

## SOCIO- ACADEMIC USE OF ALUMNI COLLABORATION MANAGEMENT SYSTEM (SUACMS)

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**ABSTRACT**

*One of the valuable resources that academic institutions can have is Alumni. There is a need for alumni members to come under one umbrella where they can interact. Getting these alumni members together in order to share their views and information requires an interactive website. Designing collaborative site for alumni is becoming a paramount issue for every institution such as Universities, Colleges of Education, Polytechnics and even Secondary Schools. With the use of information technology, Socio-academic Use of Alumni Collaboration Management System should be put in place in order to gather broader information about alumni. This paper presents a forum where alumni members may chat and share ideas, where a direct link of communication between the institution and its alumni members can be managed and where social and educational opportunities for the members may be communicated. It explains the frameworks used in the implementation of the study, the scope and the significance of the study. The methodology of the new system was properly expatiated. The design architecture for the study was taken into consideration. Use Case Diagram (UCD) was used as the design tool for the system. The relationship between the actors and the system was deeply considered and evaluated. The choice of programming language and reason for it was stated. The system was properly tested and implemented. Screen shot of each page of the system and its purpose was discussed. Finally, the paper recommends that every academic institution, from primary to tertiary, needs to put in place alumni website because of its numerous advantages as explained in this paper.*

*Keywords: Alumni, System, Collaboration, Member, Management, Database.*

**INTRODUCTION:**

The greatest asset any Institution can have is the Alumni of the School. Alumni are the people who represent the Institution in the real world (Gandham, 2011). Alumni website is created for the students that have graduated from the schools. This is a web based application that allows former students to take advantage of the benefits and services that a school offers after graduation. The alumni network is becoming important in the development of the institution because of their vast potential that benefits both the school and the students. There are numerous

benefits for being an alumni member of a school, some of these benefits are: keeping a person inform on the events that are organized by the school, and when some important events will be holding in the school. Another benefit is that information concerning a former student can easily be received and other members of the alumni community can be located without much stress.

#### AIM AND OBJECTIVES:

This paper, generally, aims at developing a Socio- Academic Use of Alumni Collaboration Management System where graduated students can keep in touch with one another and also to keep abreast of what is going on in their formal institution. The specific objectives are:

1. to create a forum where alumni members may chat, relate together and share ideas.
2. to create link where alumni members' contacts can be stored if needs arise.
3. to enable institution manage the Alumni database.

#### SCOPE OF STUDY:

This work is designed for graduated students of National Open University of Nigeria (NOUN). The system will allow alumni members of the same school to register, post questions or messages, contribute to posted questions and to give room for individuals to chat and even browse through the photo gallery. It also allows the institution to be able to have, access and manage the alumni database when needs arise



Fig. 1.1 Scope of the (SUACMS)

**SIGNIFICANCE OF THE STUDY:**

The existence of any human being is subjected to networking with the people around him/her because nobody stands in isolation. Nowadays, networking has become simple for most people because of the ubiquitous mobile devices and the access to the internet. The major impacts of this paper are to:

1. eliminate the old ways of keeping contact through keeping of Photo Album or Contact book which may lost or destroyed when soaked by water.
2. take advantage of the emerging development in the field of Information Communication Technology.
3. have access to prompt information and up-to-date of new event taking place in one's former school.

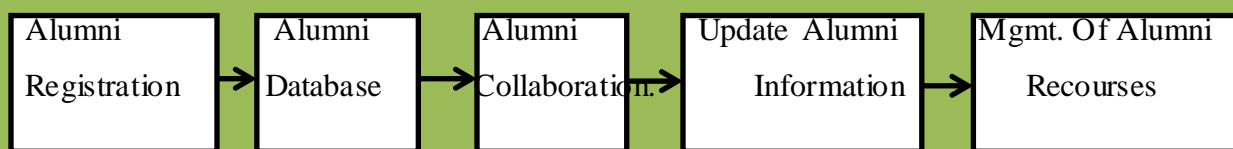


Fig. 1.2 Flow of Significance of (SUACMS)

This figure shows the significance flow of the SUACMS. The system allows Alumni student to register their information on the website. This registration polls all the alumni information together in a central location called Database. This database helps to locate, update, retrieve and store those information for further use. Therefore, the alumni resources can then be managed by the administrator.

**METHODOLOGY:****PROPOSED SYSTEM OVERVIEW:**

The current system is an application for managing and accessing Alumni information. The system is to design and implement a software application that will make possible the managing and accessing of Alumni information with little or no effort. With this software, a member can enter details of his/her information, post opportunities, view events and update picture. The

system is designed in such a way that members can sign-up after which they can login with their user name and password. The moment a member logs-in, the first name of the user is displayed showing that such user has logged in.

### USE CASE DIAGRAM (UCD):

This work employed the use of Use Case Diagram (UCD) as its design tool. Use Case Diagram is one of the tools used in Modeling System Design. It is a description of a system's behavior and how the system responds to a request that originates from outside of that system. UCD is a sequence of operation in a system that yields a measurable value to an individual actor in the system. The four elements of UCD are: system, actors, the service that the system knows how to perform and the relationships between the elements.

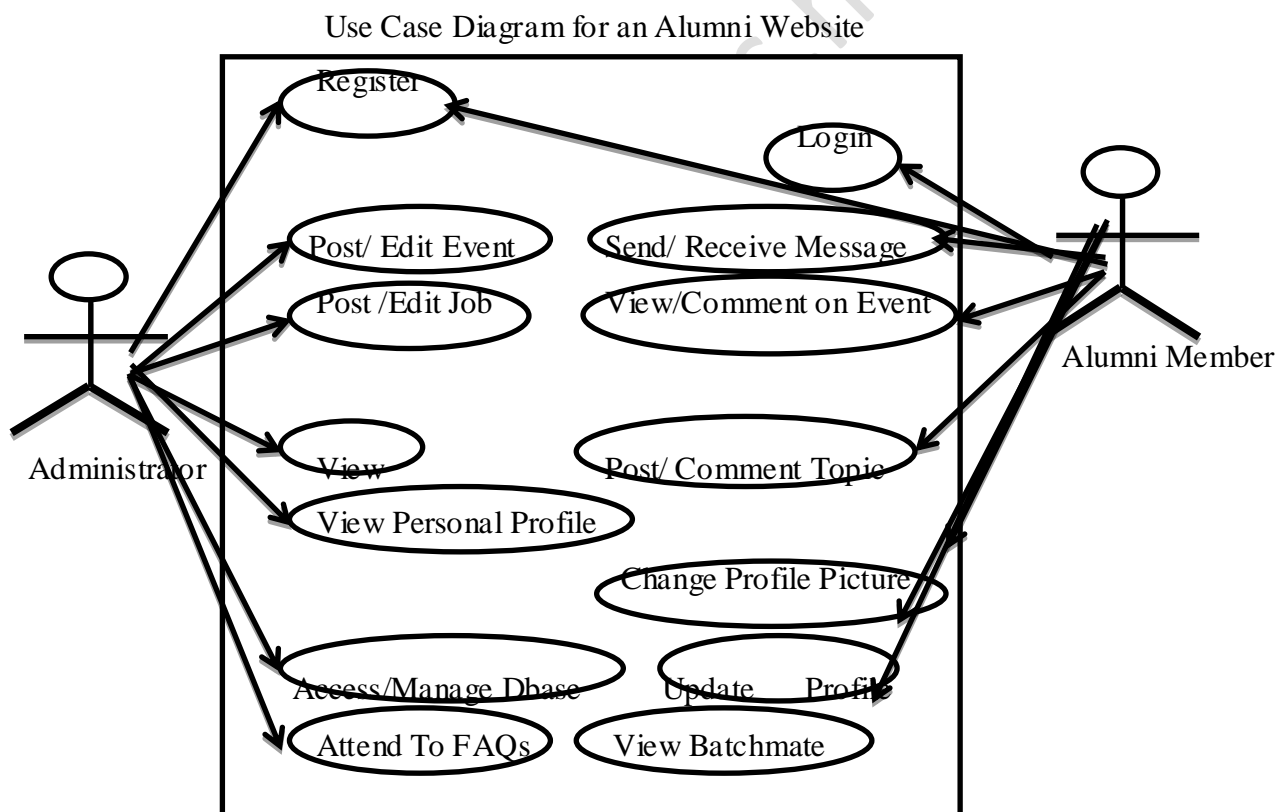


Fig. 3.1 UCD for an Alumni Website

**Goals in Content:** To enable Alumni of a school to be well-informed, chat and share ideas, provide social and educational opportunities and attend to alumni questions.

**Scope:** Alumni Collaboration Management System

**Actors:** Alumni Member and Administrator.

#### DATA TYPE STRUCTURE:

Table 3.1 Login Table

Reason: Saving user log in data to avoid illegal entry to the application

Fieldnames	Datatype	Fieldsize	Description
Uid	Text	9	Stores each id of the user
Username	Text	15	Stores each name of the username
Password	Text	15	Stores password of each user

Table 3.2 Acadinfo

Reason: Saving Alumni academic information

Fieldname	Datatype	Fieldsize	Description
Username	Text	20	Stores id of the user
Matric no	Text	11	Stores each members matric no
Course study	Text	35	Stores each members course of study
Year joining	Int	4	Stores members year of joining out
Passed out yr	Int	4	Stores members year of passed

Table 3.3 Registration Table

Reason: Saving Alumni data such as name, sex, phone email etc. for update and easy retrieval.

Fieldname	Datatype	Fieldsize	Description
Uid	Text	9	Stores each id of the user
Surname	Text	20	Stores each surname of the user
other name	Text	25	Stores a other name of the user
Sex	Text	6	Stores the gender of the user
DOB	Date	8	Stores date of birth of the user
Address	Text	35	Stores address of the user
State	Text	20	Stores the state of origin of the user
Phone number	Text	15	Stores phone number of the user
Email	Text	30	Stores each user email address
Username	Text	25	Stores login name of the user
Password	Text	25	Stores the password of the user
Sequestion	Text	100	Stores security question of the user
Answer	Text	100	Stores security answers of the user

#### SYSTEM IMPLEMENTATION AND TESTING:

##### IMPLEMENTATION AND TESTING:

The implementation phase is the phase where deliverables are actually constructed and offered to the customer for acceptance. This system was developed on a HP 635 Duo core Laptop.

##### PLATFORM/INTERFACE:

The system was designed to be assessed from the World Wide Web via any Web Browser like Mozilla Firefox, Google Chrome etc. For the purpose of demonstration, the software could be loaded on a PC or laptop which will serve as a local host server. Alumni Member signed up to the system by using a Username and Password. Once Alumni member is registered, a user's



profile created stored and saved all his/her information in the database for further reference and retrieval.

#### CHOICE OF PROGRAMMING:

The programming languages used for this project is Hypertext Preprocessor (PHP), My Structured Query Language (MySQL), Hypertext Markup Language (HTML) and Dreamweaver. These programming languages were chosen because of their versatility in the area of web based application.

#### DISCUSSION OF FINDINGS:

##### HOME PAGE



Fig. 4.1 Home Page

The homepage provides menus to view gallery photos, contacts, the history of the institution and a link to the login page.

## REGISTRATION PAGE



Fig. 4.2 Registration Page

It enables members to be able to create their own account. Members will then be allowed to create their username and password which can later be used as a login into their various accounts.

## ALUMNI LOGIN PAGE

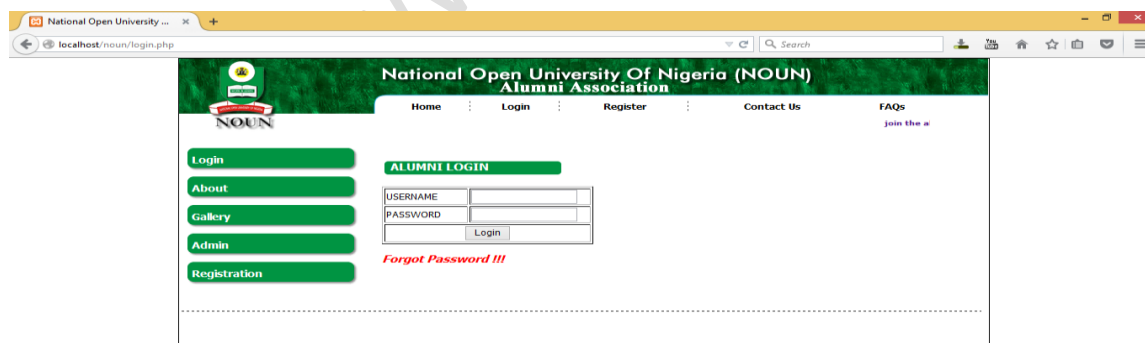


Fig. 4.3 Login Page



This page gives access to users with correct username and password to the alumni page.

### ADMIN LOGIN PAGE

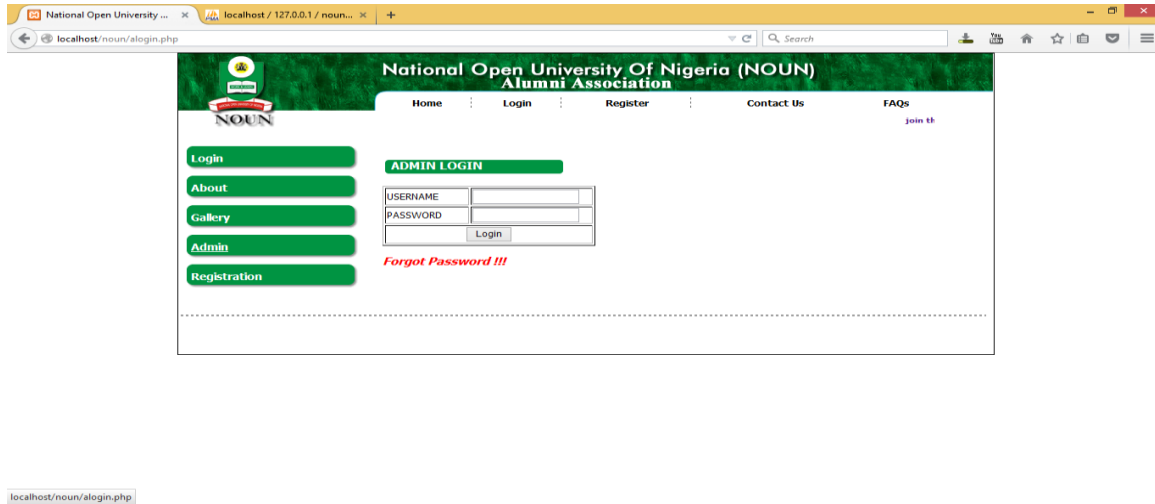


Fig. 4.4 Admin Login page

This page allows administrator to Login to enable have access to the members.

### PERSONAL INFO PAGE

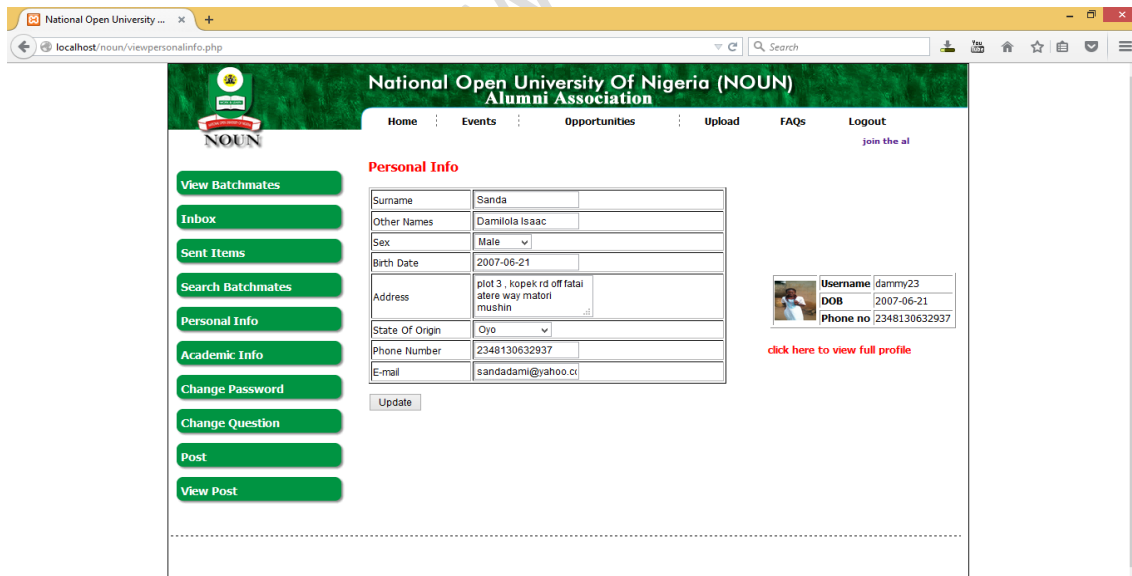
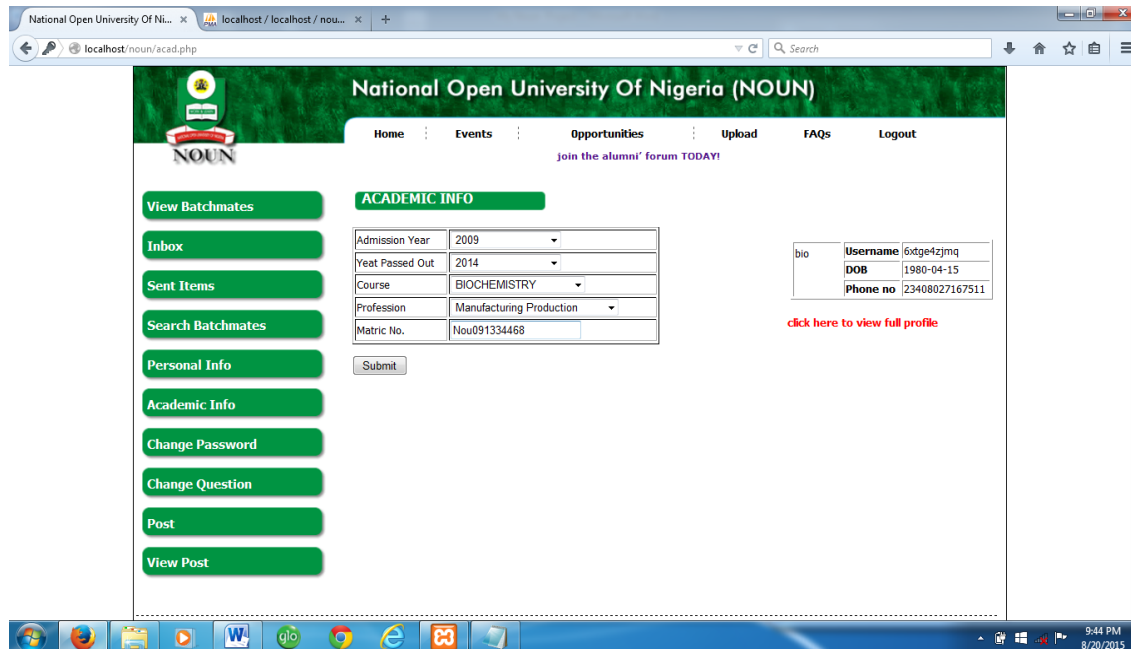


Fig. 4.5 Personal Information Page

This page gives alumni members the privilege to view his/her personal profile

### ACADEMIC INFO PAGE



**National Open University Of Nigeria (NOUN)**

Home :: Events :: Opportunities :: Upload :: FAQs :: Logout

join the alumni' forum TODAY!

**ACADEMIC INFO**

Admission Year: 2009  
 Year Passed Out: 2014  
 Course: BIOCHEMISTRY  
 Profession: Manufacturing Production  
 Matric No.: Nou091334468

Submit

bio

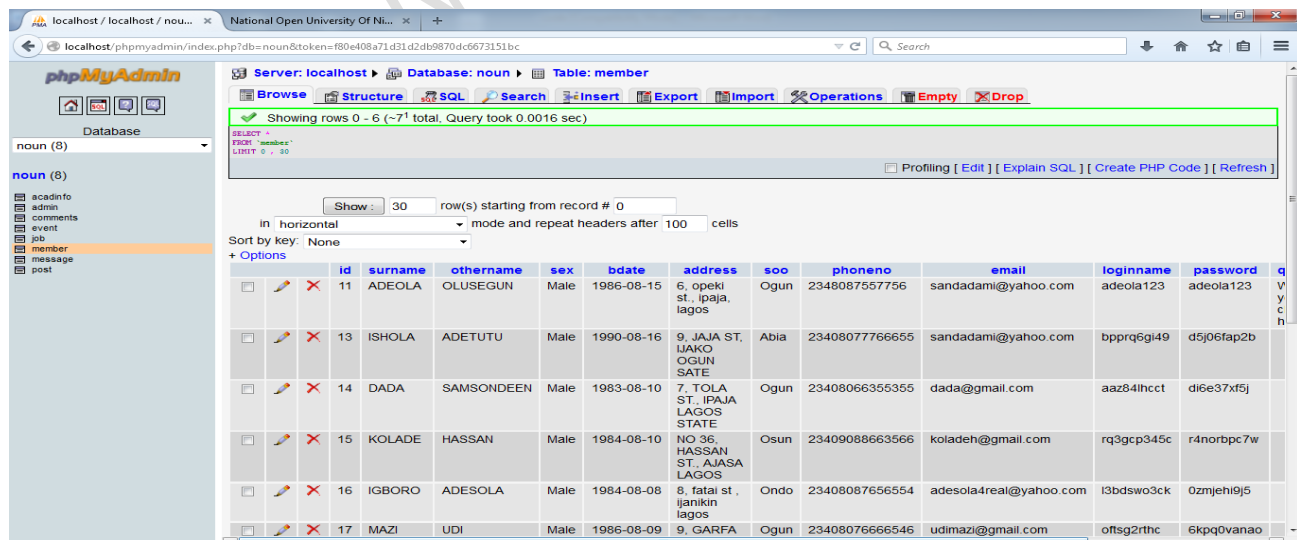
Username	6tdge4zjmq
DOB	1980-04-15
Phone no	23408027167511

[click here to view full profile](#)

Fig. 4.6 Academic Info Page

This page gives alumni the privilege to view his or her academic profile

### DATABASE OF ALL REGISTERED MEMBER



Server: localhost Database: noun Table: member

Showing rows 0 - 6 (-7) total. Query took 0.0016 sec

SELECT \* FROM 'member' LIMIT 0 - 30

Showing 30 row(s) starting from record # 0

Sort by key: None

id	surname	othername	sex	bdate	address	soo	phoneno	email	loginname	password
11	ADEOLA	OLUSEGUN	Male	1986-08-15	6, opeki st, ipaja, lagos	Ogun	2348087557756	sandadami@yahoo.com	adeola123	adeola123
13	ISHOLA	ADETUTU	Male	1990-08-16	9, JAJA ST, IBAJO OGUN STATE	Abia	23408077766655	sandadami@yahoo.com	bprrq6gi49	d5j06fap2b
14	DADA	SAMSONDEEN	Male	1983-08-10	7, TOLA ST, IPAJA LAGOS STATE	Ogun	23408066355355	dada@gmail.com	aaz84lhct	di6e37xf5j
15	KOLADE	HASSAN	Male	1984-08-10	NO 36, HASSAN ST, AJASA LAGOS	Osun	23409088663566	koladeh@gmail.com	rq3gcp345c	r4norbpc7w
16	IGBORO	ADESOLA	Male	1984-08-08	8, fatai st, ijanikin lagos	Ondo	23408087656554	adesola4real@yahoo.com	l3bdswo3ck	0zmjehi9j5
17	MAZI	UDI	Male	1986-08-09	9, GARFA	Ogun	23408076666546	udimazi@gmail.com	oftsg2rthc	6kpq0vanao

Fig. 4.7 Database of All Registered Member

This page gives administrator the privilege to view all registered members

## CONCLUSION:

This paper focused on Development of SUACMS tends to replace the former way of using diary, photo album and even piece of paper to store colleagues' or friends' contacts. The application uses Internet for its workability and a web browser is required. The Use Case Diagram was used as a system design tool for prototyping purpose and the table for the data type structure were fully drawn. Furthermore, the requirements needed for the implementation of the work were fully discussed.

The paper provided a benchmark for promoting the advancement, interests, welfare, unity, oneness and harmonious relationship between the numerous alumni members and the philanthropic support to the Institution. It will greatly assist the institution to have a common database of the alumni members and to be able to store, access, and manage the database. The data can be mined and can be subjected to any query when there is need for such. Finally, the paper recommends that every academic institution, from primary to tertiary, needs to put in place alumni website, because of its benefits as explained in this paper.

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