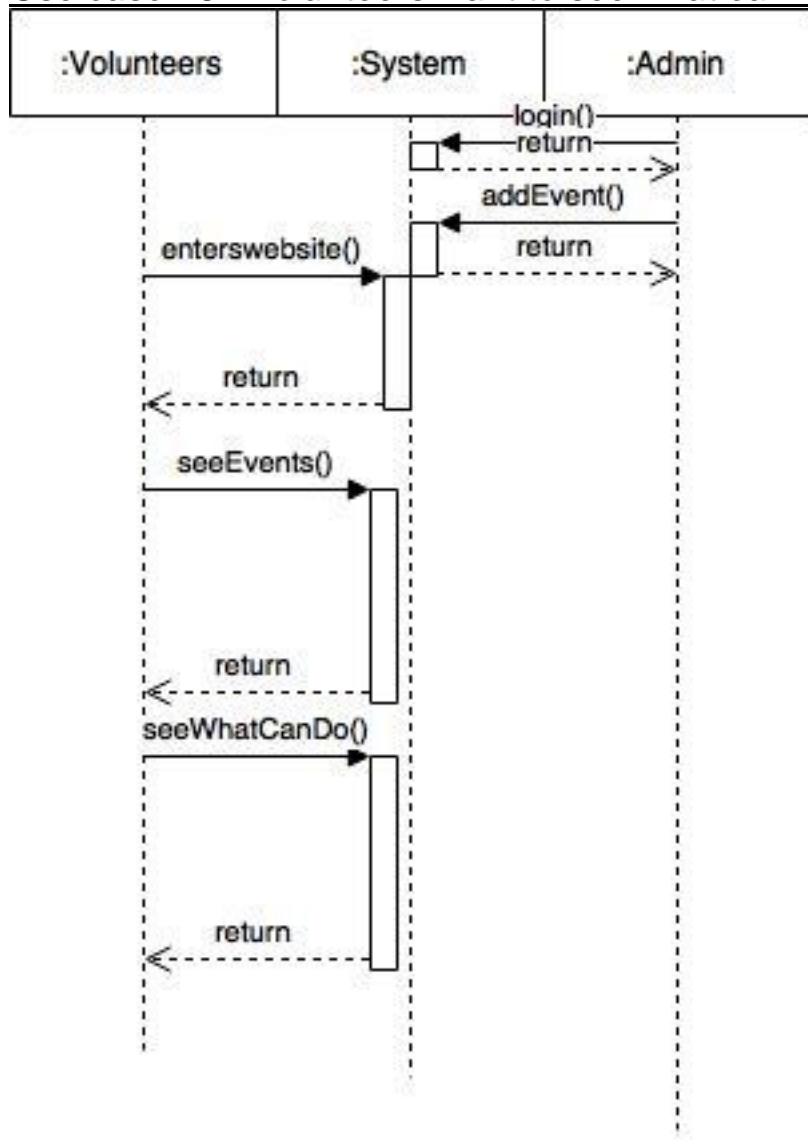
Use case 23 – Library Member wants to Book a book



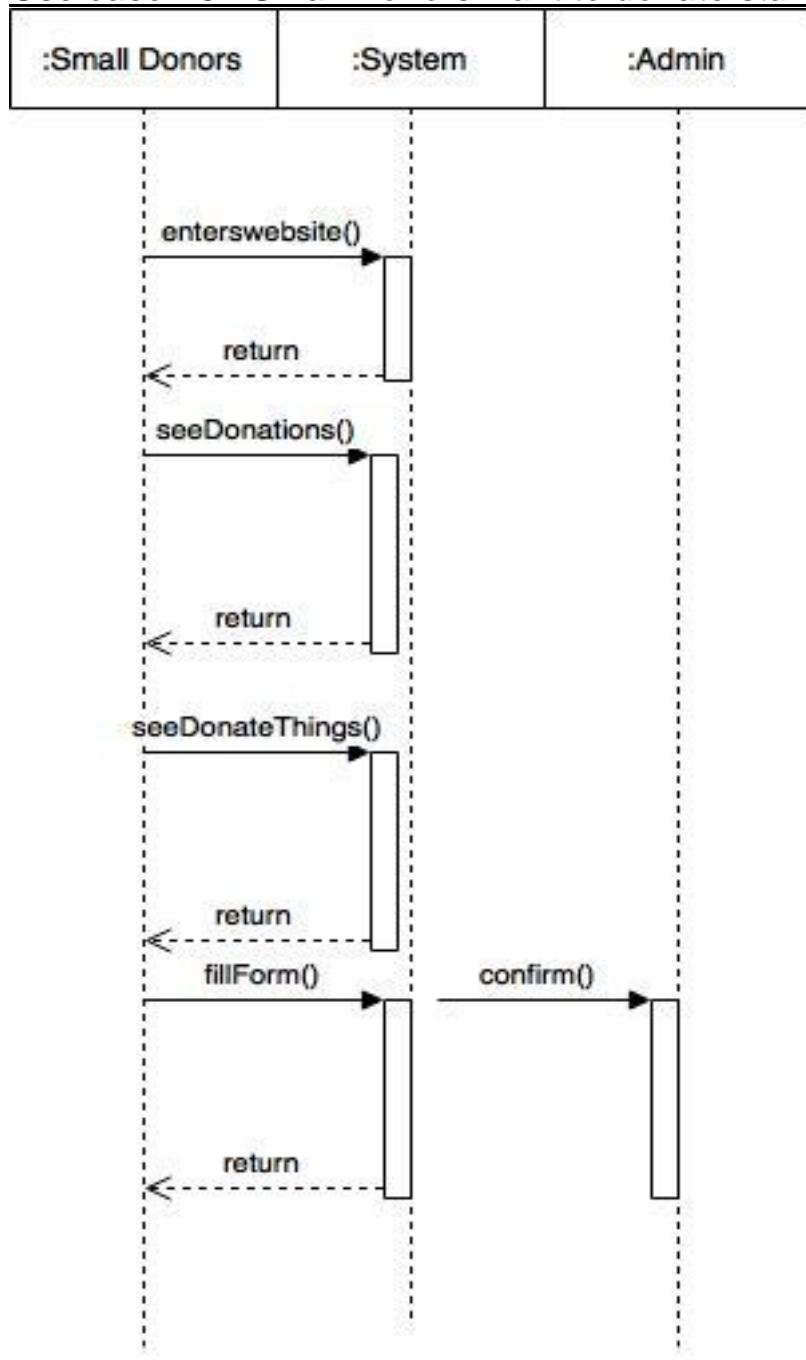
Use case 24 – Volunteers want to see Upcoming event details



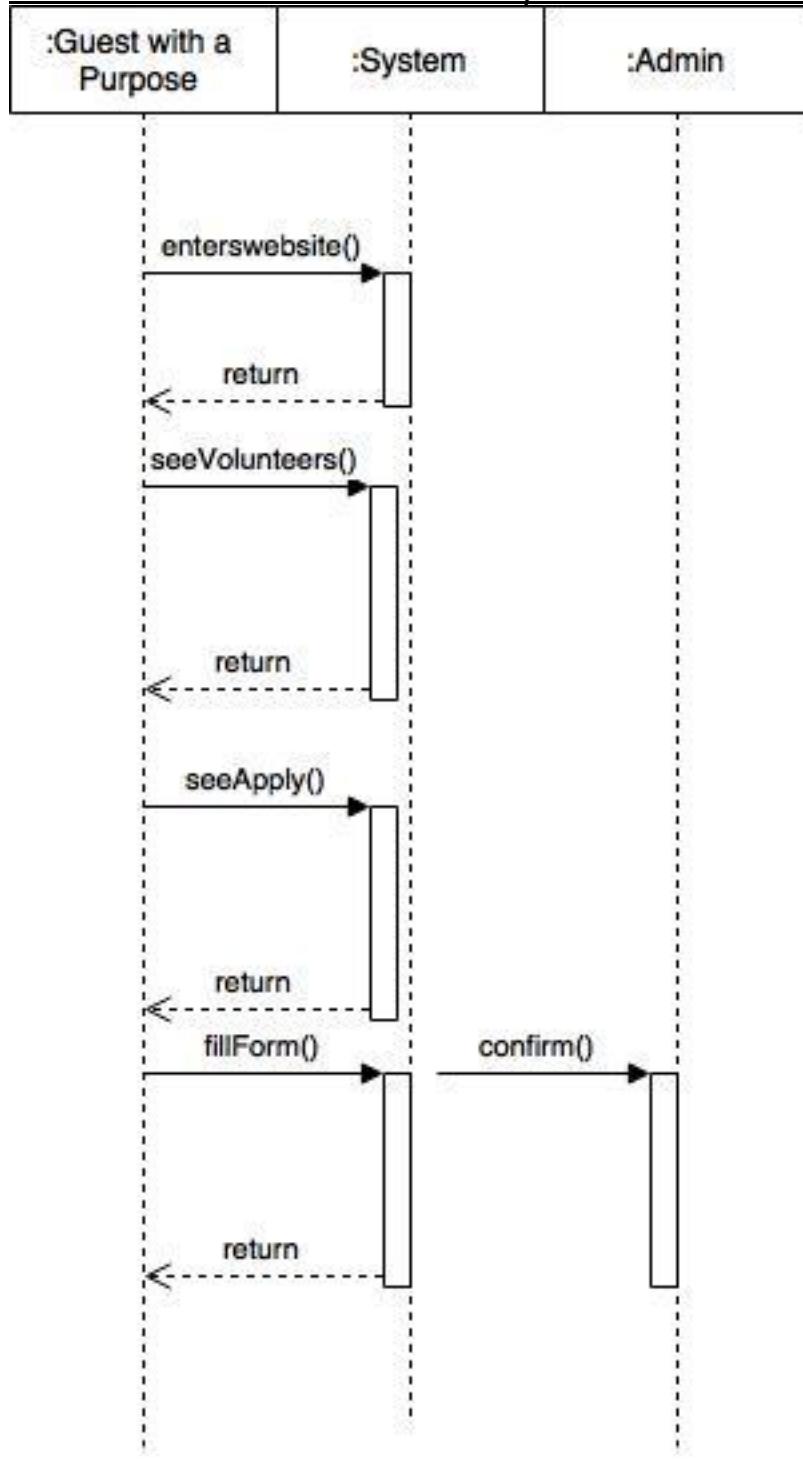
Use case 25 – Volunteers want to see what can it do



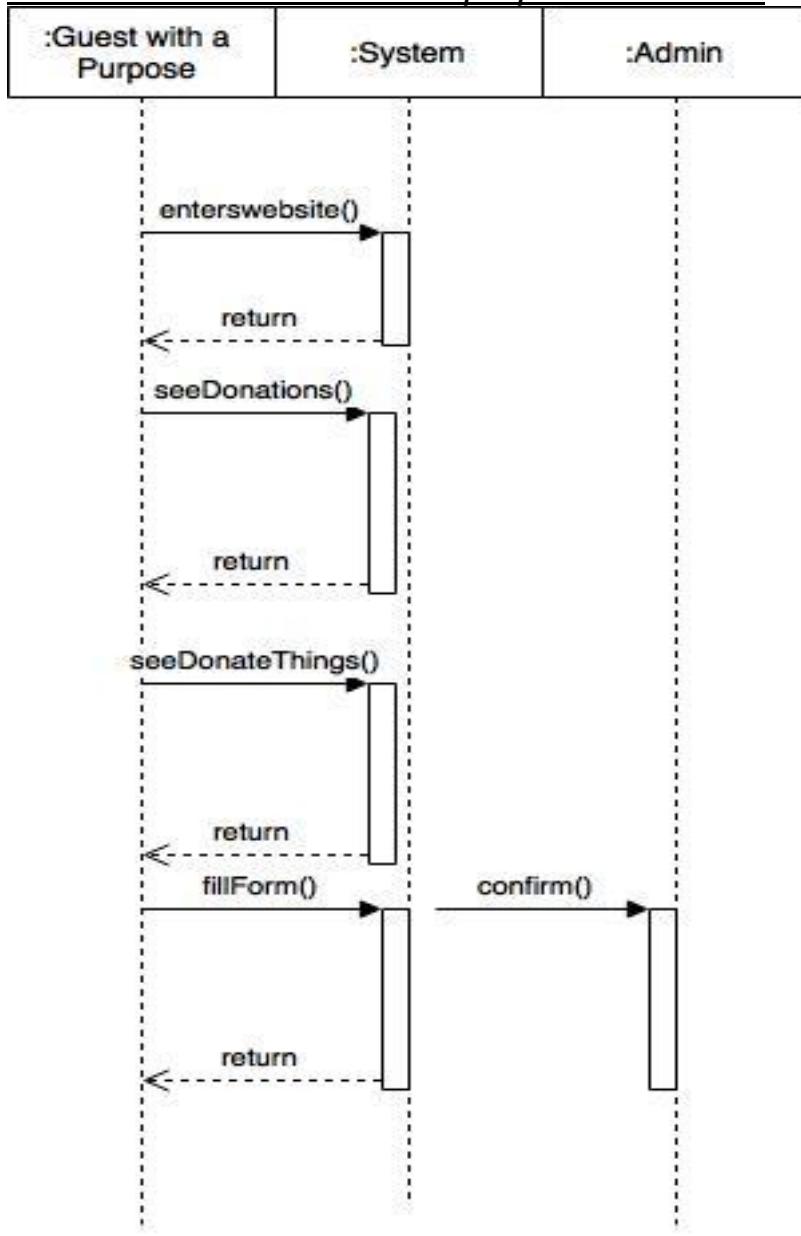
Use case 26 –Small Donors want to donate stuff



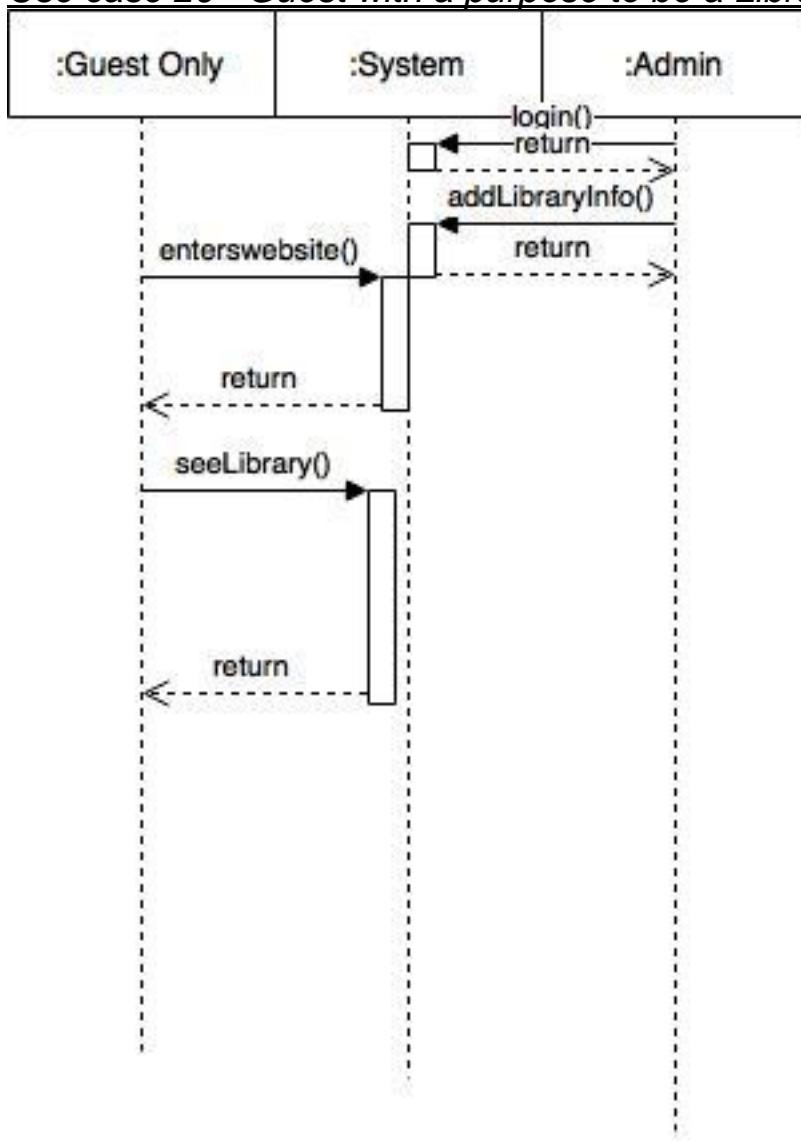
Use case 27 – Guest with a Purpose to be a Volunteer

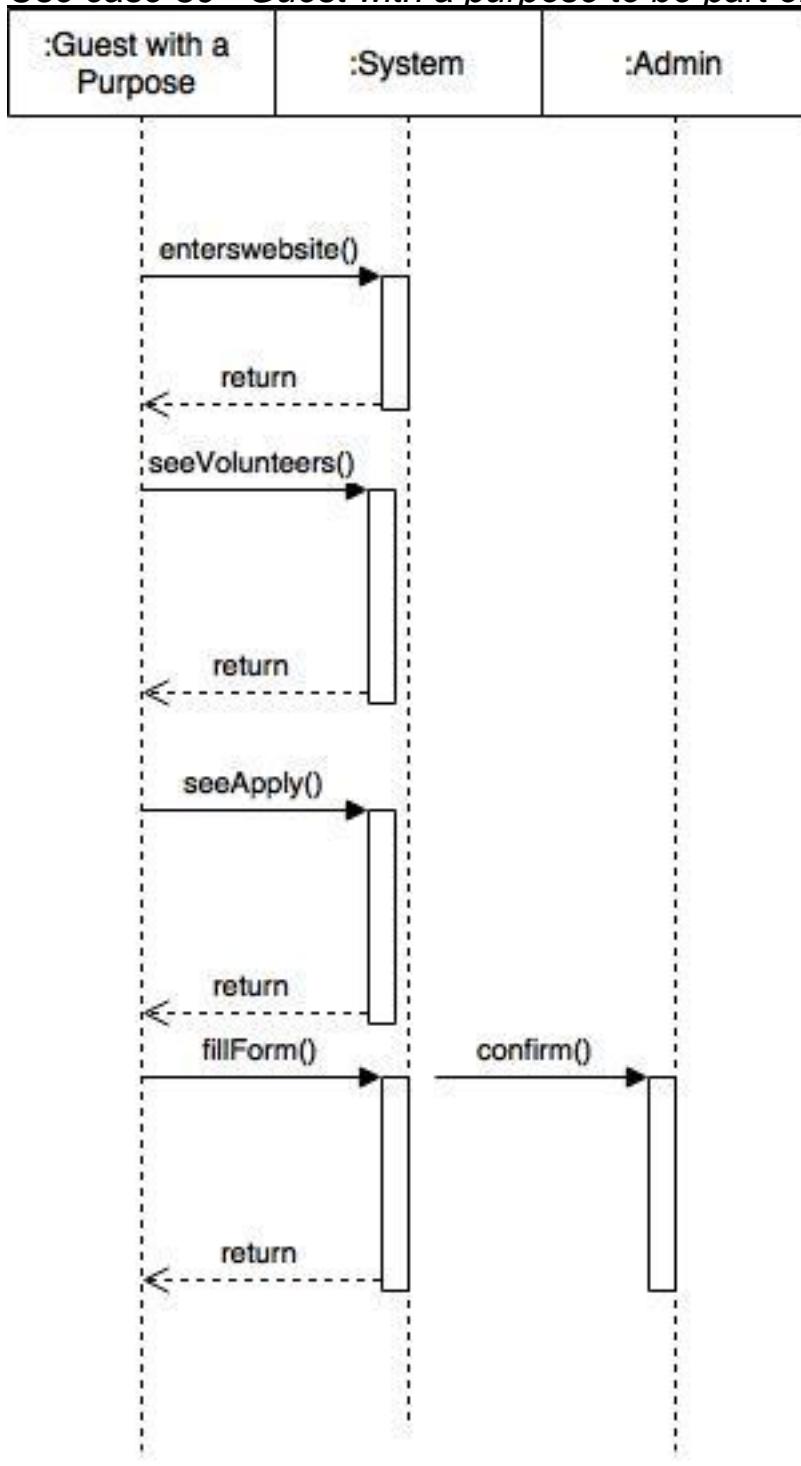


Use case 28 – Guest with a purpose to donate



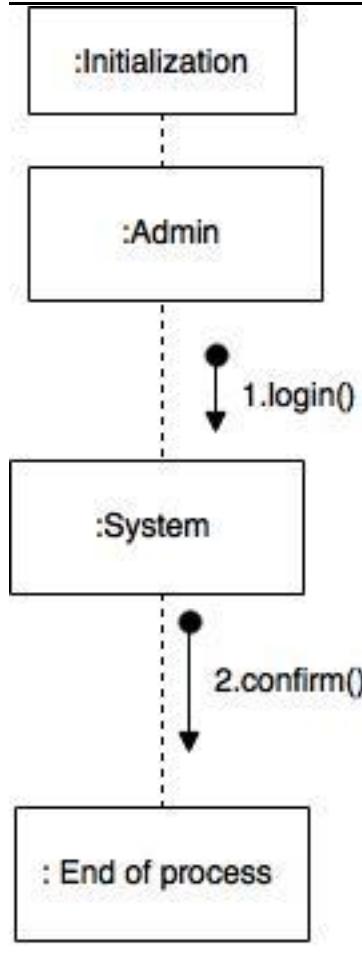
Use case 29 – Guest with a purpose to be a Library member



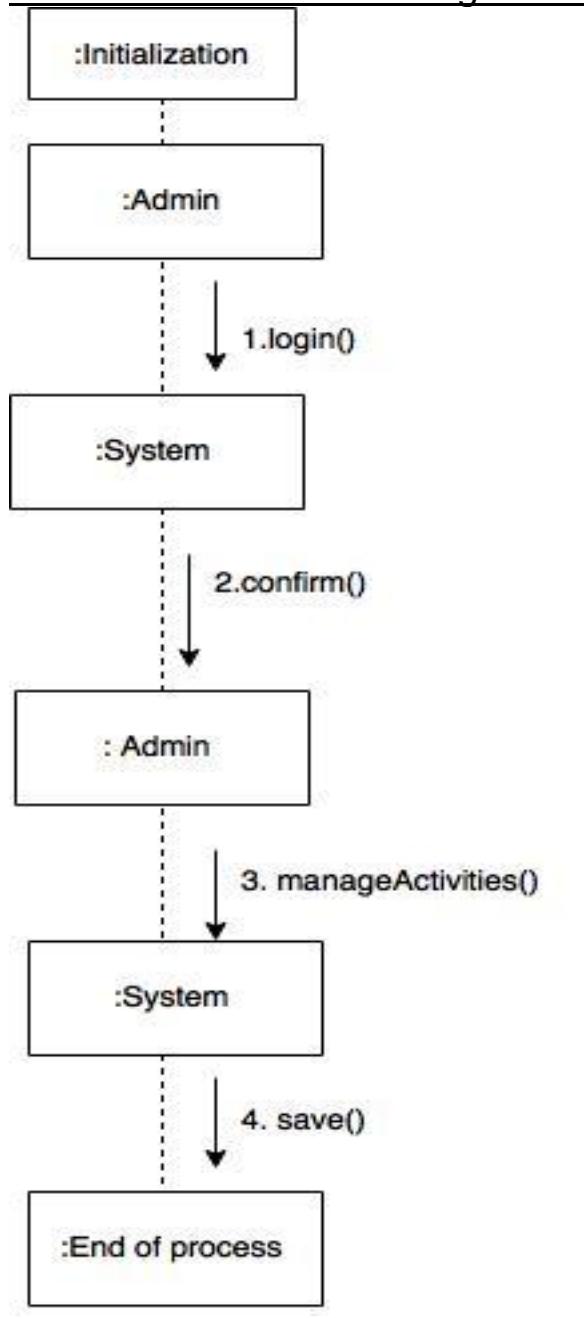
Use case 30 –Guest with a purpose to be part of a course

Collaboration Diagrams

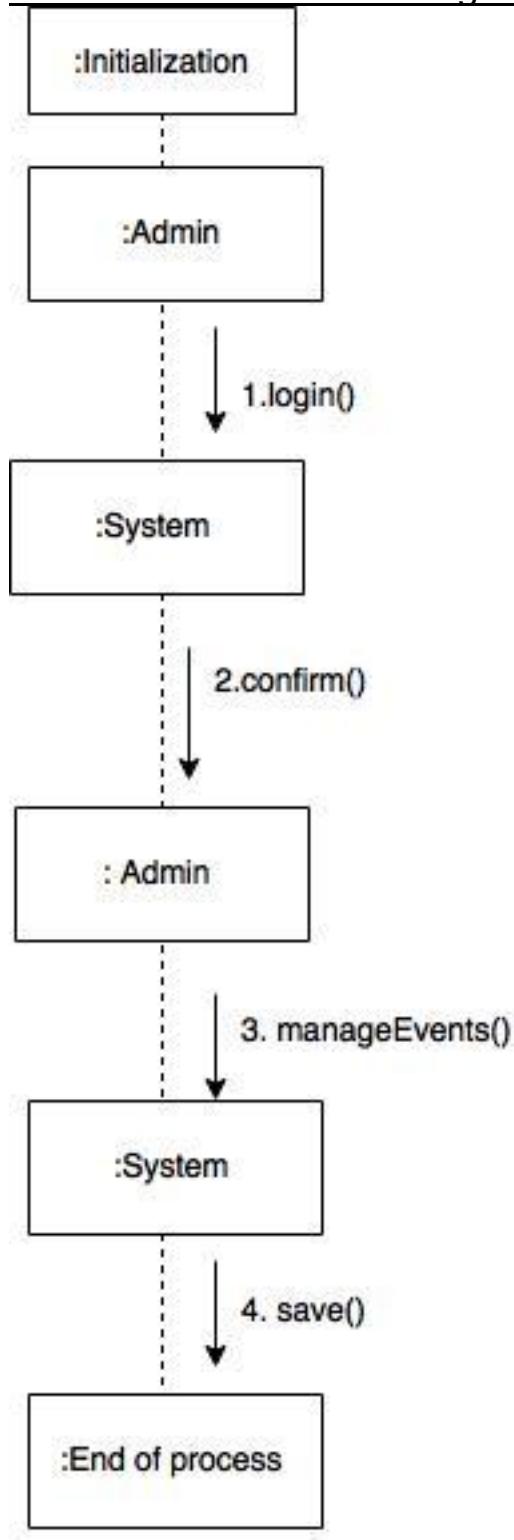
Use case 01 –Admin logs in



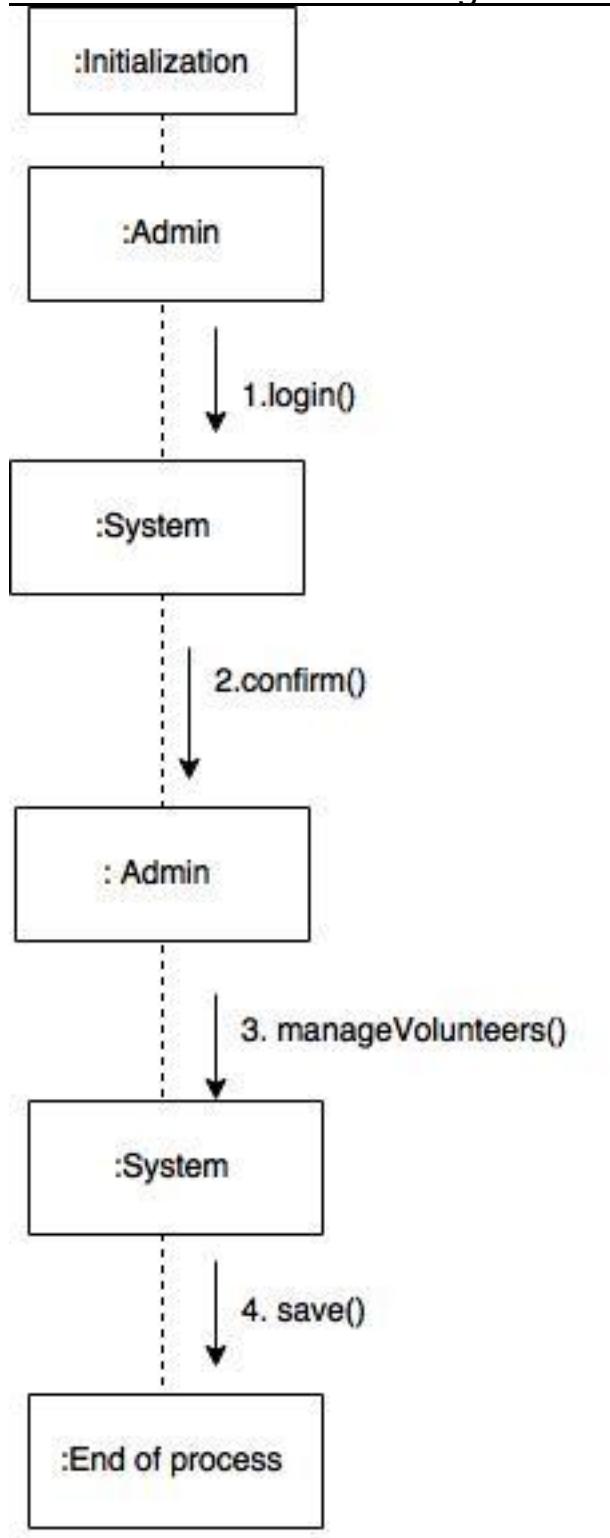
Use case 02 –Admin manages activities



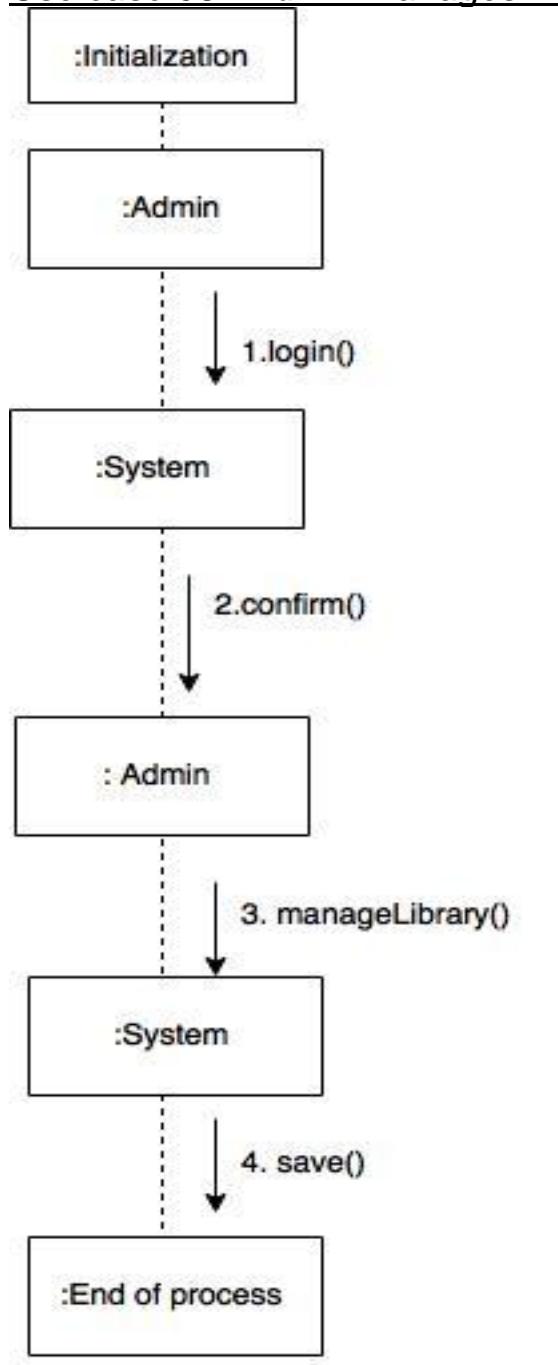
Use case 03 –Admin manages events



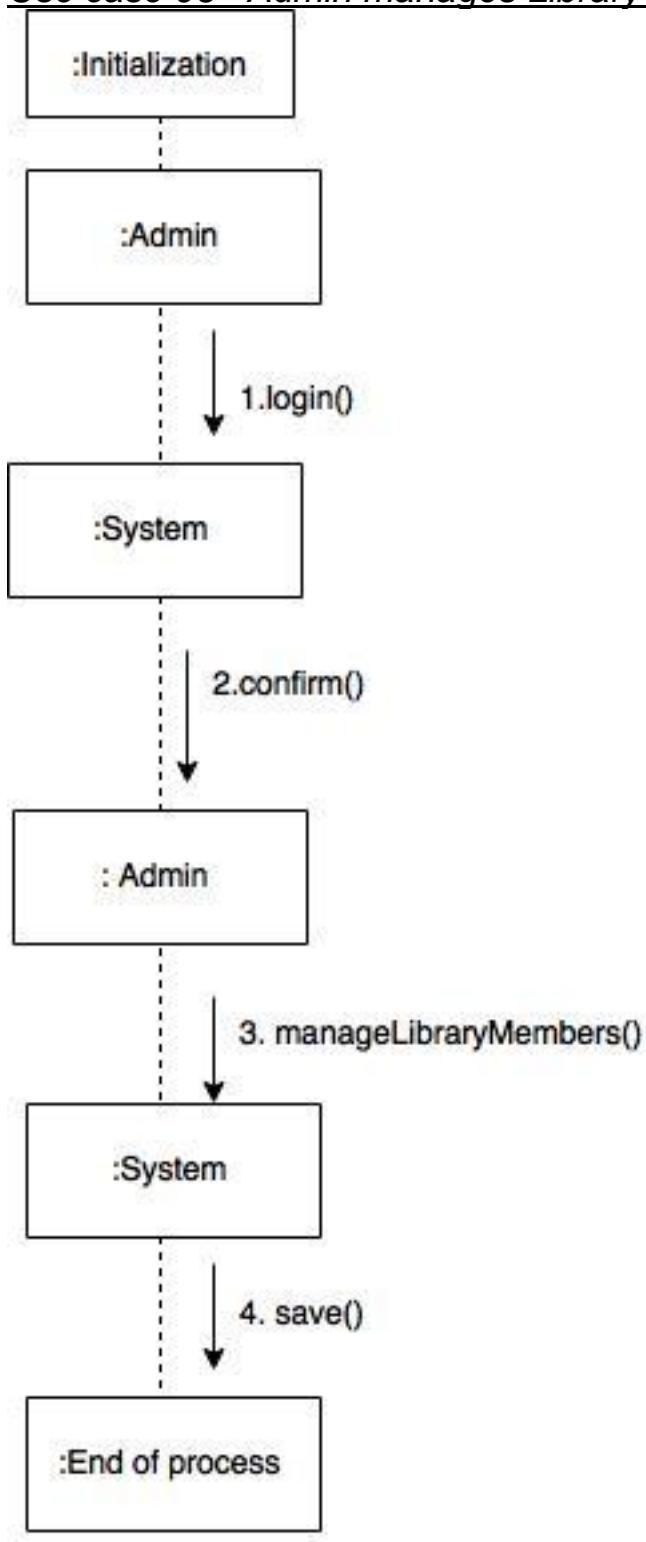
Use case 04 –Admin manages Volunteers



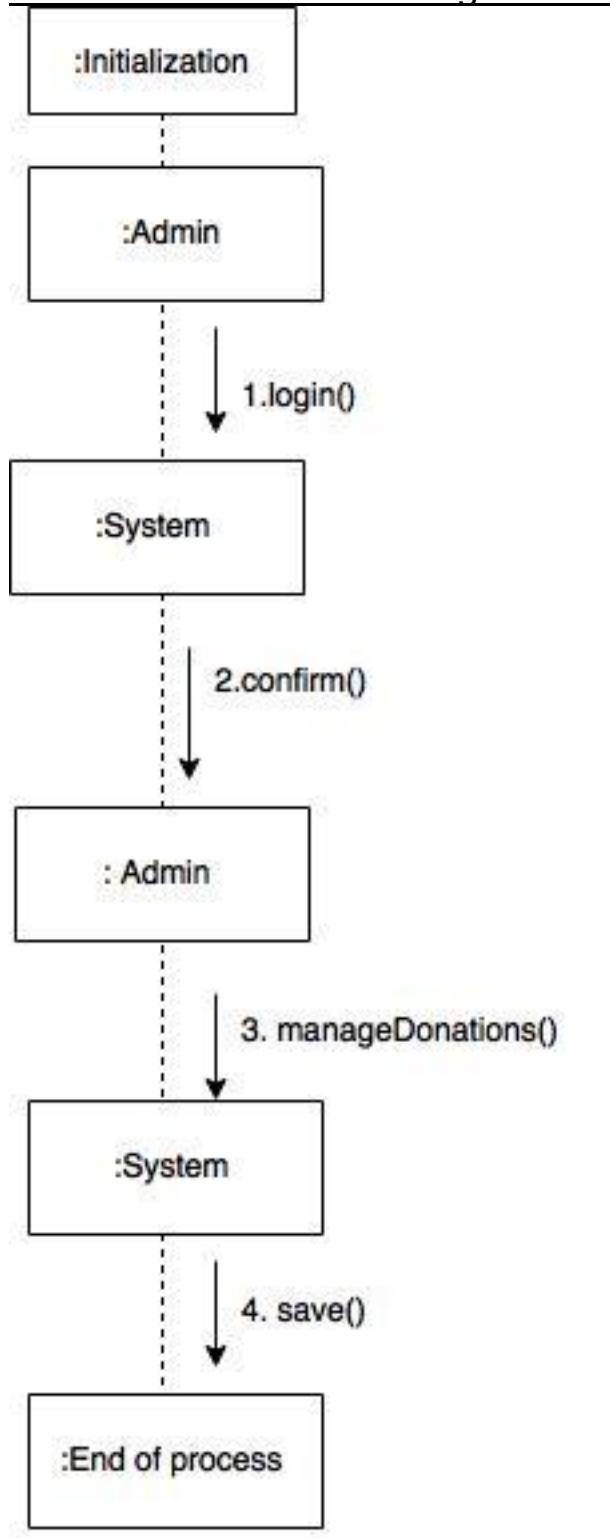
Use case 05 –Admin manages Library



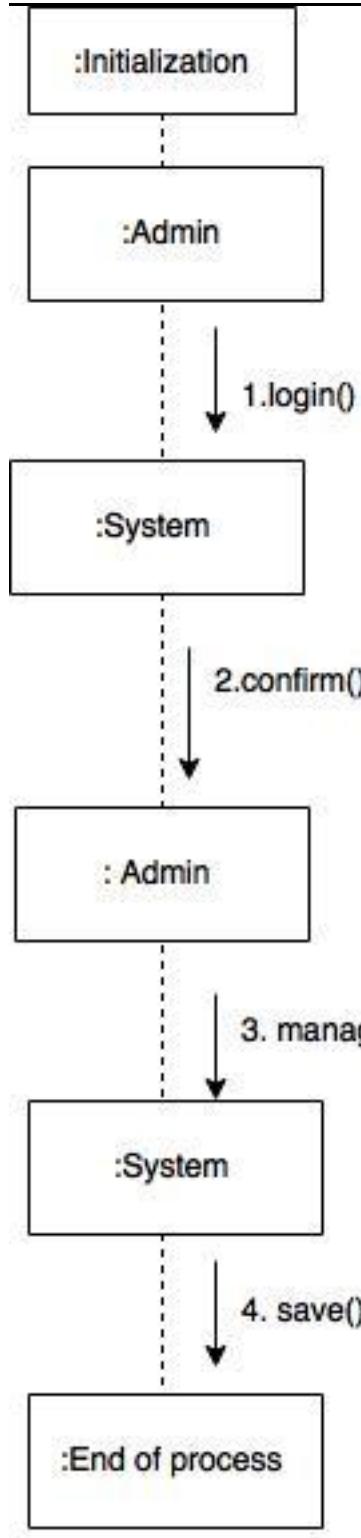
Use case 06 –Admin manages Library Members



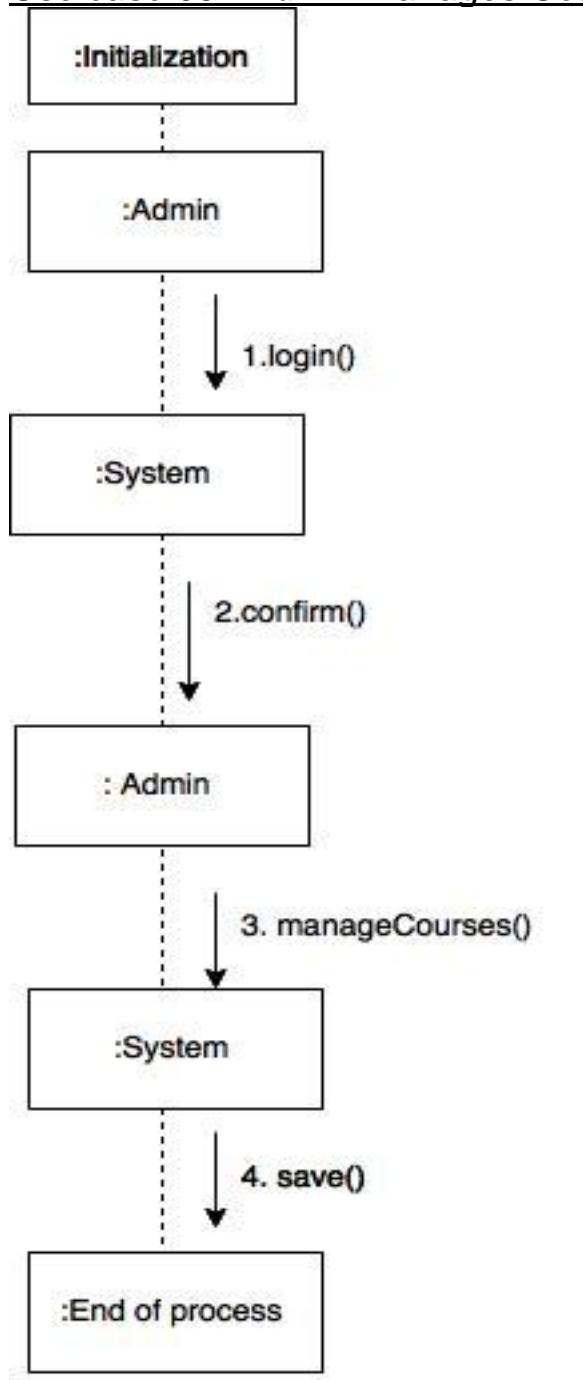
Use case 07 –Admin manages Stuff Donations



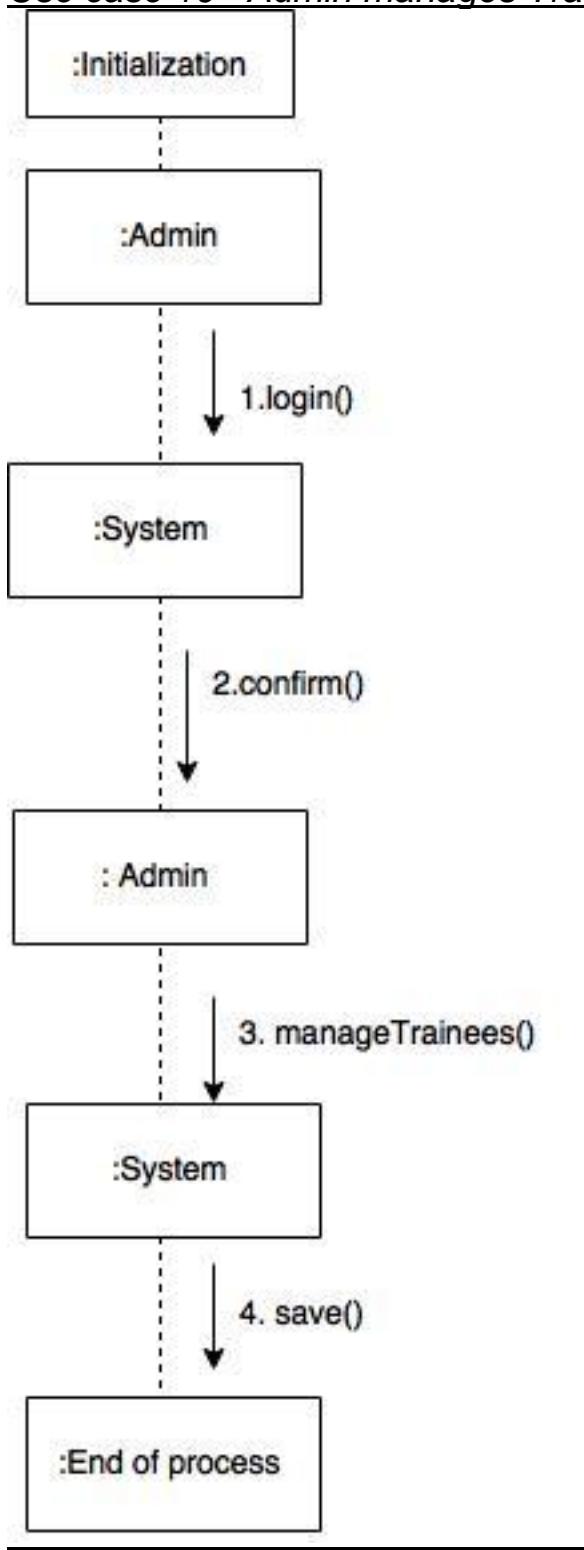
Use case 08 –Admin manages website



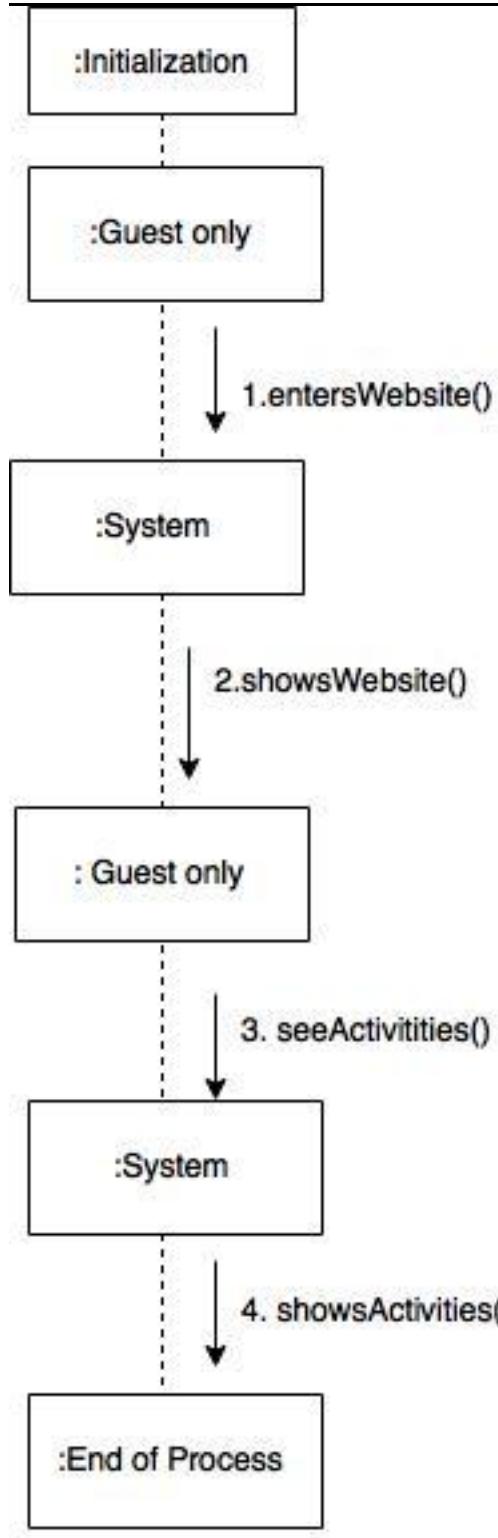
Use case 09 –Admin manages Courses



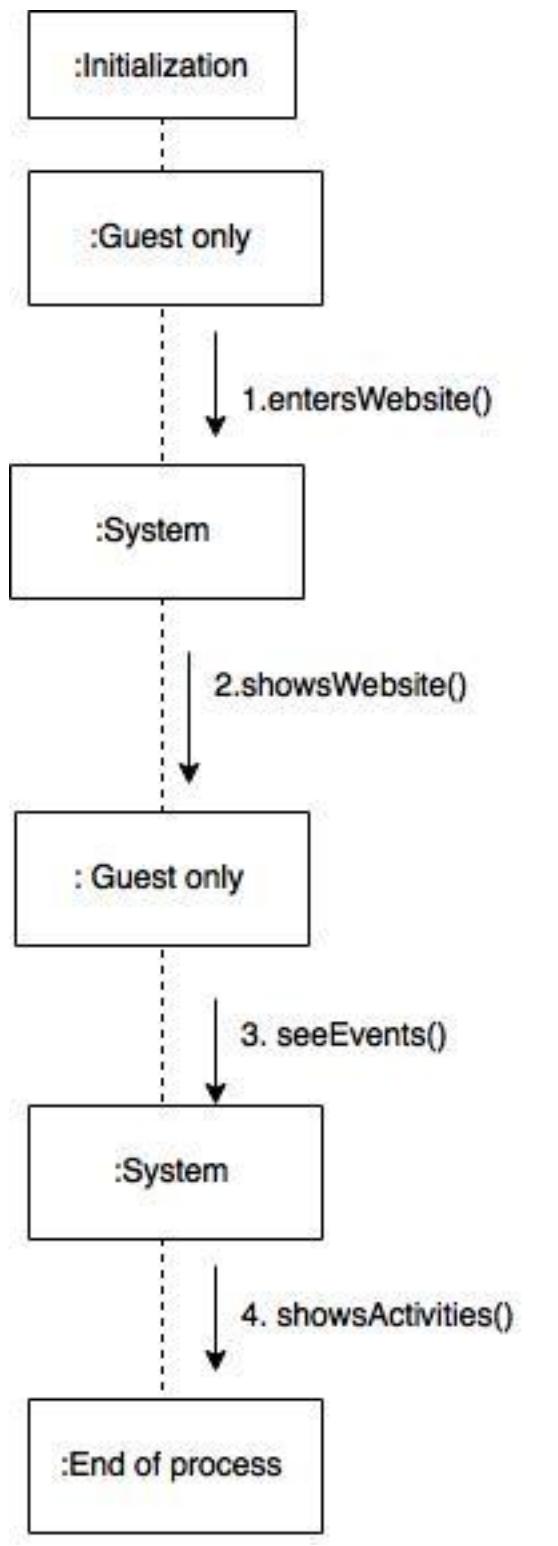
Use case 10 –Admin manages Trainees



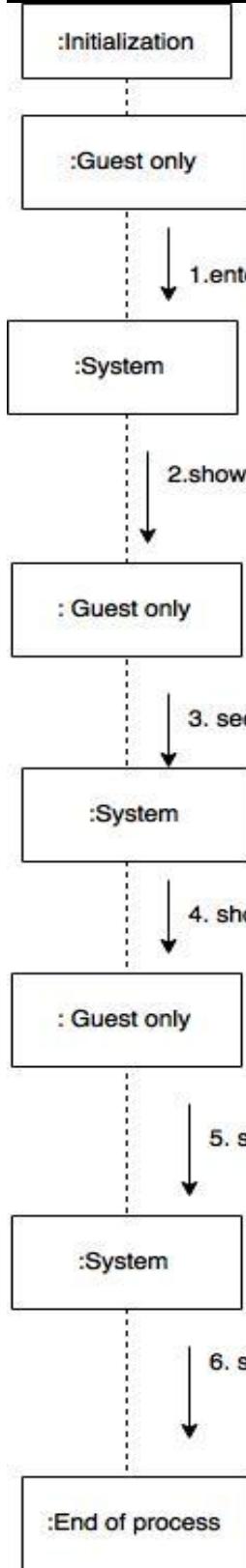
Use case 11 –Guest wants to see Activities



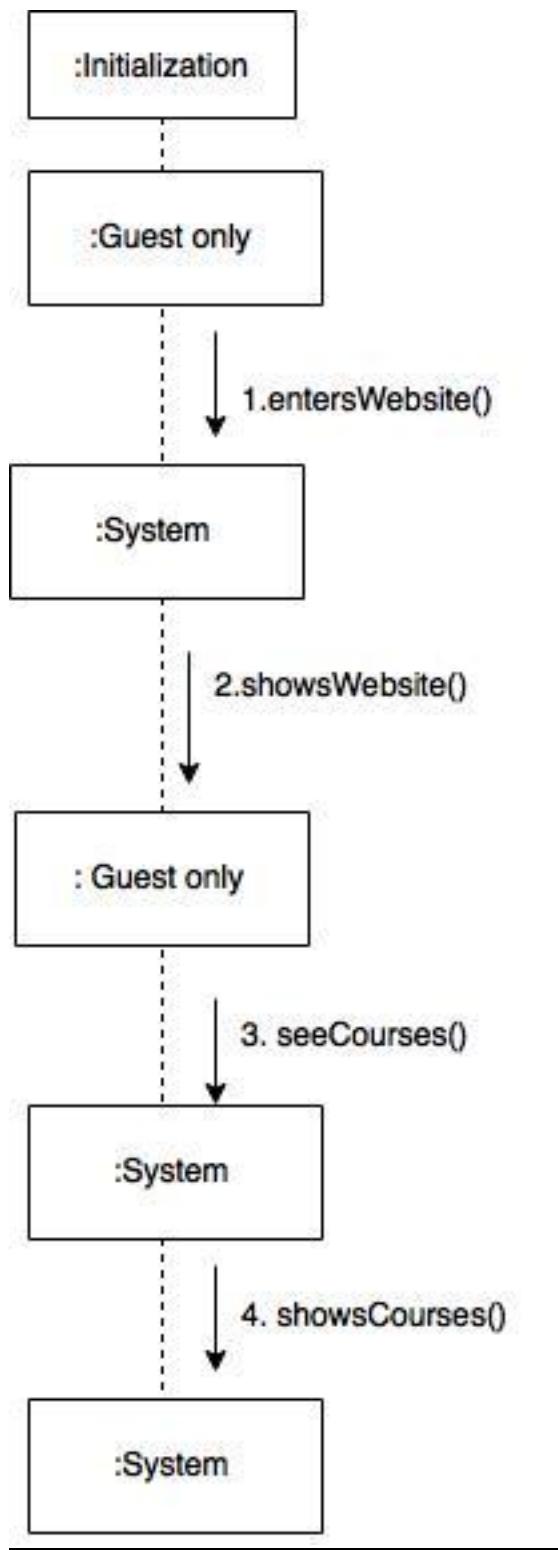
Use case 12 –Guest wants to see Events



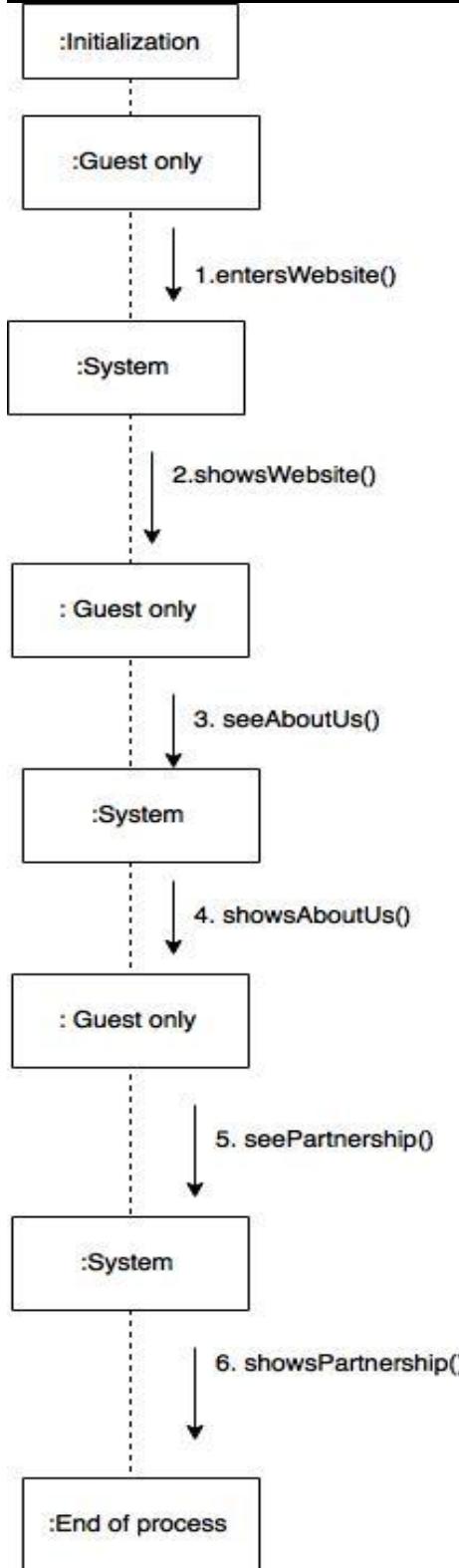
Use case 13 – Guest wants to see Donation Activities



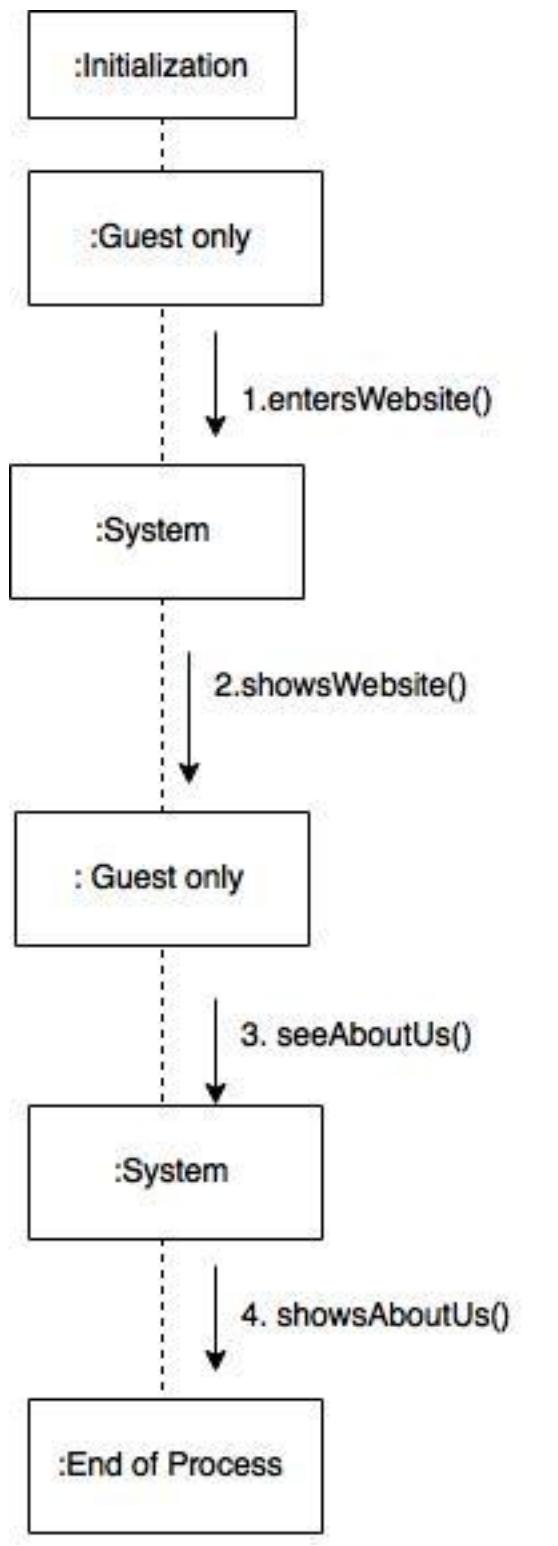
Use case 14 – Guest wants to see Courses



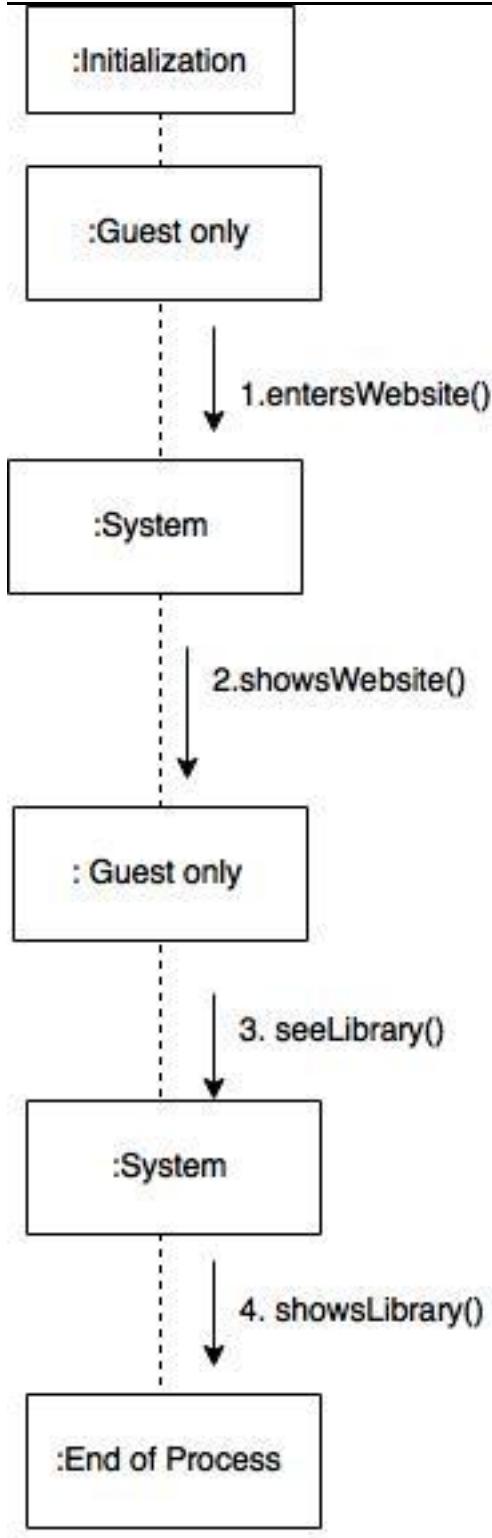
Use case 15 – Guest wants to see Partnership



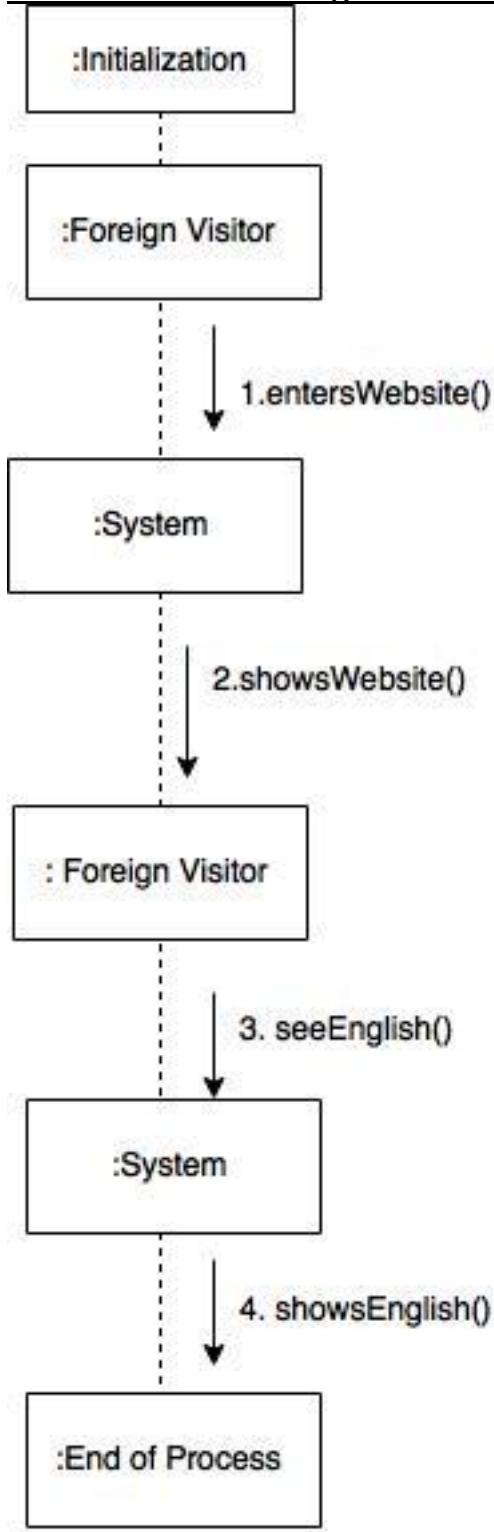
Use case 16 – Guest wants to find relevant information



Use case 17 – Guest wants to see Library

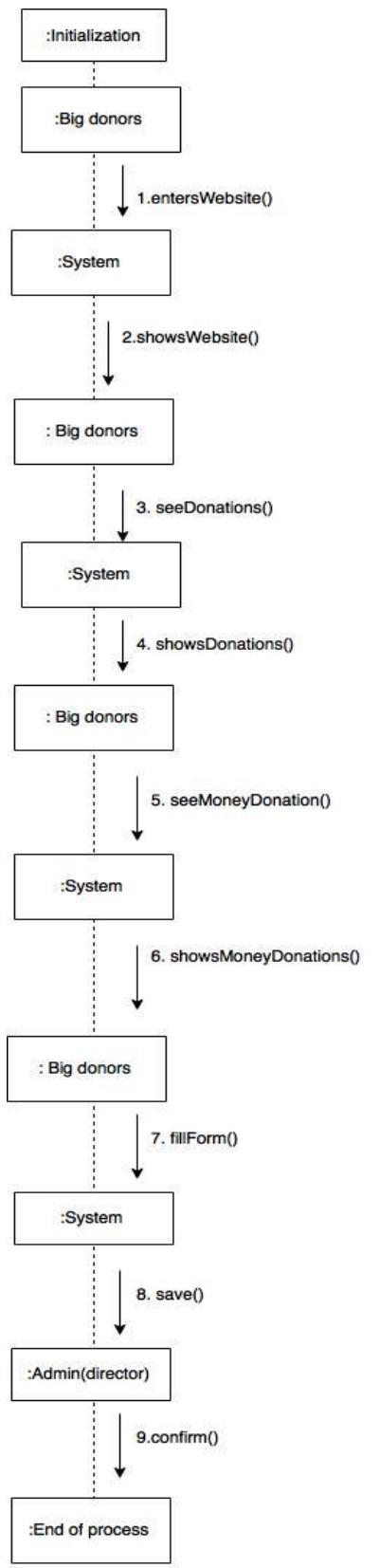


Use case 18 –Foreign Visitor wants Information in English

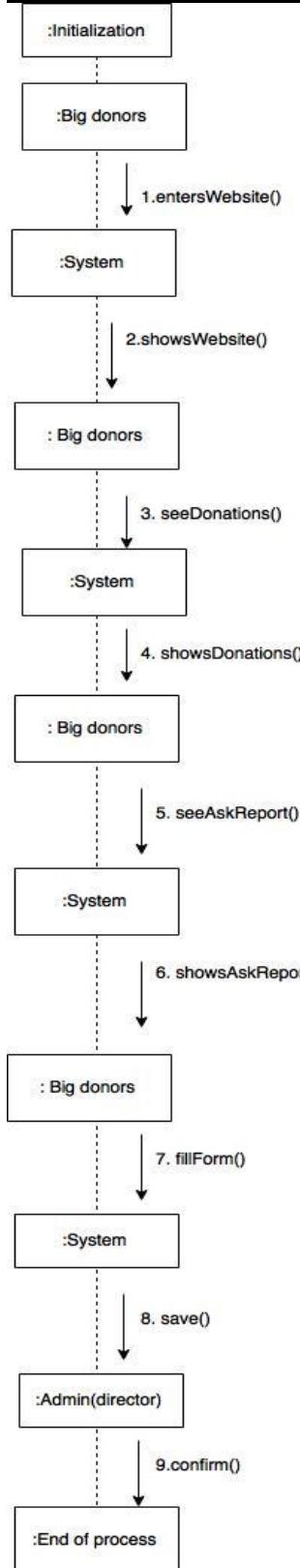


Use case 19 –Big donors want to donate money

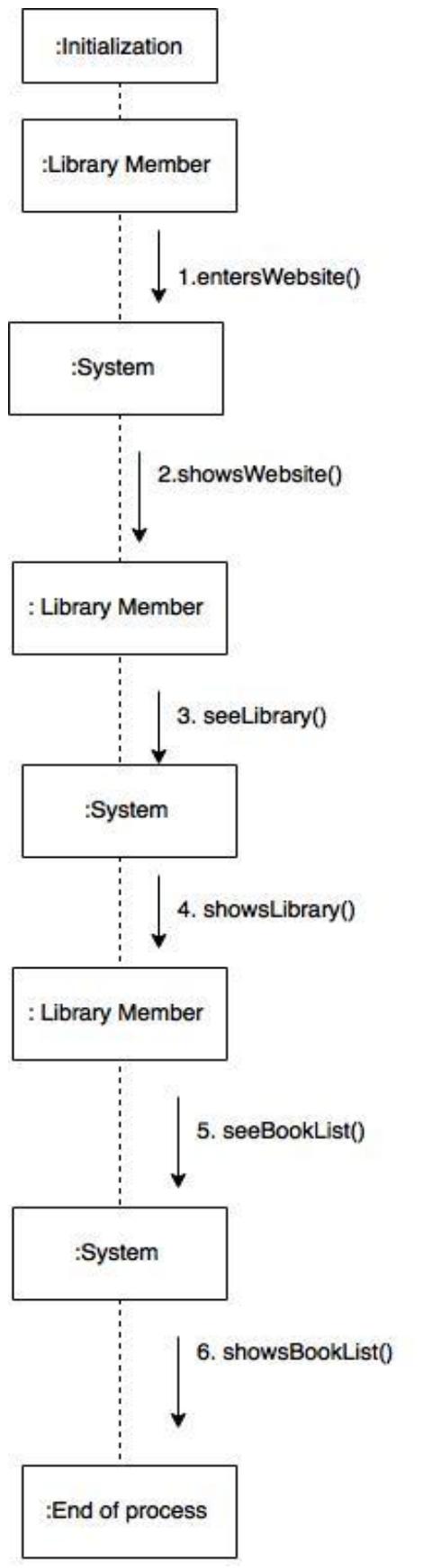
YWCA Requirements Specification



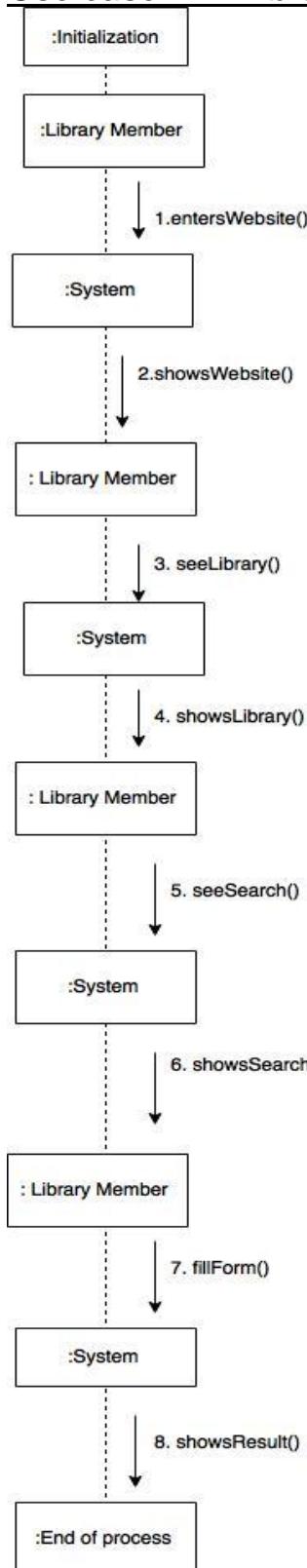
Use case 20 –Big donors want to ask report



Use case 21 –Library Member wants to view Booklist

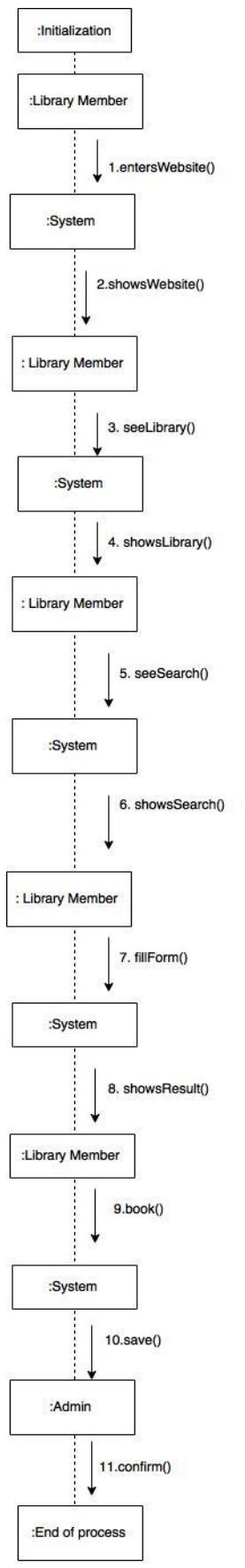


Use case 22 –Library Member wants to search a book

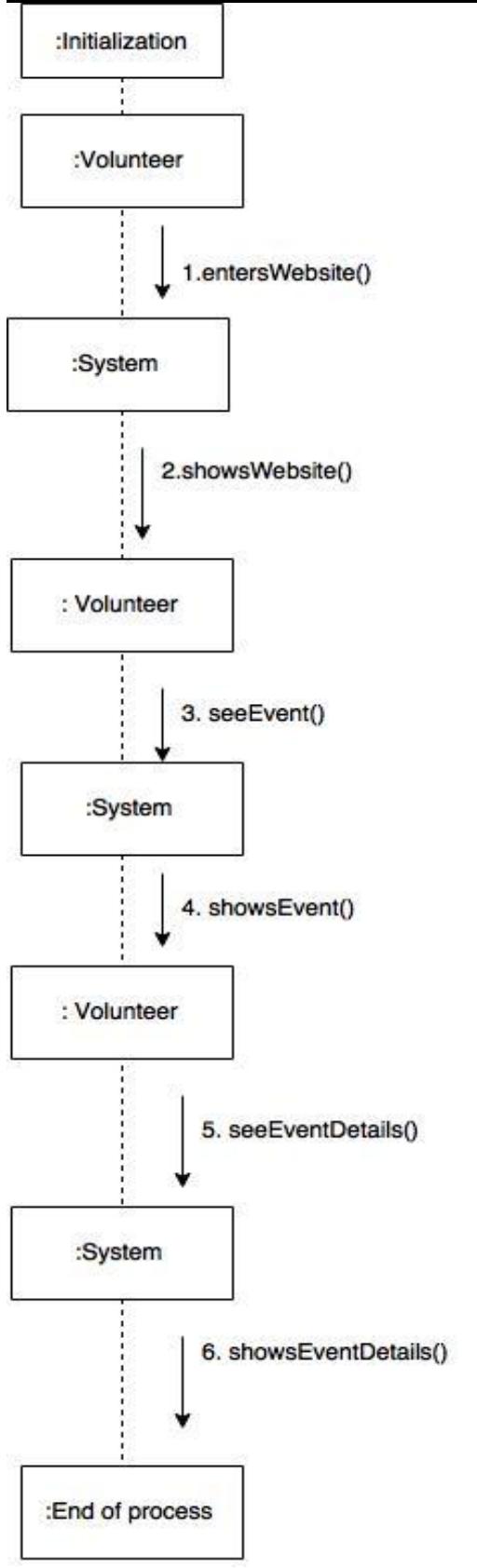


Use case 23 –Library Member wants to Book a book

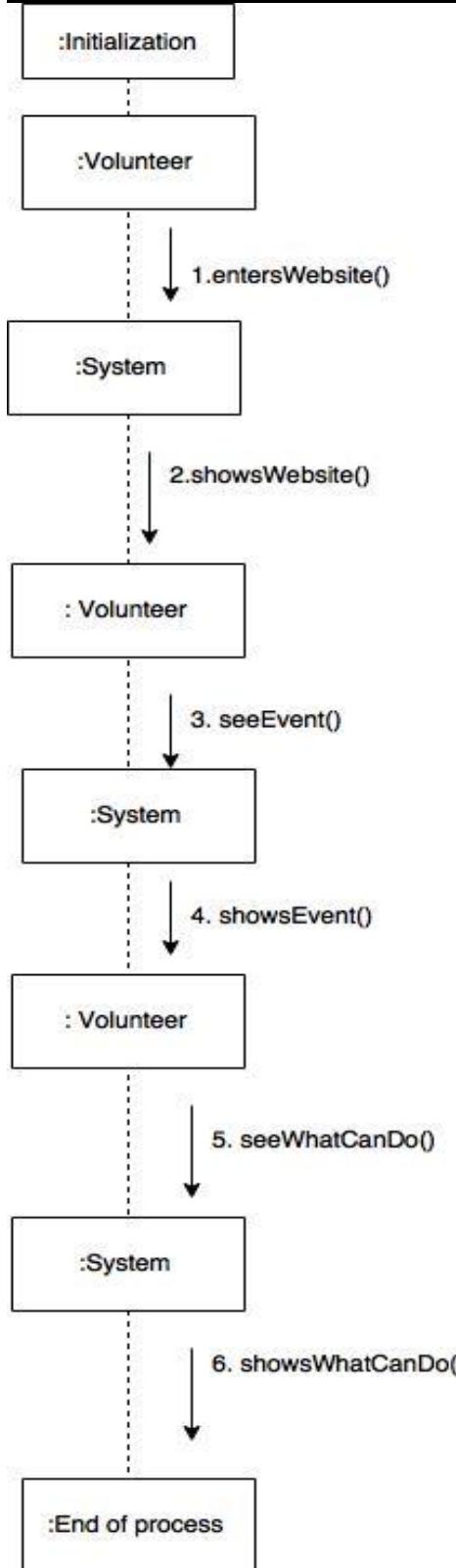
YWCA Requirements Specification



Use case 24 – Volunteers want to see Upcoming event details

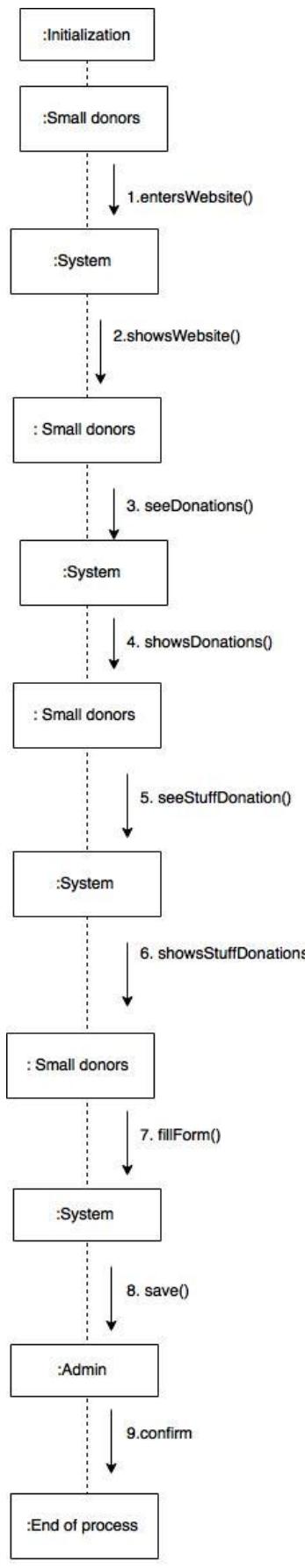


Use case 25 – Volunteers want to see what can it do

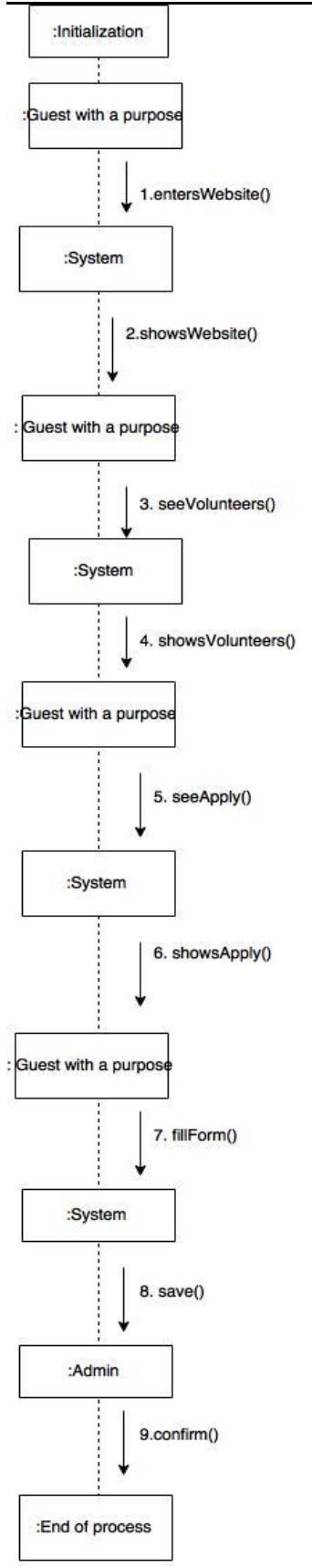


Use case 26 – Small Donors want to donate stuff

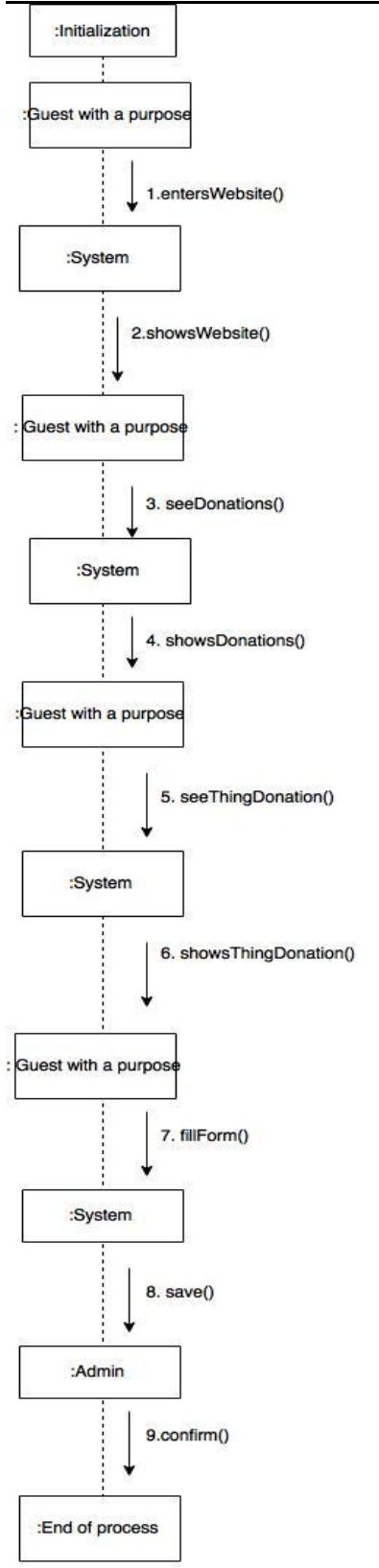
YWCA Requirements Specification



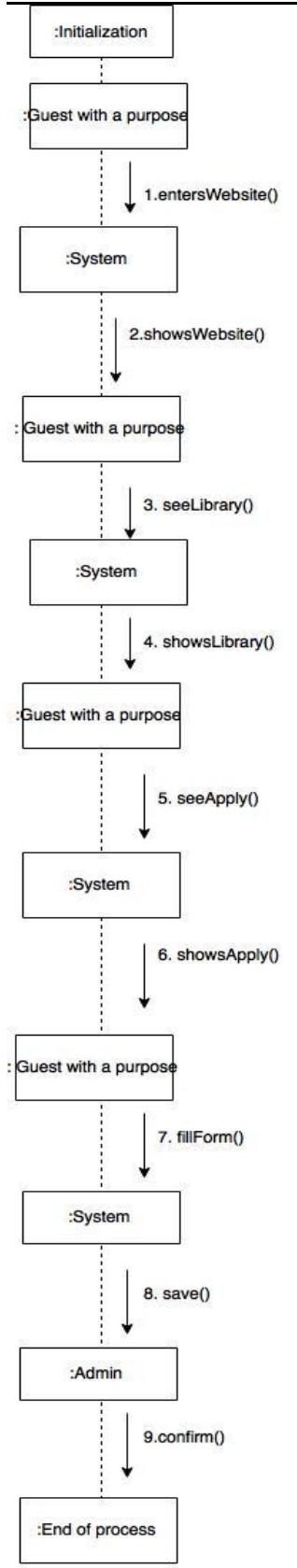
Use case 27 – Guest with a Purpose to be a Volunteer



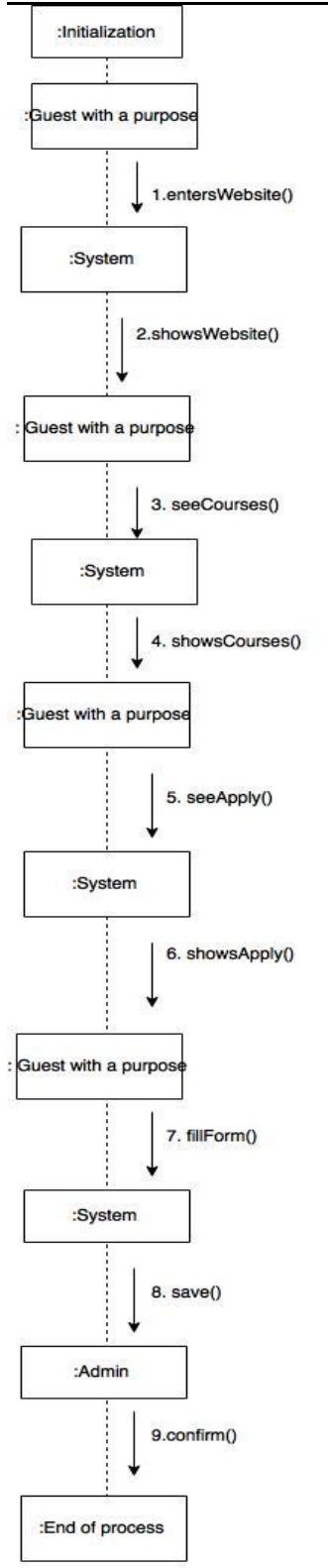
Use case 28 –Guest with a purpose to donate



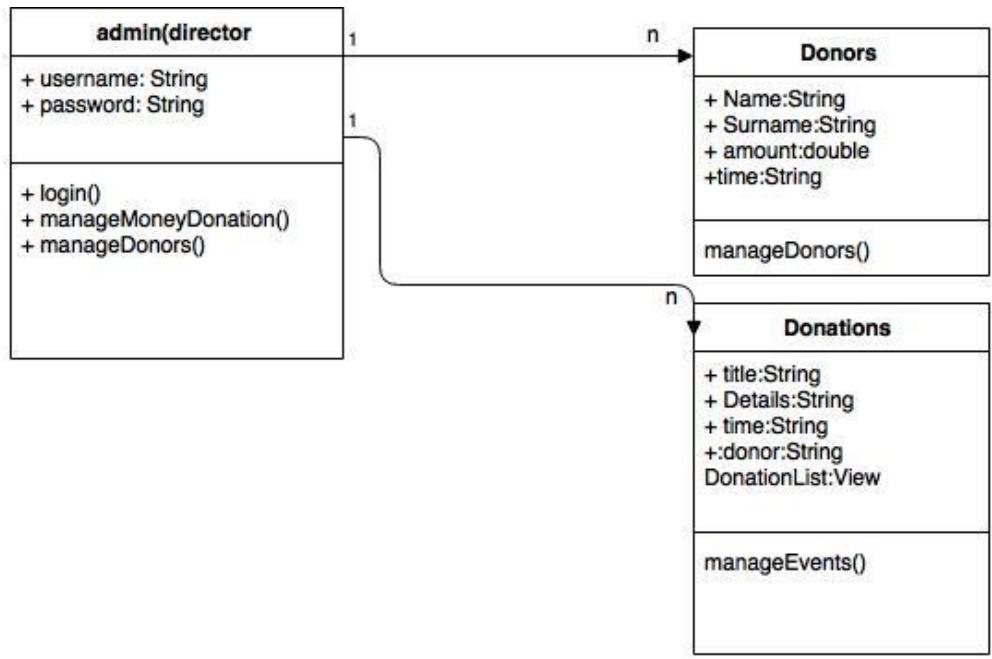
Use case 29 – Guest with a purpose to be a Library member



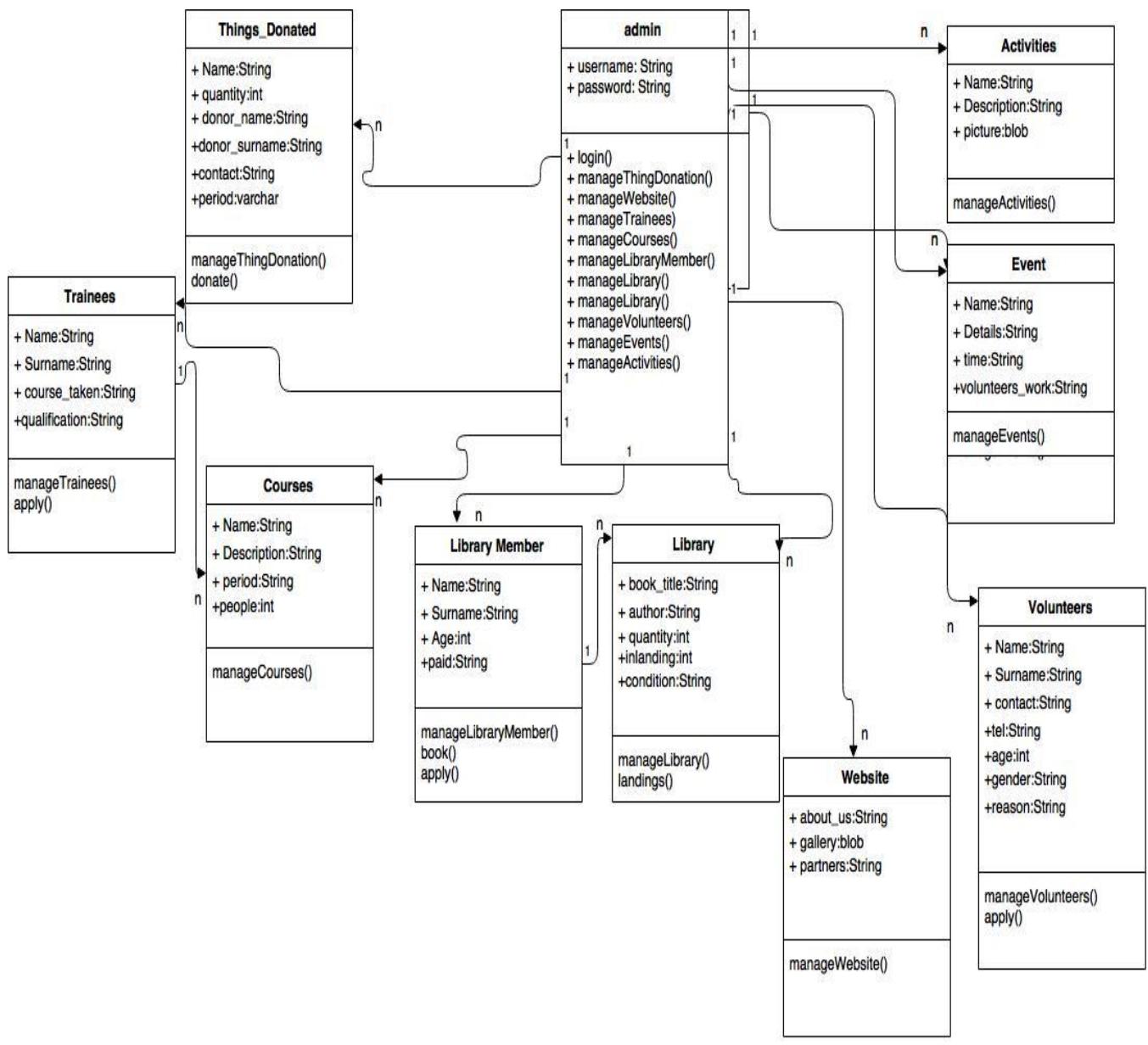
Use case 30 –Guest with a purpose to be part of a course



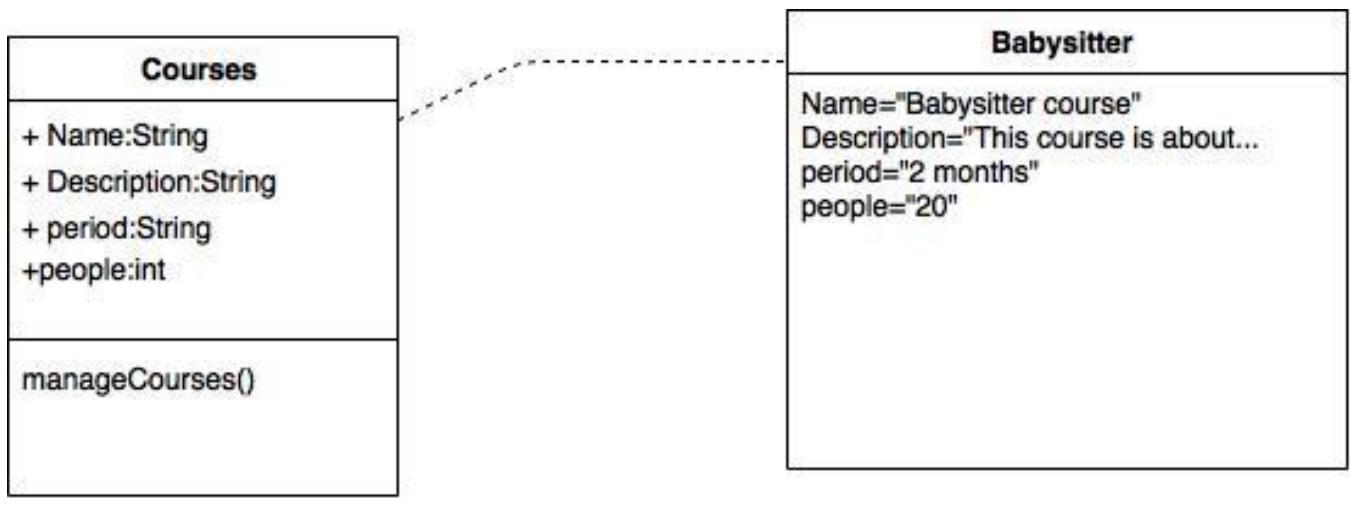
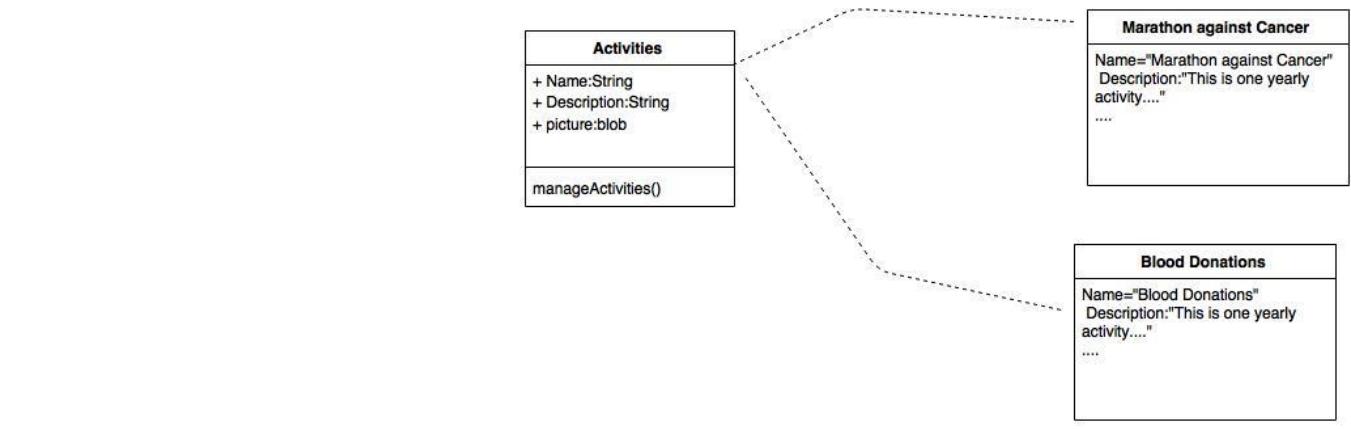
Class Diagrams



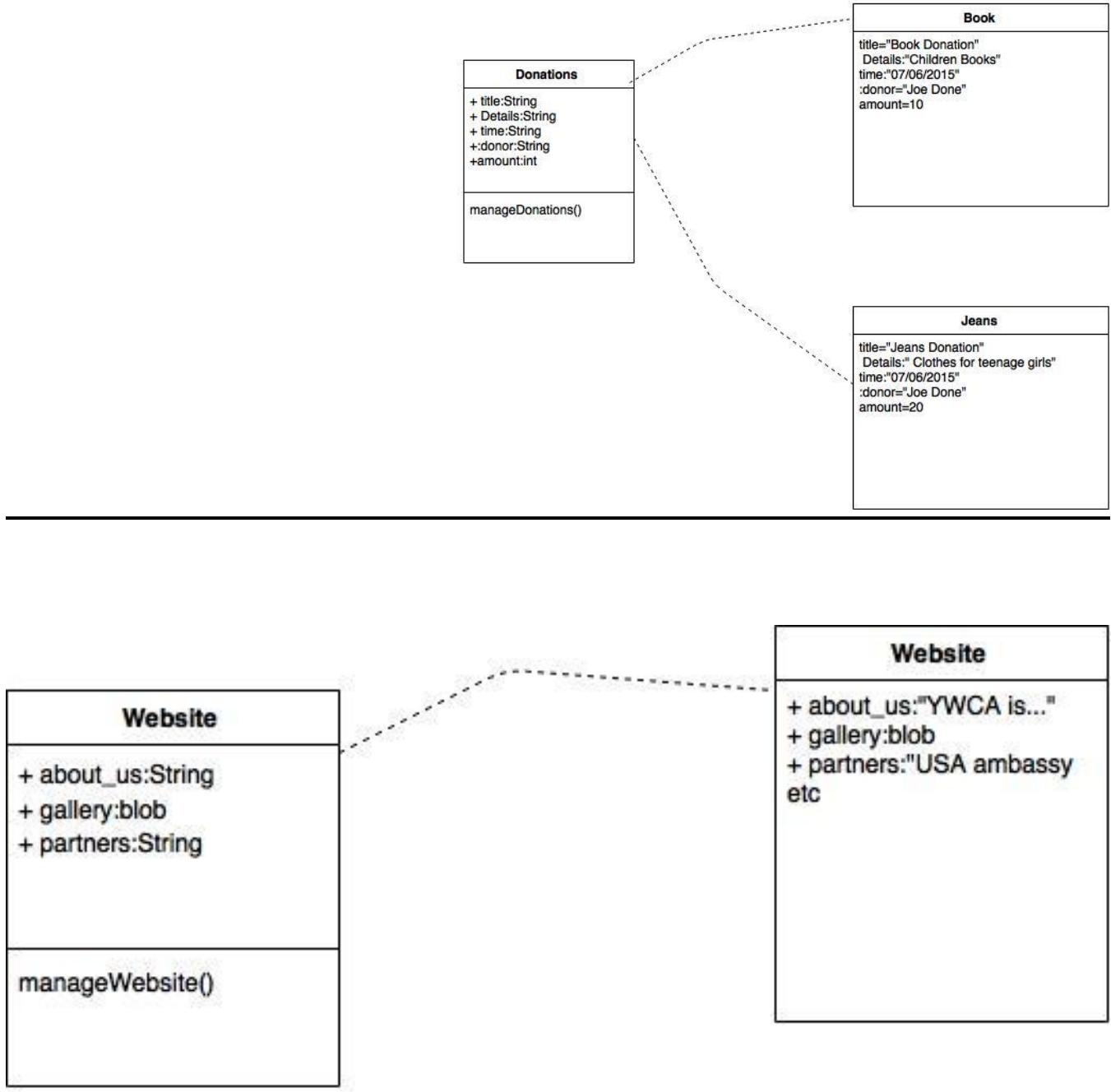
YWCA Requirements Specification

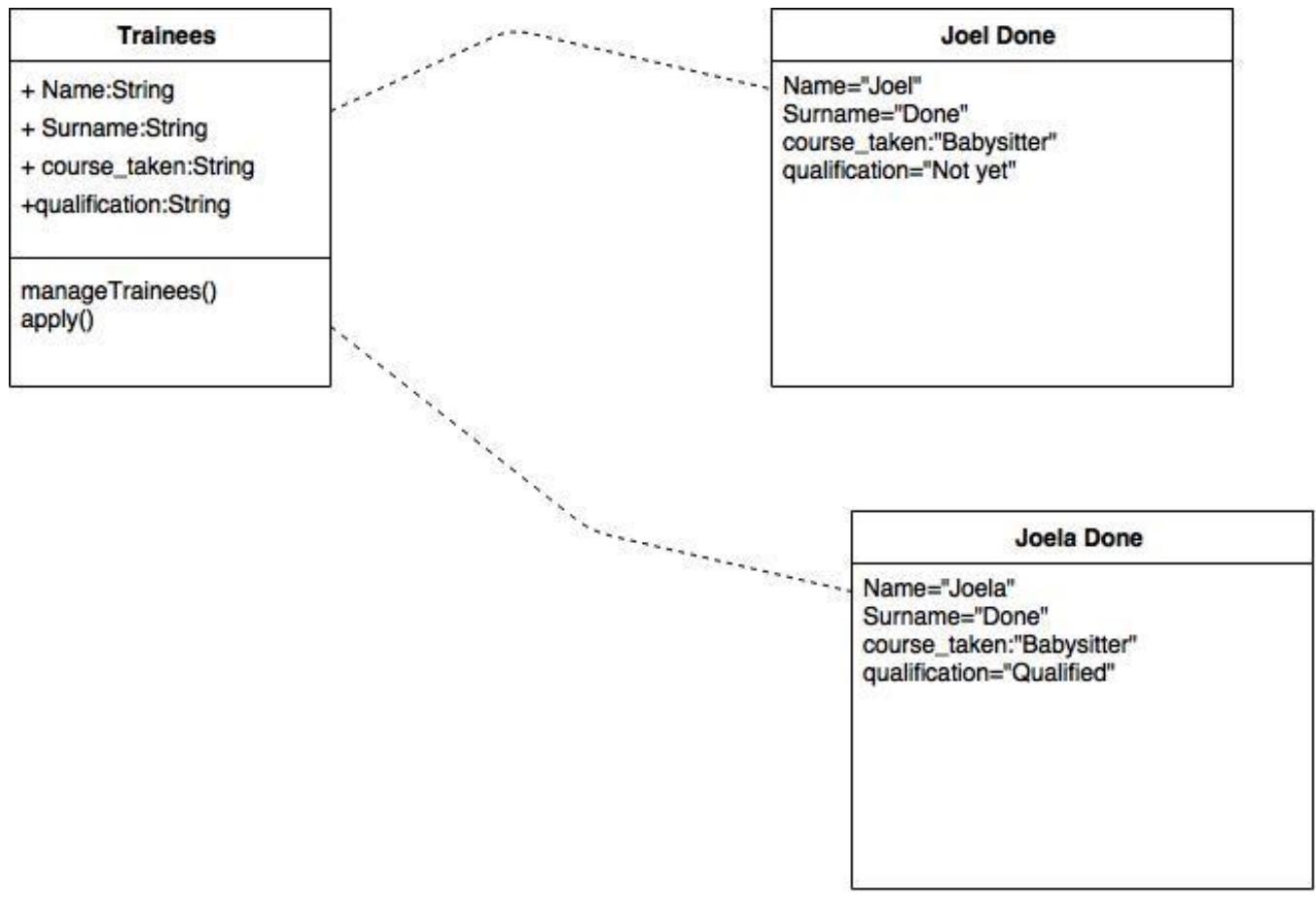


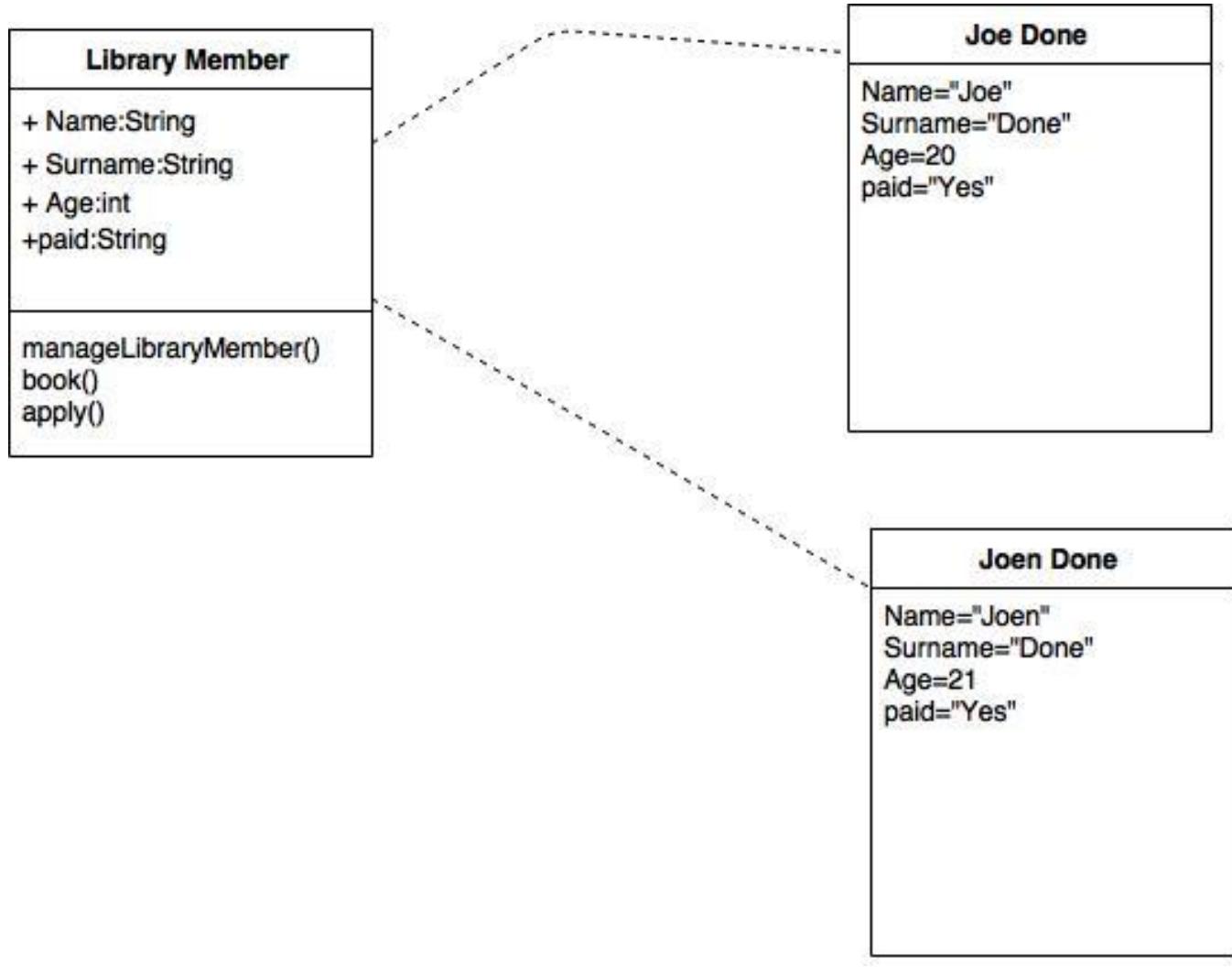
Object Diagrams

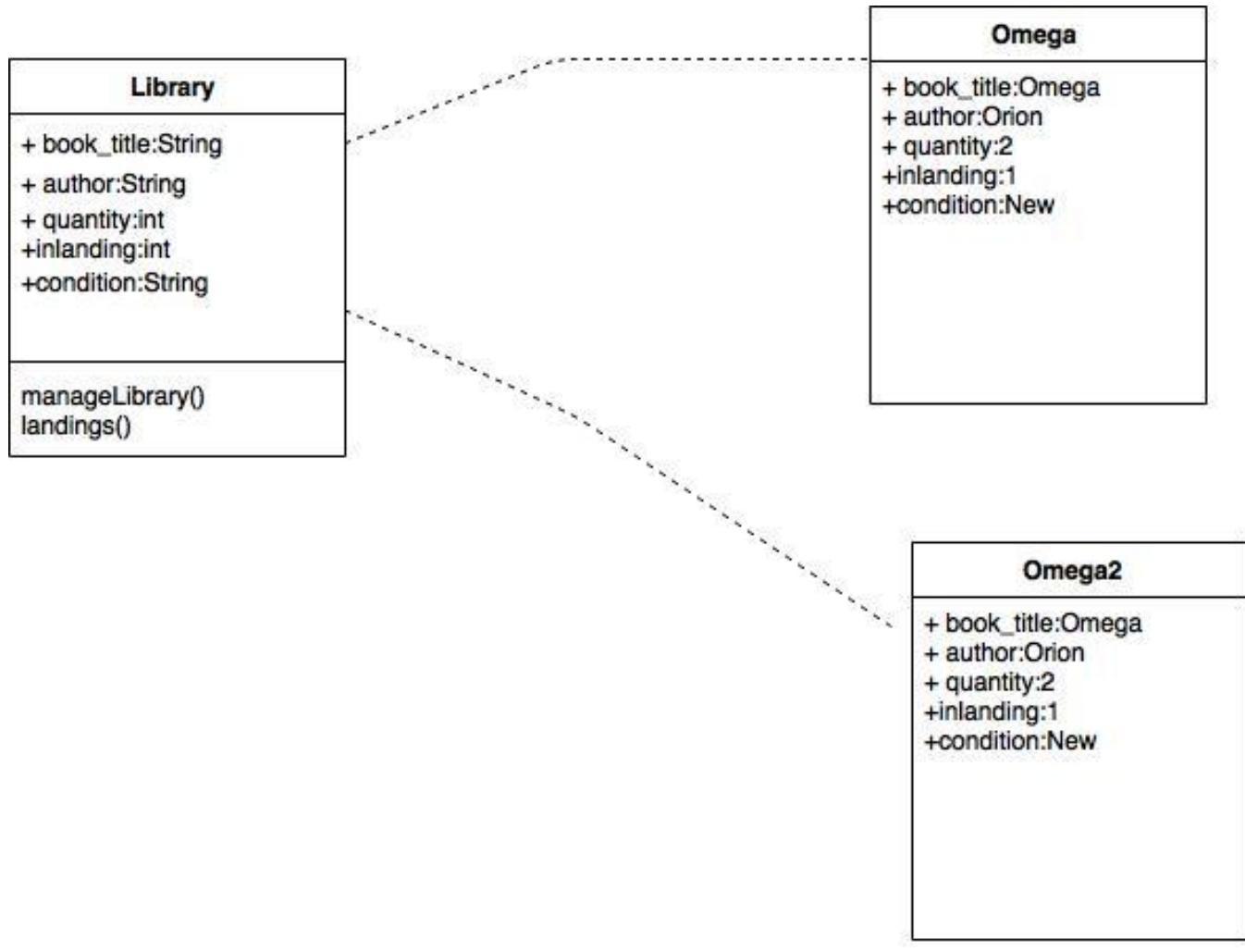


YWCA Requirements Specification

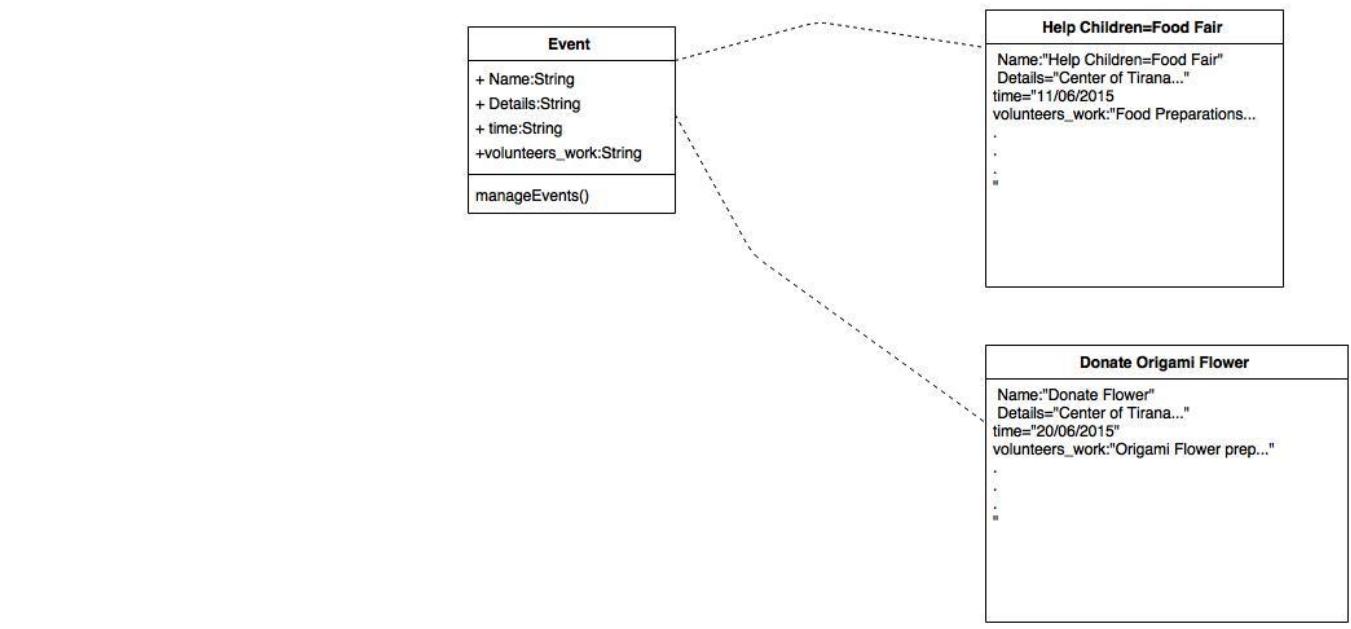


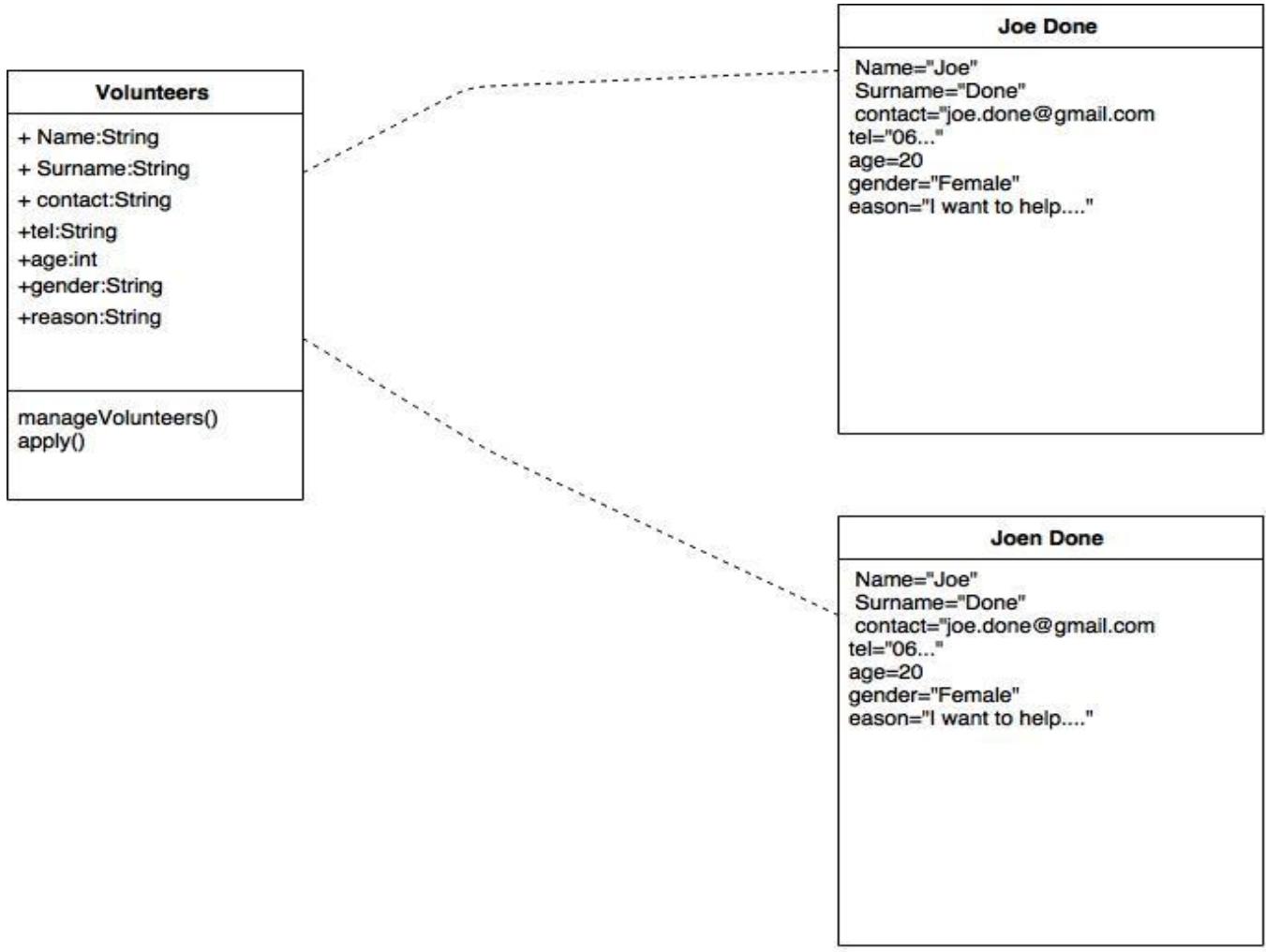




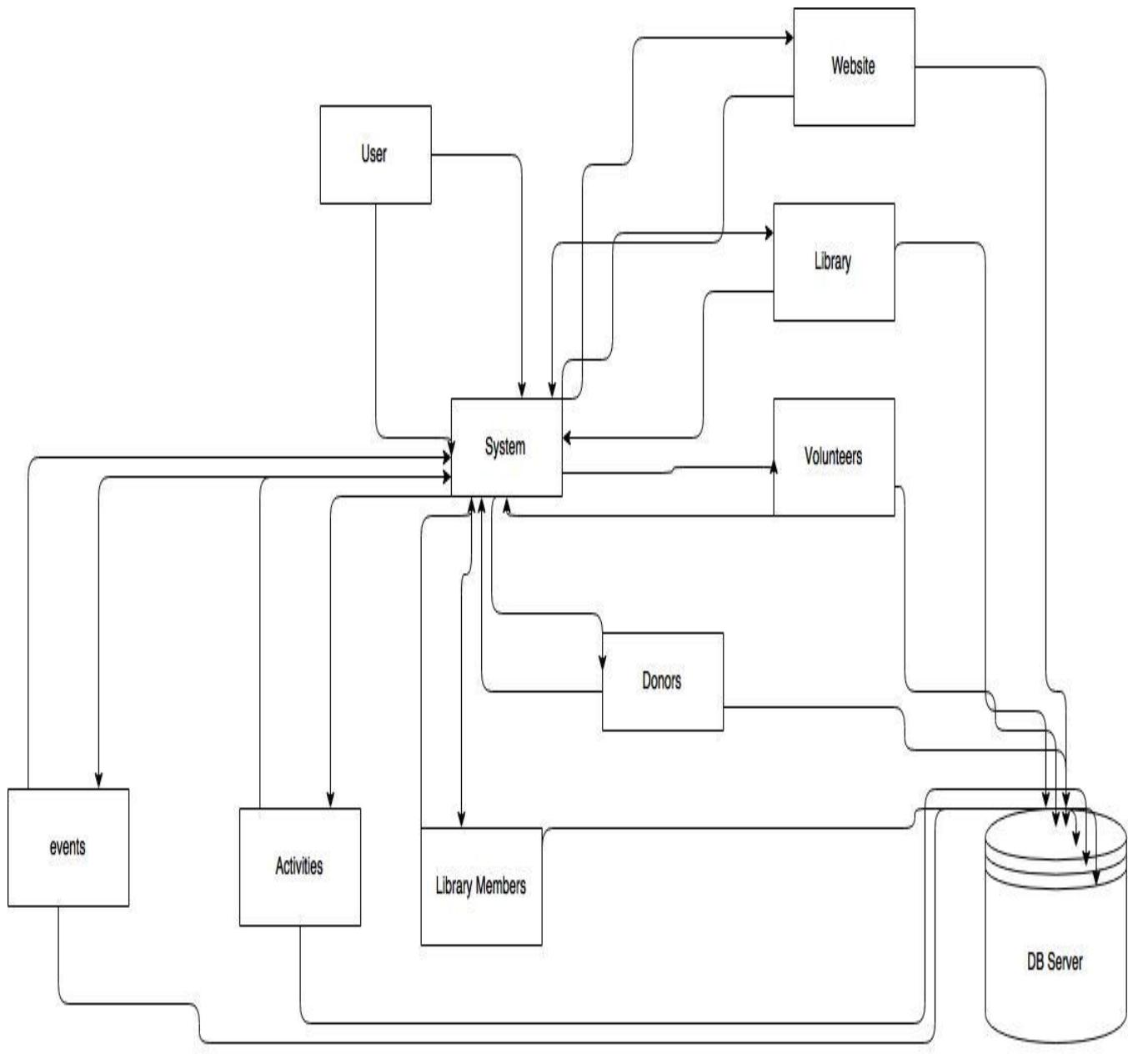


YWCA Requirements Specification

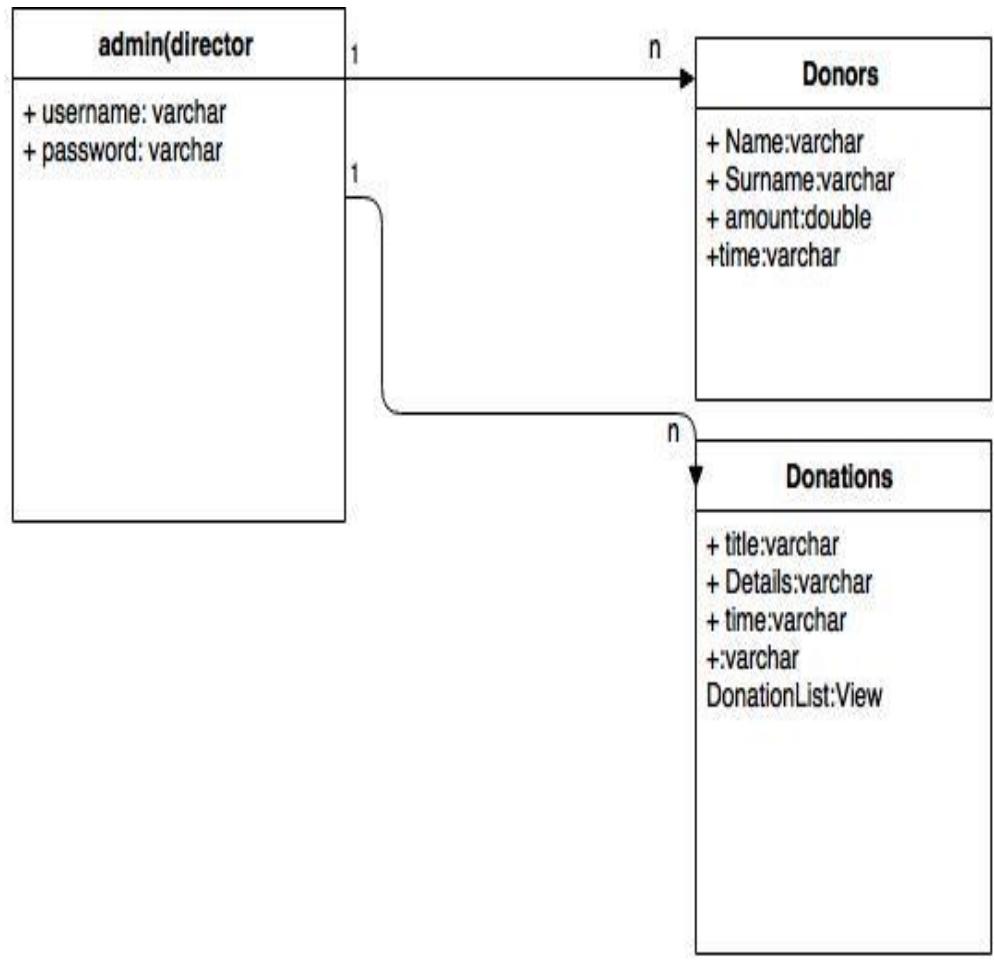




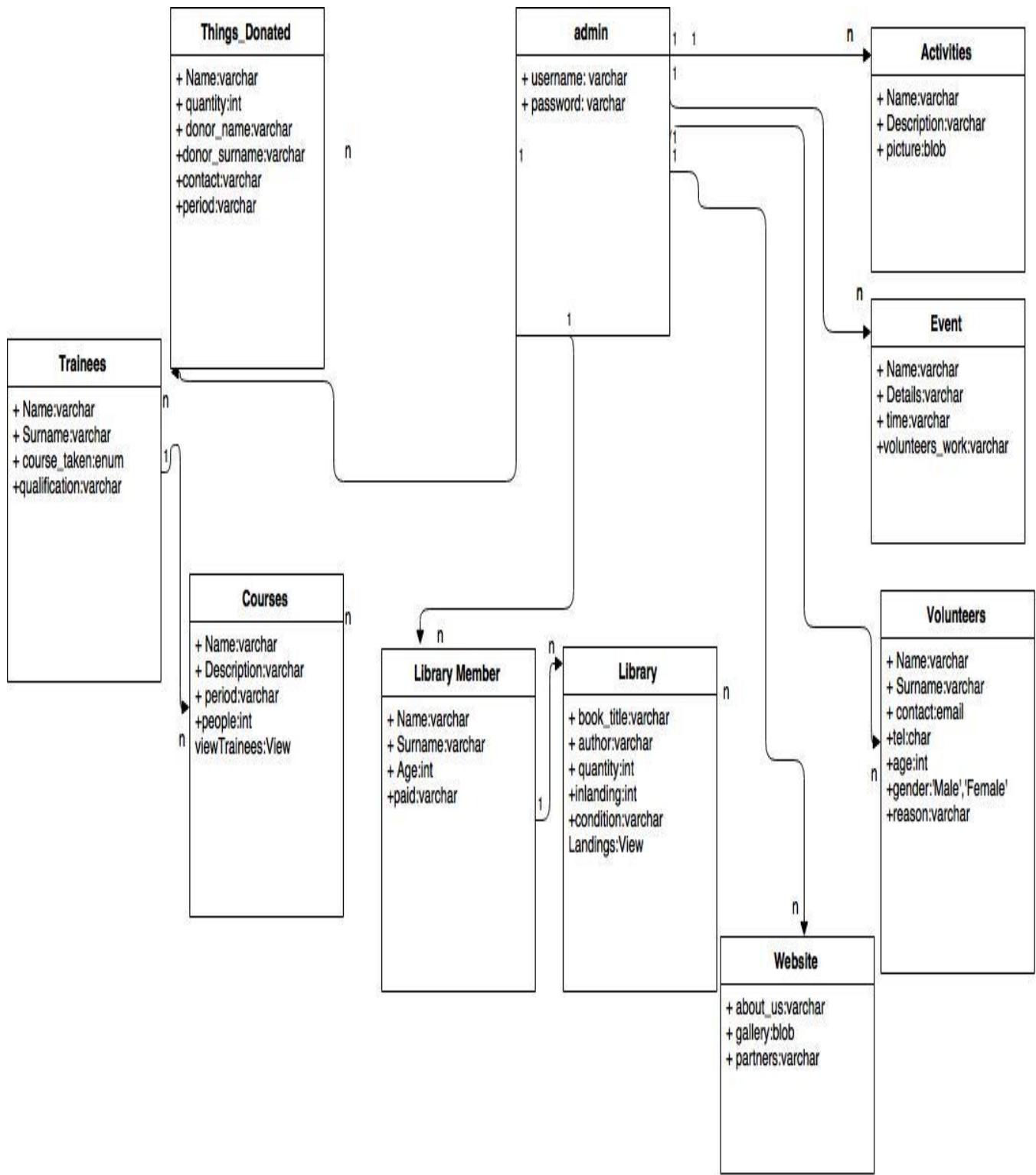
Data Flow Diagram



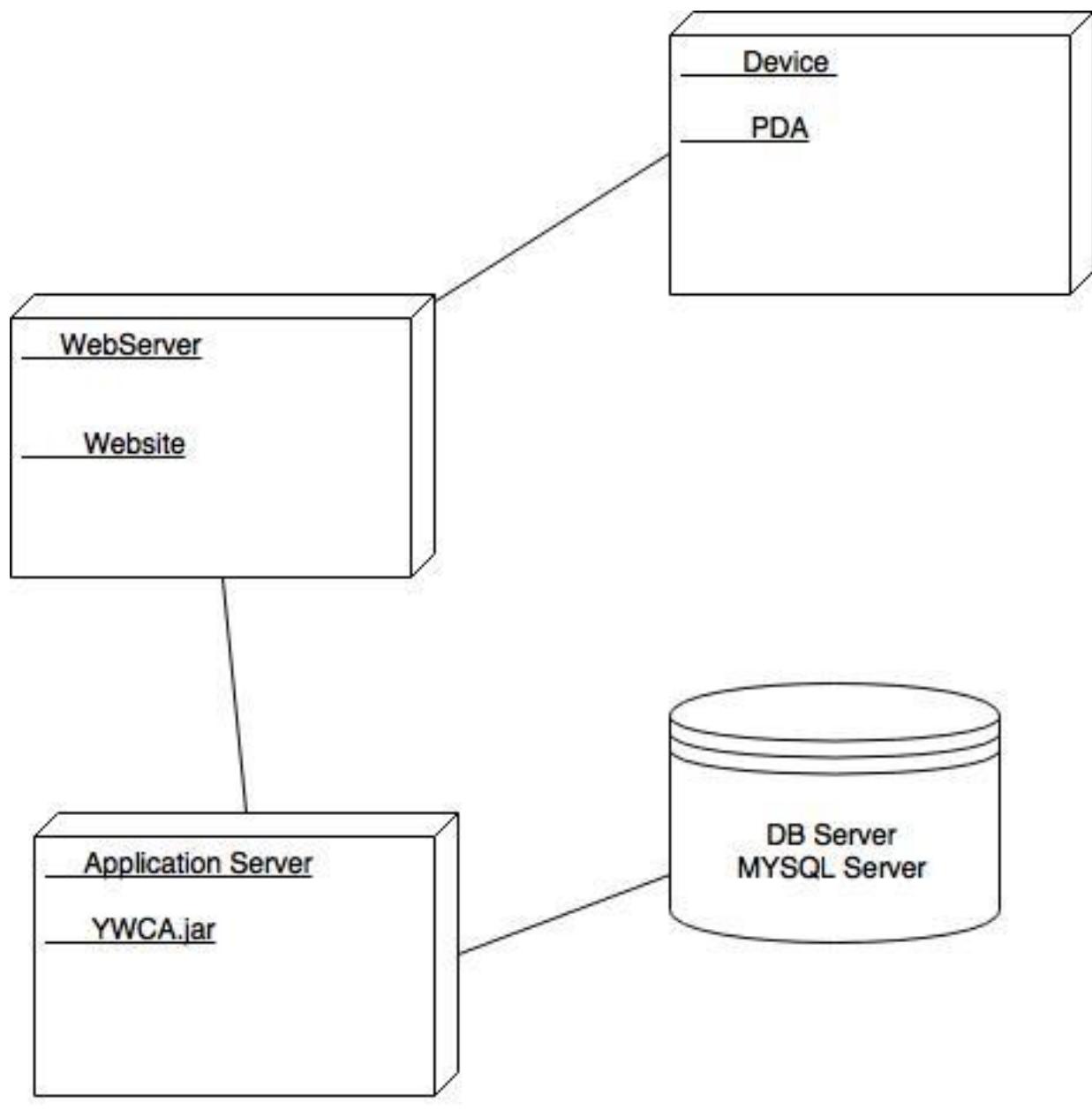
Entity Relationships Diagram



YWCA Requirements Specification



Deployment Diagrams



1.8 User Interface Requirements

The web page should be easy interacted and easy to work with. The template should be woman-based, since most of the people that are going to visit the webpage are women and girls. The application form for volunteers should be online and submitted directly to the database of the YWCA, so the admin can see the new applications. The errors should be handled so the whole software should be modifiable. The 2 admin panels should be easily handled because the people who are going to use it are people with basic computer knowledge.

1.9 Usability

Include any specific usability requirements, for example,

Learnability

- The donations module is another important feature in the web application creation. In this module the users can donate a certain amount of money or some other things by completing a simple form.
- The volunteer module is the other module that on its first sight it seems same as the donations module but has different features, the volunteer registration, their contribute on what they are volunteering and the participation on the foundation activities.
- The library management system, is a feature needed everywhere and that makes our life easier so it was vital to build a library management system. They had a functional library operating currently but it needed a complete management system and a database in order to keep all the books that are in the library and the ones that are borrowed from the users.
- The user documentation should be easy to understand and modify.
- The system should be easy to learn.
- The help should be context sensitive and explain how to achieve common tasks and its built purpose

1.10 Performance

Specify static and dynamic numerical requirements placed on the system or on human interaction with the system:

- Static numerical requirements may include the number of terminals to be supported, the number of simultaneous users to be supported, and the amount and type of information to be handled.
- Dynamic numerical requirements may include the number of transactions and tasks and the amount of data to be processed within certain time period for both normal and peak workload conditions.

All of these requirements should be stated in measurable form. For example, "95% of the transactions shall be processed in less than 1 second" rather than "an operator shall not have to wait for the transaction to complete".

1.10.1 Capacity

The system should have a database that would have memory enough to handle the requirements of YWCA Albania. The database should be big enough to handle all data they have collected since their creation at 1999 until now beginning from the data of the activities, organized courses, and volunteers and donators registrations forms and everything else. The required software must be able to support at least 2 administrators and a considerable number of users.

1.10.2 Availability

The system should be online any time, available for the users that want to interact with it at any time and to achieve this it must be workable and fully completed and of course the most important thing to be error handled.

So to achieve availability the key feature is testing. And is our job to test it very often using the methods that we have learned in the lessons in order to achieve to be available at any time ready for the users.

In order for our software to be available in a wide geographic area we will put in the server and online published also so no worries for the users because they can access it from everywhere they are.

1.10.3 Latency

The volunteers that have apply for a service from the online application form should have to wait for maximum 2 days to have a response from YWCA. The same is also for the donators. These are the only latencies.

1.11 Manageability/Maintainability

1.11.1 Monitoring

We have decided that no monitoring is to be held, only maintenance is provided.

1.11.2 Maintenance

The admin panel should maintain the webpage : should update and maintain the activities, agenda, library management system, and all the applications done from the donators and from the volunteers.

The other panel is the one of the director of the association and he should update and maintain the budget, donation and the economy of the association.

1.12 System Interface/Integration

The system should have a database, a big and working database that all the information will be kept, data of the association from 1999 until today, for all the activities, courses and everything else done on these years.

1.12.1 Network and Hardware Interfaces

The system should be published online in order to be working and easy to interact from the users and to achieve this the system should have a server to maintain it and we have choice the school server for this purpose because it is big enough and working all the time.

1.13 Security

1.13.1 Protection

The server on which the YWCA resides will have its own security to prevent unauthorized access. There is no restriction on accessing the web application many users and stakeholders.

There is no special protection built into this system other than to provide the legal access. Encryption is also used in the web application for a detailed and security of the web page and prevention of malicious users and bad intentioned user interaction. Others security precautions are taken into account like : activity

logging in almost modules of the project, restrictions on inter module communications, data integrity checks and other methods learned before.

1.14 Data Management

As we said that the database will contain all the information for everything related to the web application if will be supporting and completing some requirements. It will contain information of all the used functions and modules, their frequency of use, data access rules, data entities and relationships, integrity constraints, units of measure data formats which is very important to be specified at the beginning, default or initial values. The database should have all the data clearly specified to which module they corresponds to, to be independent from each other. The information detailed for each activity that the association is organizing, information for each course and job trainings done there, the library information for all the books borrowed, the existing books in the library, and all the necessary information for the application form of donations and volunteering.

1.15 Standards Compliance

The requirements should be comfort to existing standards, policies, regulations and laws. Such traces are needed for some applications to meet minimum regulatory or financial standards.

Portability

If portability is a requirement, specify attributes of the system that relate to the ease of porting the system to other host machines and/or operating systems. For example,

User Scenarios/Use Cases

Provide a summary of the major functions that the product will perform. Organize the functions to be understandable to the customer or a first time reader. Include use cases and business scenarios, or provide a link to a separate document (or documents). A business scenario:

- Describes a significant business need
- Identifies, documents, and ranks the problem that is driving the scenario
- Describes the business and technical environment that will resolve the problem
- States the desired objectives
- Shows the “Actors” and where they fit in the business model
- Is specific, and measurable, and uses clear metrics for success

Deleted or Deferred Requirements

Identify any requirements that have been deleted after approval or that may be delayed until future versions of the system. For example:

Req#	Business Requirement	Status	Comments	Pri	Date Rvw d	SME Reviewed /Approved
BR_LR_01	The system should validate the relationship between Bargaining Unit/Location and Job Class.	April 2005: Deleted. This requirement has been replaced by BR_LR_036 and BR_CC_33.	Business Process = "Assigning a Bargaining Unit to an Appointment"	1	7/13/04	Bob Dylan, Mick Jagger
BR_LR_02	The system should validate that the supervisor indicator is correct according to job class. Deferred to Phase 2B: 3/29/2005	April 2005: Deferred to Phase 2B.	Business Process = "Assigning a Bargaining Unit to an Appointment"	3	7/13/04	Bob Dylan, Mick Jagger

YWCA Requirements Specification

BR_L R_03	The system should derive the bargaining unit code, union code, and supervisor indicator from the job class code and location.	April 2005: Deleted Replaced by BR_LR_16 and BR_LR_17.	Business Process = "Assigning a Bargaining Unit to an Appointment"; This will eliminate the need, typically, for the user to enter the bargaining unit code, union code and supervisor indicator.	1	7/13/04	Bob Dylan, Mick Jagger
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Requirements Confirmation/Stakeholder sign-off

Include documentation of the approval or confirmation of the requirements here.
For example:

Meeting Date	Attendees (name and role)	Comments
20/03/2015	Elton Llulla, Group leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	This was the first meeting of our group and after a short discussion of the group members and our position we decided the positions of each member of the group that are like stated here. But the most important thing we decided that all the group members are equal and should help each other in everything. We will try to remember always that things are never done alone.
27/03/2015	Administrator of YWCA web application YWCA director Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Xhoena Polisi, Technical Project Manager	Some of our group members had a visit in the association offices and met the administrator, the person that was responsible for the maintain of web page. There we had a conversation with her and with the director of the association, discussed the requirements of them, the current web application and the idea of modification or redesigning of the existing web page.

31/03/2015	Igli Hakrama Supervisor Elton Llulla, Group leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	In this meeting we had a short meeting with the supervisor of our projects that in fact is our professor and after stating him their requirements but not in details as we and not yet specified their requirements and took the supervisor point of view related to the requirements and what are the possible things that we could do.
02/04/2015	Elton Llulla, Group leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	This meeting was held at Epoka University Student Clubs offices and we made the decision to analyze their requirements, the web application, and then to decide what can we do, will we remake the existing web application or we will modify the current one. Can we fulfill their requirements or we will list our own requirements and start by them.

06/04/2015	Albana Roci Supervisor Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	This meeting was held at the Epoka University Campus. In this meeting after having a discussion with the other advisor we decided that until the next meeting each of our group members should prepare a list of the required specifications, to have a detailed analyze of the current web application and give some conclusions of what was wrong, what should be redone, are all the buttons working in order to have a detailed and cleared document of the requirements for the next meeting.
10/04/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	This meeting was held at Epoka Cnteen. After meeting the representatives of the YVCA association, and analyzing their current web page, everyone had prepared a list of the exact requirements that the software needed to have. Each member of the group listed all the elements that did not work properly, the ones that did not serve to any purpose and the other elements that were missing in order to have a clear view of what our work is and from where we need to start. Each of us was responsible of a certain number of requirements and their duty is to thing how we are going to complete them.

YWCA Requirements Specification

13/04/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	This meeting was held at "E per7shme", Tirane. As our supervisor stated we have to complete a Requirements Specification document and in this meeting we discussed about the fulfillment of this document. The fulfillment of this document is related to phase 2 of our project : Creation of a new web page, instead of modifying the existing one. Management of their data and activities online.
17/04/2015	Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager Mynevere Ismaili, Project Manager	Today in this meeting we are filling the Requirement Specification document and stated that we have to do: Two admin panels A dynamic web page, use their mission, activities. Donations, Volunteering module. Finance module. Library Management System.

20/04/2015	Igli Hakrama Supervisor Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	During this meeting our project supervisor was also present and we he gave us a clear view and analyze of the draft of the Requirements Specification that we submitted last week. We talked if what we did wrong, of what we missed, what was not clearly stated and uncompleted and a new rearrangement of the group duties and respective tasks was done. Every team member should correct the mistakes done on his/her part of the job and analyze further the requirements in order to complete them and add the necessary extra information.
25/04/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Xhoena Polisi, Technical Project Manager	In this week meeting we are dealing with the diagrams, activity diagram, class diagram, object diagram, use case diagram, sequence diagram, communication diagram, state diagram study, analyze and then complete them separately. With each of the diagrams we are offering the users a clear, user friendly web page, easy to use and deal with and for the administrator we are building a easy to maintain and easy to use web page.

30/04/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	In this meeting we are dealing with the collection of documents, the user cases, diagrams in order to see of what is missing, what is done wrong, to have the opportunities to correct them and in the next meeting we are studying user scenarios.
05/05/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	This week we are dealing with the user scenarios for the whole week period in order to finish them all. Day1: User scenario for Volunteers. Day2: User scenario for Donators. Day3: User scenario for using library. Day4: User scenario for administrator Day5: User scenario for administrator(continuous) Day6:User scenario for director Day7:User scenario for director (continuous) For the next meeting we will have an overview of this user cases and user scenarios and we will be dealing with the diagrams, activity diagrams, state diagrams.

10/05/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	Today we are discussing the results and the mistakes of the last week regarding to the user cases, user scenarios and all types of the diagrams that we have done. Today we have also completing our meeting reports with the detailed information needed, as date, place and decisions made at that day.
15/05/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	Today we are starting the software and we have divided the jobs. Each of us is dealing with some part of the code or with a module, one is doing the activities module, one is doing the donations module, some other is doing the volunteer module, some other the finance module, one the administrator panels as we have stated that we are doing two admin panels and until next week we should finish these tasks in order to connect the parts together.

21/05/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	Today we are connecting the modules that we have done individually in order to find out what goes wrong, and correct it to work properly. After all the modules are complete and working properly, it is time to start building the database. As we have stated they wanted a proper, big database that keeps all their data since the beginning of the association, means since 1999. And we have distributed the works to each member in order that each of us is dealing with some certain tables and their respective attributes.
27/05/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	Today we are continuing and finishing the database, in order not to deal with it again because we do not have too much time and we have to finish all the software and perform the testing part and start printing the book of our project and preparing the presentation for it.

02/06/2015	Elton Llulla, Team Leader Mynevere Ismaili, Project Manager Lejla Islami, Technical Project Manager Sabina Qoli, Technical Analyst Sonila Leka, Technical Analyst Xhoena Polisi, Technical Project Manager	After doing the testing part of our software our web application is ready now and we are ready also to have a group presentation and getting the feedback from the supervisor. We are happy and tired and the same time and we are hoping that at the end of the day we will get a good grade. This is the last group meeting and we have enjoyed and learned a lot, we will miss it.
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2. Test Case

2.1 Purpose of The Test Case Document

This Test Case document documents the functional requirements of the *<log in>* test case. The intended audience is the project manager, project team, and testing team. Some portions of this document may on occasion be shared with the client/user and other stakeholder whose input/approval into the testing process is needed. The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

2.2 Objectives

Test Case Tamer is a web-based Test Management tool used to create and store tests as well as the results of running those tests. This tool is a new product written with Ruby on Rails using a ‘mysql’ database. The test team is responsible for testing the product and ensuring it meets their needs. The test team is both the customer and the tester in this project.

Phase 1 of the project will deliver TCT (Test Case Tamer) with functionality to create and store manual tests. This will allow the test team to start transferring tests over to the new system. Must have functionality is considered more important than the delivery date in this project.

2.3 Risks

The following risks have been identified and the appropriate action identified to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

2.4 Test Case Specification

This is the most important and the crucial test case. If this test case fails than the whole software is thought to not work properly.

2.5 Description

The individuals involved in this test case are 2 of our group members, Elton Llulla and Sonila Leka. This is the first and most important test case since we have 2 admin panels in our project, one for the admin and the other for the director and the first requirement was the two admin panels and that is why this test case should be completed completely and correctly. We enter the user name and password, two vital elements taken from the database for log in and try to log in into both panels. As said previously the two individuals responsible for this test case was Elton and Sonila, because this was their job part in the software implementation, this is their association with the test case.

Test Case ID: Ywca_1

Test Priority (Low/Medium/High): Med

Module Name: Admin Login

Test Title: Verify login with valid username and password

Description: Test the admin login page

Test Designed by: <Lejla Islami>

Test Designed date: <08/06/2015>

Test Executed by: <Elton Llulla>

Test Execution date: <09/06/2015>

Pre-conditions: User has valid username and password

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Navigate to login page	User=islami12@epok	User should be	User is navigated to	Pass

	a.edu.alm	able to login		
2	Provide valid username	Password: 1234		dashboard with successful
3	Provide valid password			Login
4	Click on Login button			

2.3 Test Case Specification

The second test case deals with the Albanian and English language buttons..

2.4 Description

The individuals involved in this test case are 2 of our group members, Sabina Qoli and Xhoena Polisi. The second requirement is also important as it was a module that was not working in the current web page of the association and this was a big constrain to make their web page easy intractable for any kind of user especially foreign As said previously the two individuals responsible for this test case was Xhoena and Sabina, because this was their job part in the software implementation, this is their association with the test case.

Test Case ID: Ywca_2

Test Priority (Low/Medium/High): Med

Module Name: Language Buttons

Test Title: Verify English/Albanian language buttons

Description: Test the language version buttons

Test Designed by: <Sabina Qoli>

Test Designed date: <08/06/2015>

Test Executed by: <Xhoena Polisi>

Test Execution date: <09/06/2015 >

Pre-conditions: Users can have both the language versions of the web page.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)

			User should be able to click button and the expected version of the language page is provided	User is navigated to both versions of languages page	Pass
1	Navigate to E/A buttons				
2	English button			dashboard with successful	
3	Albanian button				
4	Click on these button				

2.5 Test Case Specification

This is the third test case and is one of the most important one as also presented in the requirements as one of the essentials module of the web application. This is the donate form test case.

2.6 Description

The individuals involved in this test case are 2 of our group members, Mynevere Ismaili and Elton Llulla. This module is very necessary since many of the activities and events of the association depends on this module. As said previously the two individuals responsible for this test case was Elton and Mynevere, because this was their job part in the software implementation, this is their association with the test case.

Test Case ID: Ywca_3

Test Priority (Low/Medium/High): Med

Module Name: Donators Form

Test Title: Verify the donators application form

Description: Test the submission of the form.

Test Designed by: <Lejla Islami>

Test Designed date: <08/06/2015>

Test Executed by: <Mynevere Isma

Test Execution date: <09/06/2015 >

Pre-conditions: Users can have both the language versions of the web page.

Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Donate Form		User should be able to fill the application form of the donate module.	The submit button works and the user donation is now submitted.	Pass
2	Submission			Dashboard with successful	
3	Application form				
4	Click on these button				

4.1 References

- [1] IEEE Software Engineering Standards Committee, "IEEE Std 830-1998, IEEE Recommended Practice for Software Requirements Specifications", October 20, 1998.
- [2] Feldt R, "re_lecture5b_100914", unpublished.
- [3] Davis M A, "Just Enough Requirements Management: Where Software Development Meets Marketing", New York, Dorset House Publishing, 2005.
- [4] Karlsson J, "A Cost-Value Approach for Prioritizing Requirements", Norges Teknisk-Naturvitenskapelige Uni. 1997