

# Tribhuvan University Faculty of Humanities and Social Sciences

# SPONSORSHIP MANAGEMENT SYSTEM

# A PROJECT REPORT

# Submitted to Department of Computer Application Patan Multiple Campus Patan Dhoka, Lalitpur

In partial fulfillment of the requirements for the Bachelors in Computer Application

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Patan Dhoka, Lalitpur

Bachelor in Computer Applications (BCA)

# SUPERVISOR'S RECOMMENDATION

I hereby recommend that this project prepared under my supervision by **Ghanashyam Dhungana** and **Rohina Shakya** entitled "**Sponsorship Management System**" in the Partial Fulfillment of requirement for the degree of Bachelor in Computer Application is recommended for that final evaluation.

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# Tribhuvan University Faculty of Humanities and Social Sciences

# **Patan Multiple Campus**

Patan Dhoka, Lalitpur

Bachelor in Computer Applications (BCA)

# LETTER OF APPROVAL

This is certify that this project prepared by **Ghanashyam Dhungana** and **Rohina Shakya** entitled "**Sponsorship Management System**" in the Partial Fulfillment of requirement for the degree of Bachelor in Computer Application has been evaluated. In our opinion it is satisfactory in the scope and quality as a project for the required degree.

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**ABSTRACT** 

Millions of people who belong to below poverty line (BPL) in the Country were eagerly

waiting for the "Sponsorship Management System". That helps the people to overcome the

economic needs in many terms.

In today's world, education has become one of the most essential and expensive assets.

Most high school pass outs look for financial assistance to pursue the career of their dreams

that requires several years of education. In such a scenario, scholarships come up as the

most desired form of financial aid. This is because, unlike educational loans, we don't have

to repay scholarships. If we are deserving, we can get scholarships on merit basis. This

makes scholarships prestigious and also pays for our degree. We should definitely apply

for scholarships in the college of our choice. After all, a scholarship comes with numerous

benefits. "Sponsorship Management System" is the system for the needy people especially

family who are living under below poverty line can apply. It makes the whole process of

the system easy by providing the easier application filling, payment receiving system, etc.

Keyword: PHP, web application, database, bootstrap.

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Campus for their kind co-operation and encouragement which help me in completion of

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We would also like to thank our parents and friends who helped us a lot in finalizing this

project within the limited time frame.

In the end, we would also like to thank Tribhuvan University for giving us this opportunity

via the course of Computer Application to help us understand the project ethics at this early

stage and helped us to evaluate my knowledge and expand it a little more.

Yours sincerely,

Ghanashyam Dhungana

Rohina Shakya

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# LIST OF ABBREVIATIONS

BIA Bodhisattva in Action

BPL Below Poverty Line

CRUD Create, Read, Update and Delete

CSS Cascading Style Sheet

DFD Data Flow Diagram

ERD Entity Relationship Diagram

HTML Hyper Text Markup Language

JS Java Script

MySQL Microsoft Server Structured Query Language

NGO Non- Government Organization

OTP One Time Password

PHP Personal Home Page

SMS Sponsorship Management System

UI User Interface

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# **CHAPTER: 1**

# INTRODUCTION

# 1.1 Introduction

Sponsorship Management System (SMS) is the web base system which helps needy people and a process an organization oversees or examines its sponsorship activities and can use to help improve efficiency of their projects. It is typical software that look to automate and digitalize data from all parts of process for sponsorship activities. SMS is an online tool that allows you to manage day-to-day sponsorship activities, tasks, duties and a tool used by sponsors to meet their compliance responsibilities. SMS should be used for applying for students sponsor status, reporting activities related to your sponsored workers or students.

It is an application that manages the data of sponsors, applicants and organizes the database of sponsorship categories'. The main focus of the Sponsorship Management System is to provide funds and sponsorship to the needy people and this system collect and review requests for sponsorship. It is the most powerful tool that helps to solve the financial problem of the needy people and also used to meet requirements as an institution sponsoring candidate and child candidate.

SMS cover all the process like it handle applicant's details, sponsor's details and category's details. All the mentioned details and information are stored in system database so that it could save time when retrieving data from database. The interface is designed user friendly and the function is displayed in a simple manner. This system give solutions or remedies for the problem that are currently being faced and reduce the problems and is website based where sponsors can provide funds and sponsorships likewise applicants can apply for scholarships, sponsorship and so on. [1]

Sponsorship Management System is usually implemented so that applicants and sponsors can apply for the sponsorship online from anywhere and at any time and is the web based system that has one admin and two users' applicant and sponsor. This system helps administrator to manage data and information of applicant and sponsor and also helps to keep their data more safely and securely by storing all data into the database. It can be

accessed by going to website and logging in as the user. In this system interface is designed user friendly and the function is displayed in a simple manner.

#### 1.2 Problem Statement

In the context of Nepal, many organizations have to face different problems in order to provide sponsorship to different people as organization cannot verify applicants are either needy people or not. There are many needy people who are in need of sponsorship but not able to get sponsorship due to lack of information about sponsorship. They may not have the information and knowledge about sponsorship how and where they can apply for and get sponsorship. But there are also some privileged people who are getting sponsorship even though they do not need it so because of this people organization cannot verify between them and needy people.

And also people are very busy as they do not have time to visit organization or field to find out the deprived people who are in need of sponsorship and to know the details of organization and applicants. So, to overcome the problems mentioned above this system is going to be developed as this system provide information about sponsorship to needy people and helps to verify needy people or not going through the applicants' details and data.

# 1.3 Objectives

The system give remedies for the problem that are currently being faced by the people. Some of the objectives of system are as follow:

- To identify and provide information about sponsorship to needy people.
- To provide sponsorship to the people.
- To organize and manage data of sponsors, applicant and different sponsorship categories.
- To deal with corporate social responsibilities.

# 1.4 Scope and Limitation

# **1.4.1 Scope**

The system can be used by different non-profit organizations where they can provide sponsorship to the people. The applicants and sponsors can get all information and details about sponsorship and sponsorship categories through this system. This system can be accessed by every type of user having authenticated username and password and can apply for sponsorship. This system is focused on providing sponsorship to the deprived people.

#### 1.4.2 Limitations

There are some criteria that may not be fulfilled by our application implemented. Some of such limitations of our project are mentioned below:

- There is no any feature of payments of sponsorship.
- There is no feature of report generate.
- There is no OTP (One Time Password) feature.

# 1.5 Report Organization

#### Introduction

This chapter deals with the introduction of the system with its objectives and limitations along with the reason why the system is made.

# **Background Study and Literature Review**

This chapter summarizes the work that has been carried out in the field of data mining and also describes the features about some existing applications related to the sponsorship management system.

# **System Analysis and Design**

This chapter focuses on the different requirement of the system, which describes about the functional, non-functional, feasibility analysis, Entity Relational diagram, Data Flow Diagram, design of the system with system architecture, database schema, and interface design.

# **Implementation and Testing**

This chapter emphasizes tools used in system development, implementing details and result of test performed.

# **Conclusion and Future Recommendation**

This chapter highlights brief summary of lesson learnt, outcome and conclusion of the whole project and explain what have been done and what further improvements could be done.

# **CHAPTER: 2**

# BACKGROUND STUDY AND LITERATURE REVIEW

# 2.1 Background Study

A Web Portal or online portal refers to a system service that offers a broad array of resources and services such as e-mail, forums, search engines etc. at one place and Sponsorship Management System is also one of it. It contains different services that Scholarship, sponsorship etc. The first "sponsorships" date back to 5<sup>th</sup> century BC in Ancient Greece. Initially, sponsorship took the form of a tax paid by rich citizens to finance major competitions and public festivities.

Before getting into the development of the project we tried to understand the basic available resources and current practice. It helped us very much for planning the road map for the development. Currently there are few organizations that are currently sponsoring the people in their needs. We also tried to understand how they are running the sponsorship program and how different it is from SMS is studied on the basis of the available resources online.

Sponsorship Management System (SMS) is the way or process an organization oversees or examines its sponsorship activities in which different Scholarship rendered to the students who cannot get the scholarship provided by the college. Early sponsorships were provided manually to the people as students have to fill up the registration form for scholarship. Almost every sponsorships are manually done so they were facing some problem of issuing sponsorship for the needy people. All the necessary sponsorships were being done in hard copy so it becomes difficult for the staff or employee to keep the records updated all the time.

# 2.2 Literature Review

There are many system related to Sponsorship Management. We recently had studied about different system which works as like this application.

A number of studies have reported on the application of online scholarship as well as Sponsorship Management System. In the early, almost sponsorships are manually done so, they were facing some problem of issuing sponsorship for needy people. All the necessary

sponsorships were being done in hard copy so, it become much difficult for staff to keep the records updated all the time.

According to resource, the system used by "Bodhisattva in Action (BIA)" has a manual and offline scholarship system. In this social non-government organization student should fill up registration form for scholarship. That system hasn't facilitated of online scholarship service to the needed student. [2]

Child Nepal is a Non-Government Organization (NGO) working on child rights in general and child protection and child development established in 2003 by a group of social activists with an aim to initiate a child friendly culture. In this organization, it ensures child friendly environment in families, schools, communicates and government levels. [3]

According to resource, Children International is a global nonprofit organization that helps children break cycle of poverty by supporting their education, providing nutritional support, dental care, counseling for children and families, school supplies and fees, clothing, items for the home and health benefits such as annual medical exam and care during illness and this organization delivers these results via its community centers, which offers programs, computers, libraries and other education tools. [4]

According to source, Namaste Community Foundation a non-profit organization registered as NGO in Nepal with the motives of furthering development activities for the needy children and women's sector of Nepal and it is dedicated to providing education, healthcare for the poor, needy, orphaned and abandoned children, giving support for the children from poor economic families, granting financial assistance to start small businesses, as well as arranging a unique opportunity for people from around the world to get involved in social work. [5]

# **CHAPTER: 3**

# SYSTEM ANALYSIS AND DESIGN

# 3.1 System Analysis

This system is designed with the series of processes starting with requirement analysis, design, implementation, testing and maintenance. During requirement analysis, all the functional and nonfunctional requirement are analyzed and system is developed according to the requirement then designing of the system is carried out. After the design process, coding and development part is started then after integrating the system there is testing of the system. If the testing is positive then system is implemented otherwise some maintenance is done and system come in operation.

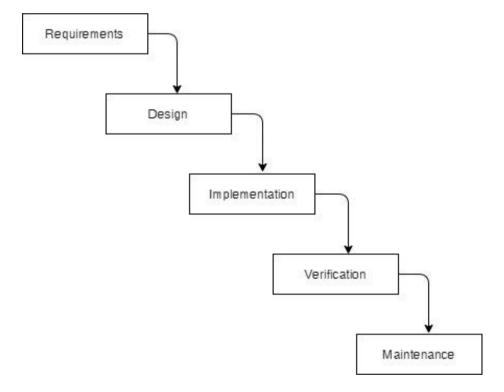


Figure 3.1: Waterfall Methodology for Sponsorship Management System

# 3.1.1 Requirement Analysis

The requirements are to be collected before starting projects' development life cycle. To design and develop system, functional as well as non-functional requirement of the system has been studied.

# i. Functional Requirement

Different functional requirement of the system have been identified and are listed as below:

#### For Administration:

- The system should allow the system administrator to login and logout from the system.
- The system should allow the system administrator to add, delete, and update details and information of users and sponsors.
- The system should allow the system administrator to monitor the system users' data.

# For Applicants:

- The system should create and manage applicants' username and password.
- The system should enable the applicants to apply and register.
- The system should display in which category applicants are going to apply.

# **For Sponsors:**

- The system should create and manage sponsors username and password.
- The system should display in which category sponsors are going to sponsor.
- The system should allow sponsors to provide funds and sponsorships.

#### **USECASE DIAGRAM**

In sponsorship management system, there are three actors such as admin, sponsor and applicant where admin can login, manage categories, applicants and sponsors and logout from the admin panel. Likewise, applicant can register, login, select sponsorship category, apply for sponsorship and logout from the system. Lastly, sponsors can register, login, select sponsorship category, sponsor and logout from the system.

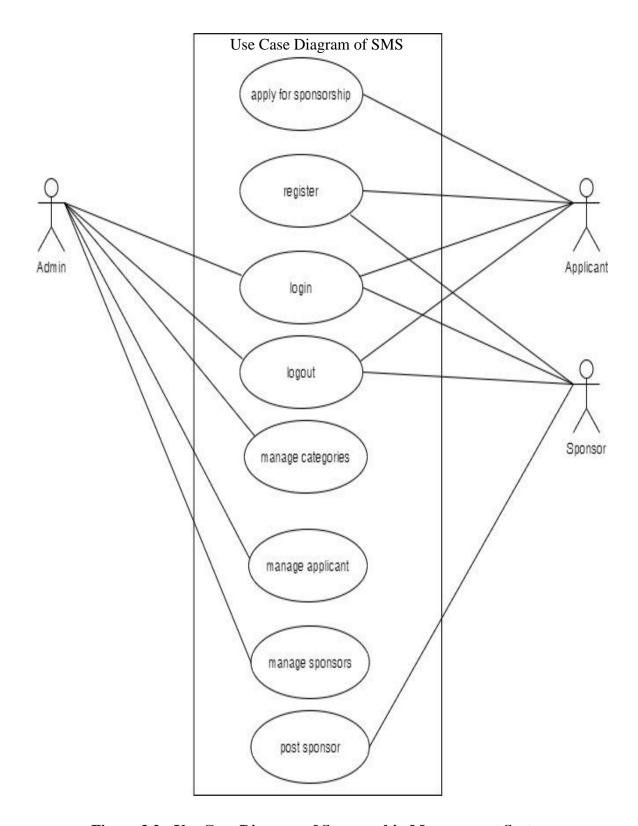


Figure 3.2 : Use Case Diagram of Sponsorship Management System

# ii. Non Functional Requirement

Different non-functional requirement have been studied and identified and are listed as below:

- **Security**: -The system is secure from outside attacks as authorized user and admin are allowed to access the data. Admin representative on duty can log into the system and have access to the sponsorship system but access to have various subsystems is protected by the user login screen that requires a username and password. This system uses at least 8-character passwords for security. Different validation process is used.
- **Performance**: The performance of the system is fast and accurate as in this system database is normalized so it provide fast operations.

# 3.1.2 Feasibility Analysis

The feasibility study concluded that the project is able to be implemented to success as it was carefully planned.

# i. Technical Feasibility Study

The system is technically feasible as the requirement for the development of the system is easily accessible. The necessary hardware and software required for the development and implementation of the system is available. The basic programming language which is suitable for project is available and the libraries required for project is capable of achieving the result that we are aiming for. All the existing resources can be used for the development and maintenance system.

# ii. Operational Feasibility Study

The system is easy to operate with the basic knowledge of computer and internet and well trained manpower is not necessary. User can also easily access the system as it is user friendly in many aspects with good User Interface (UI). This system include all the requirements used for sponsorship system and this system is completely operational and can be successfully implemented and administration feel easy to use this system as it is user-friendly.

# iii. Economic Feasibility Study

The system is economically feasible and cost effective. As all the tools and resources required are either open sources or free. After the completion of the system organization didn't need to deploy any new hardware and software as the required software and hardware. The existing resource of the system can be used.

# iv. Schedule Feasibility Study

The system is completed within scheduled time and do not exceed the scheduled time.

**Table 3.1: Gantt chart Table for Sponsorship Management System** 

Task Name	Duration
Getting Started	2 weeks
System Design & Architecture	2 week
Implementation	7 weeks
Deployment	4 weeks
Documentation	12 weeks

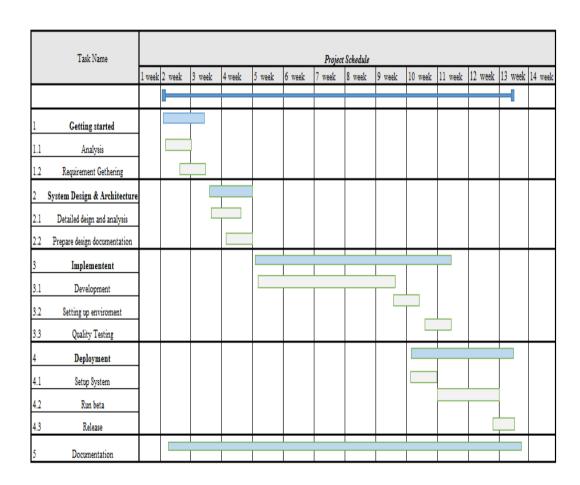


Figure 3.3: Gantt chart for Sponsorship Management System

# 3.1.3 Data Modeling (ER-Diagram)

In Entity-Relationship diagram there are five entities named administrator, applicant, sponsor, sponsor category and sponsorship. Admin has attributes like Admin id, name, password, email. Likewise applicant has Applicant id, name, password, email, phone and sponsor has attributes like Sponsor id, name, password, email, phone, category id. Sponsor category has attributes like category id, category name. Sponsorship has title, sponsorship id and amount. Admin can add and delete user and user can apply and posts for sponsorship.

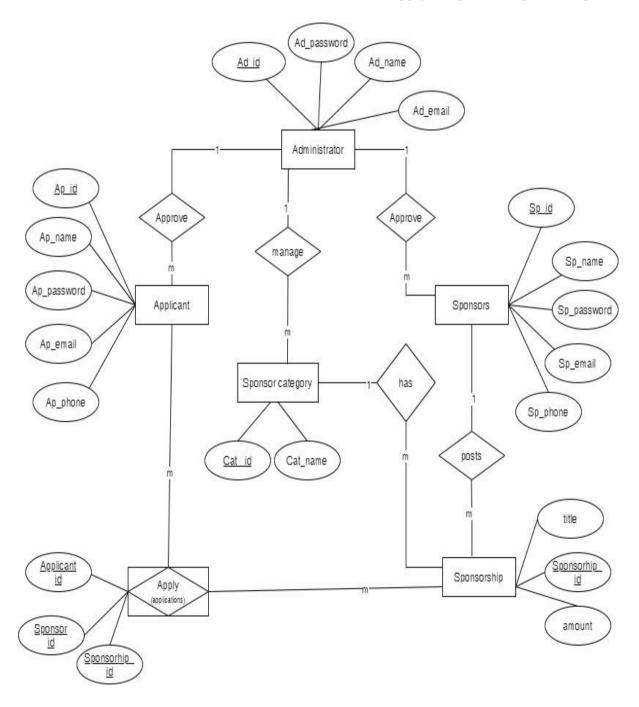


Figure 3.4: Entity Relational Diagram for Sponsorship Management System

# 3.1.4 Process Modeling (DFD)

Data Flow Diagram of Sponsorship Management System consists of two levels of DFD context diagram and level one dfd. Both these levels are used for making data flow diagram of SMS.

In context diagram, the login request, register, sponsor information are the inputs of SMS where users and admin request for login, users register, users enquiry about sponsorship and apply for sponsorship. The login response, details of sponsor and applicant are the outputs where admin and user get response about login success or cancel, admin get details of users and users get notification of sponsorship.

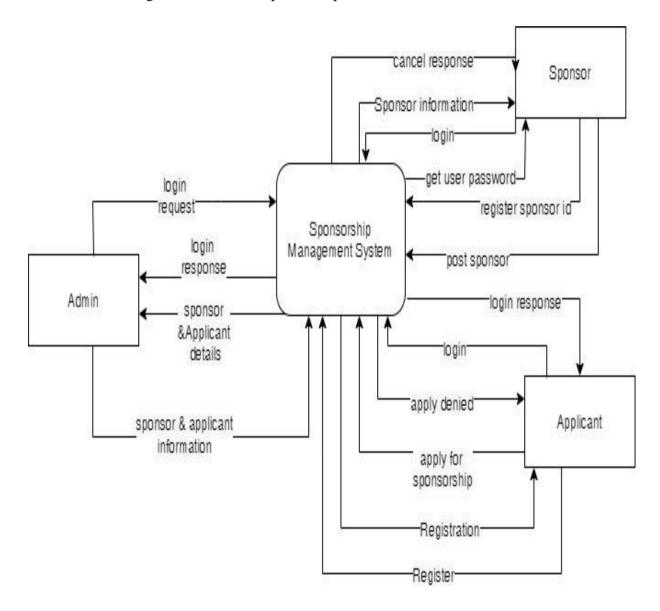


Figure 3.5: level 0 DFD for Sponsorship Management System

In level 1 DFD, there are five processes where for login, process 1 is responsible, for managing category of sponsor, process 2 is responsible likewise process 3, 4, 5 are for post sponsor, managing details of sponsor, applicant and for applying sponsorship. There are three entities admin, applicant and sponsor and four data stores are used in this level of DFD such as user details, category details, sponsorship, and applicant details.

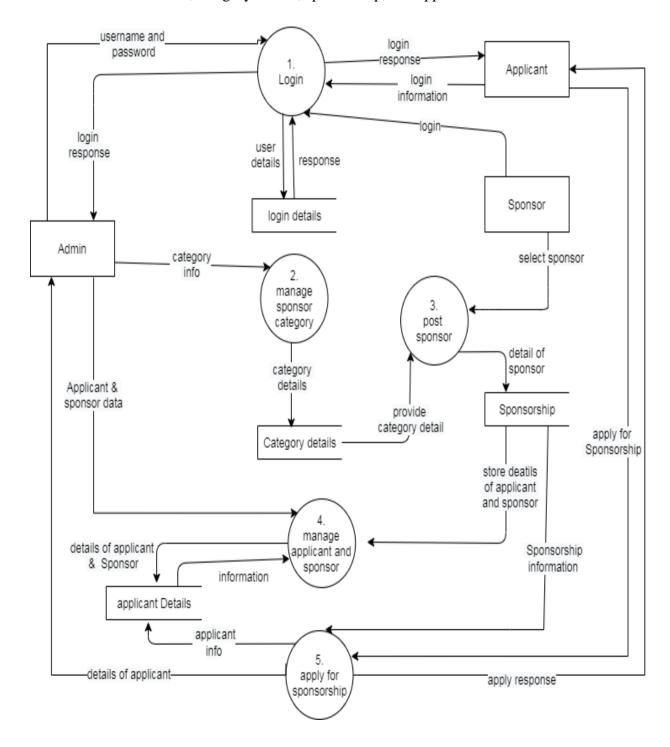


Figure 3. 6: Level 1 DFD for Sponsorship Management System

# 3.2. System Design

To realize the different functional requirement of the system in graphical form, different design diagram of the system has been prepared which are as follows:

# 3.2.1. Architectural Design

For this system, three tier architecture is used which includes user interface, web server and database. In architectural design, basic structure of the system is shown.

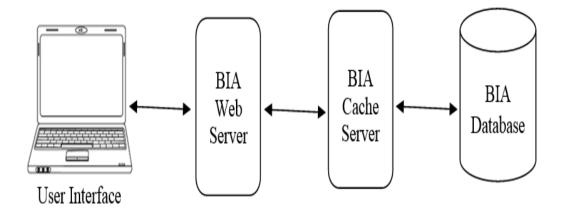


Figure 3.7: Architectural Design of Sponsorship Management System

# 3.2.2 System Flowchart

The figure below is the flowchart of sponsorship management system. Here, admin and users such as applicants and sponsors login the system and if user is not register then they need to register first. After login success, it redirects to dashboard of sponsor and applicants then sponsor view the sponsor category and sponsor in those category which they want. Likewise for applicant, applicant also view the sponsor category and apply in those category which they want. The admin do not need to register they can directly login the system and after login success it redirects to dashboard of admin and admin can manage categories, and all the details of sponsors and applicants. Then admin and users log out the system.

# For Admin

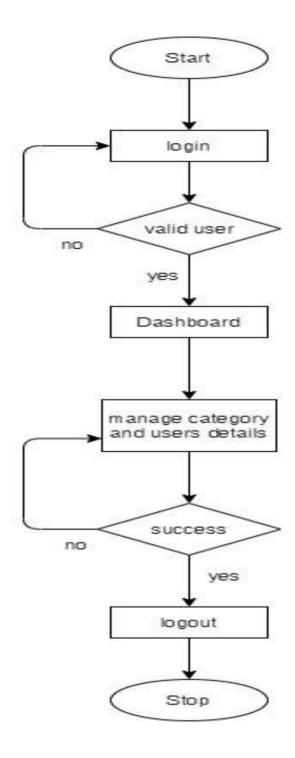


Figure 3.8: Flow chart of Sponsorship Management System for Admin

# **For Sponsor**

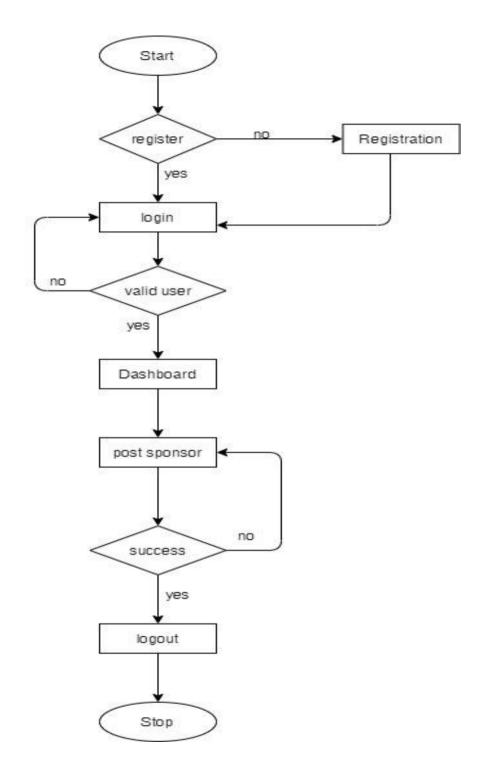


Figure 3.9: Flow chart of Sponsorship Management System for Sponsor

# For Applicant

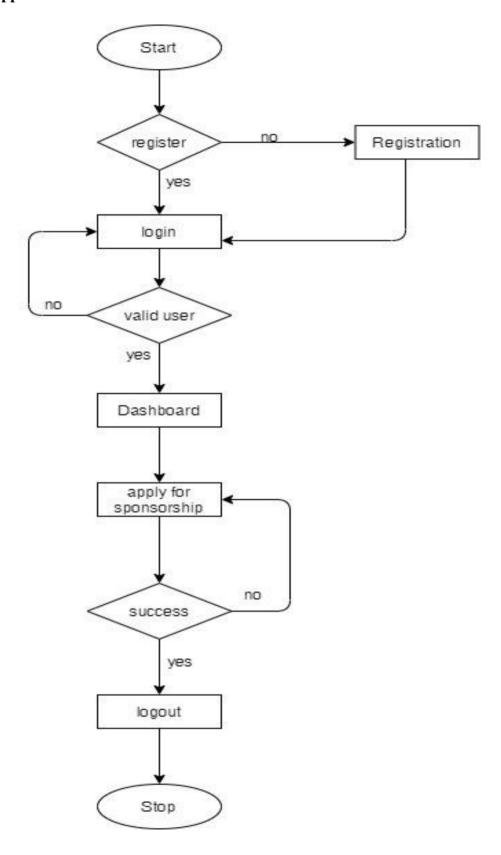


Figure 3.10: Flow chart of Sponsorship Management System for Applicant

# 3.2.3. Database Schema Design

The figure below is the database schema design of sponsorship management system. Database schema design is used to show basic structure of the system. In sponsorship management system, there are six tables in the databases each of them has their own fields where their id is primary key and if that id is used in another table it becomes foreign key and foreign key are connected to another table with a line. There is data type of each entity and the foreign key in schema is represented by the arrow as shown in the diagram.

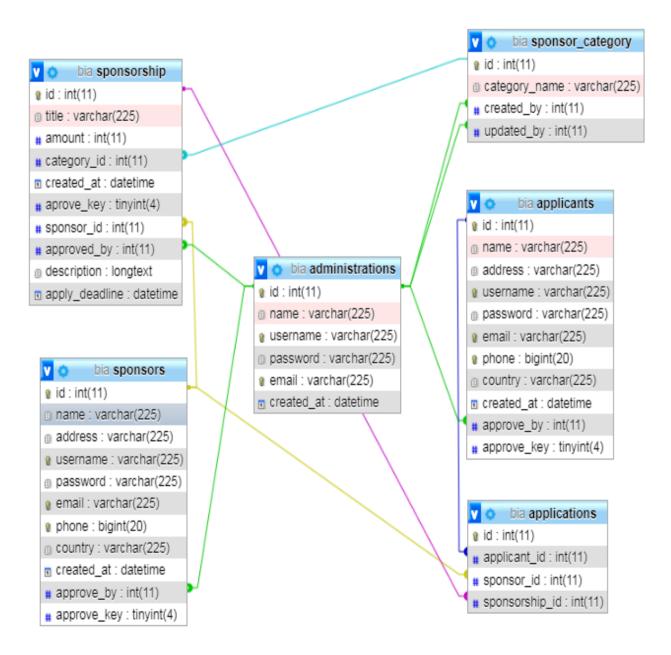


Figure 3. 11: Database Schema Design of Sponsorship Management System

# 3.2.4. Interface Design (UI Interface)

Interface design is used to design how the sponsorship management system looks like and this design is shown to user that how the system will look. And after finalizing the system development starts. The UI design of home page, register page, login page and dashboard page of sponsorship management system are shown below:

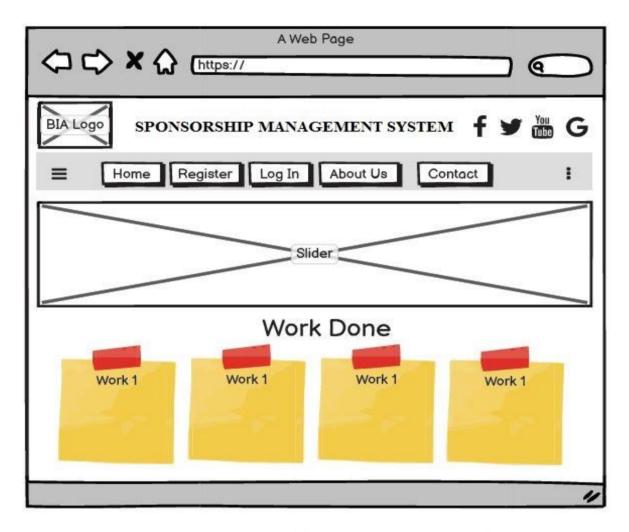


Figure 3.12: UI Home page of Sponsorship Management System

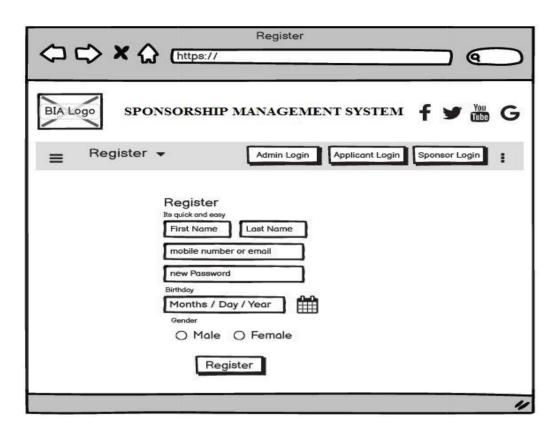


Figure 3.13: Register page of sponsorship management system

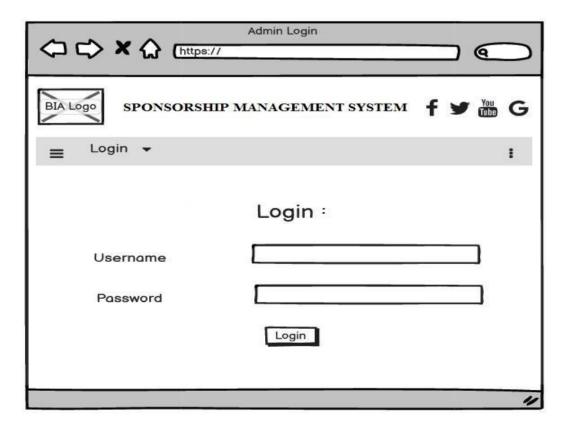


Figure 3.14: Login page of Sponsorship Management System

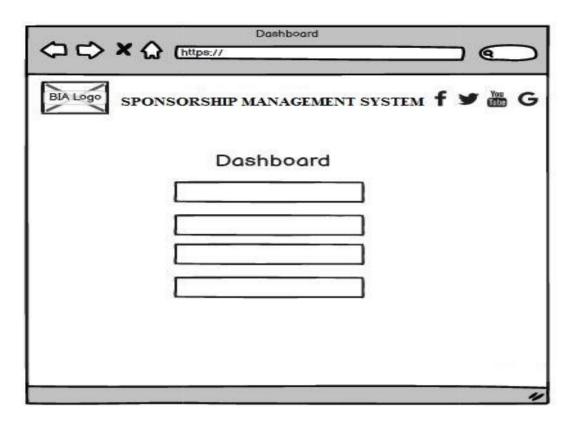
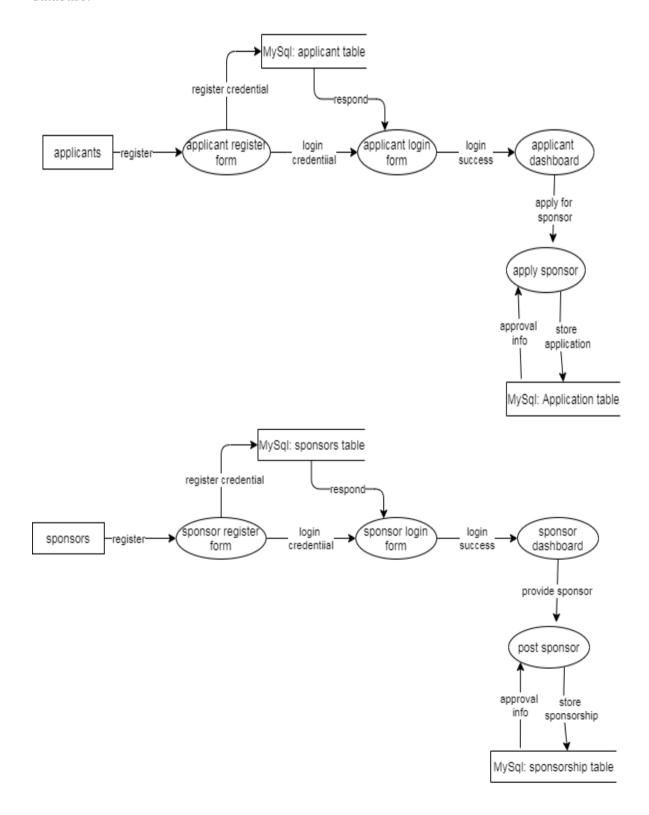


Figure 3.15: Dashboard of Sponsorship Management System

# 3.2.5. Physical DFD

Here, users such as applicants and sponsors register and login to the system, if it is successful then users' information is stored in the database and then they can apply and post for sponsorships. All the sponsorship and applications details are stored in the database.



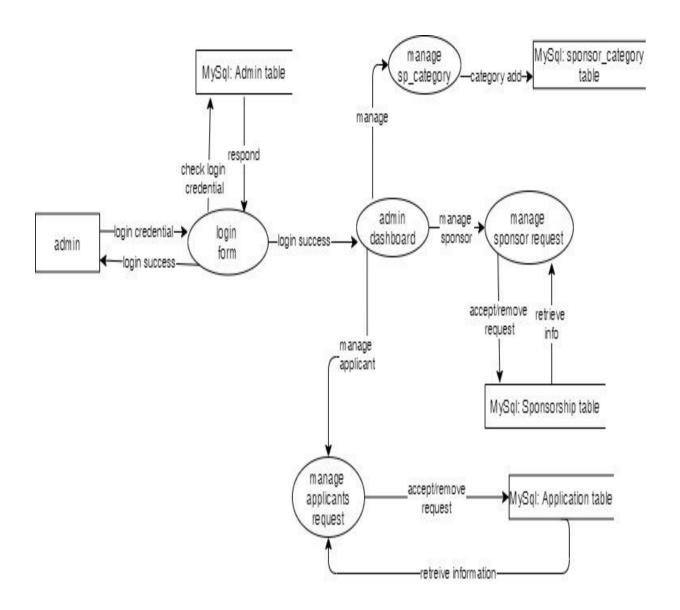


Figure 3.16: Physical DFD of Sponsorship Management System

# **CHAPTER: 4**

# IMPLEMENTATION AND TESTING

# 4.1. Implementation

# 4.1.1. Tools Used (CASE tools, Programming language, Database platforms)

Following are the tools and framework used for the accomplishment of this project:

#### **Front End Tools**

#### • HTML

In Sponsorship Management System, html is used for creating different webpage and sites. It is used to create and structure sections, headings, links, paragraphs using various tags and elements. We also define headers, paragraphs, links, and images of sponsor management system by using html.

#### CSS

In Sponsorship Management System, css is used for designing different tags of html. It is also used to design different component by the help of class and id. Different css are used such as inline css, internal css, and external css to design this system. It is used for defining the styles for web pages. By using css, we can control the text color, font style, the spacing between paragraphs, sizing of columns, layout designs, and many more.

# JavaScript

In Sponsorship Management System, JavaScript is used for client-side validation and to make dynamic, interactive and responsive web pages. It is used to add dynamic behavior to the webpage and add special effects to the webpage.

#### **Back End Tools**

#### PHP

In Sponsorship Management System, PHP is used for the backend purpose and for making dynamic web pages. It is used for server side scripting purpose to add connectivity to the database and also used to encrypt the data, validate the user data,

confirm user to go to certain pages, login pages. It also includes add, update and delete the data from the database.

#### Server

#### APACHE SERVER

In sponsorship management system, apache server is used to run php files and creating fast and dynamic web pages.

#### **Database**

# MYSQL

MySQL is use for storing all the information required to the database in sponsorship management system. It is used for performing CRUD operation such as create, delete and update data from the database as requested by the user.

#### **Documentation Tools**

#### MS Office

This is used for writing and editing the documentation of sponsorship management system.

#### • Draw.io

This is used to generate diagrams for system analysis and design of sponsorship management system. Diagrams were created using this tool in order to save time since all components are available with drag and drop functions.

# **4.1.2.** Implementation Details of Modules (Description of procedures/functions)

Different modules of this system are described as below:

# **Admin Module**

# • Admin add/edit/delete category

In this module, there are different categories for sponsorships. Admin can add, list, update and delete the categories in this existing system. The admin start the action add by clicking on add category item button, admin can add sponsor category. The admin perform list action by clicking on the list categories. The page displays all the list of sponsor category from the database and admin can view the list of sponsor

categories. Likewise admin perform edit and delete action by clicking edit and delete items button. And the admin then chooses the sponsor category they want to edit and delete by clicking on edit and delete items.

#### • Admin Manage Applicants

Admin can manages the details and information about applicants. The applicants are categories by name, address, username, email, phone and country. The admin can add new applicants into the existing system by entering their details and information by clicking on the add applicant item button. Likewise admin can view all the list of applicants by clicking on the list applicant item button. The page displays all the list of applicants which are stored in database.

## • Admin Manage Sponsors

Admin can also manages the details and information about sponsors. The sponsors are categories by name, address, username, email, phone and country. The admin can add new sponsors into the existing system by entering their details and information by clicking on the add applicant item button. Likewise admin can view all the list of sponsors by clicking on the list sponsor item button. The page displays all the list of sponsors which are stored in database.

#### • Admin View List of Sponsorships

Admin can view all the list of sponsorships. It includes all the details of the sponsorships like title, amount, category name, created at, apply deadline. Admin can view in which category sponsor have provided sponsorship and how much amount they have donated at what time and deadline of the sponsorship. After viewing all the details of the sponsorship provided by sponsors, admin decide whether to approve their sponsorship or not.

#### • Admin View List of Applications

Admin can also view all the list of application for sponsorship. It includes all the details of the applications like title, amount, and category name, created at, apply. Admin can view in which category applicants have applied for sponsorship. After viewing all the details of the application for sponsorship applied by applicants, admin decide whether to approve their application for sponsorship or not.

#### **Applicants Module**

Applicants' first register into the system by entering all the details such as name, address, email, username, password, phone, country and gender required to register. And then can login to system with their username and password. After login, they can view different sponsorship categories and after viewing they can apply for different sponsorship in which category they want to apply by filling up the application form which includes details of sponsorship such as title, amount, and category name, created at, apply deadline. And after filling up the form they can get sponsorship only after admin approve their sponsorship.

#### **Sponsors Module**

Sponsors first register into the system by entering all the details such as name, address, email, username, password, phone, country and gender required to register. And then can log in to system with their username and password. After login, they can view different sponsorship categories and after viewing they can provide different sponsorship in which category they want to sponsor by filling up the form which includes details of sponsorship such as title, amount, and category name, created at, apply deadline. And after filling up the form they can sponsor after admin approve their sponsorship.

Sponsors can login to system with their username and password. Sponsors can view different sponsor category and after viewing they can sponsor for different sponsorship in which category they want to sponsor.

#### **Sponsor Category Module**

In this module there are different category of sponsorship such as food, clothes, and educations. The applicants and sponsors view the sponsor category and they choose the category in which they want to apply and donate for sponsorship.

#### **Login Module**

In login module, we have implemented three sub modules they are admin login, applicant login and sponsor login. Admin, applicants and sponsors log into the system using their valid username and password.

#### **Register Module**

In register module, we have implemented two sub modules they are applicant register and sponsor register. Applicants and sponsors register into the system by entering all the details such as name, address, email, username, password, phone, country and gender required to register. And then can log in to system with their valid username and password.

# 4.2. Testing

System testing is done by giving different training and testing datasets. This test is done to evaluate whether the system is providing accurate summary or not. During the phase of the development of the system, our system is tested time and again. The series of testing conducted are as follow:

#### 4.2.1. Test Cases for Unit Testing

In unit testing, we designed the entire system in modularized pattern and each module is tested. Until we get the accurate output from the individual module, we work on the same module. The input forms is tested so that they do not accept invalid input.

# **User Registration**

Table 4. 1: Test case for User Registration of Sponsorship Management System.

S.No.	Test Name	Input	Expected	Actual	Test
			Output	Output	Result
1.	Open	http://localhost:8080/pmc/myProject	SMS	SMS	Pass
	Application	/bia_designs/register_form_	Register	Register	
		applicants.php	Page	Page	
2.	Enter	Name = Ghanashyam Dhungana	select	Registration	Pass
	Invalid	Address = Kailali, Tikapur	country	Failed	
	name,	E-mail =			
	address,	dhunganaghanashyam@gmail.com			
	email,	Username = Ghanashyam123			
	username,	Password = Ghanashyam@123			
	password,	Phone = 9843231139			
	phone,	Country =			
	country,	Gender = Male			
	gender and				
	click				
	register				
	button				
3.	Enter Valid	Name = Ghanashyam Dhungana	Registration	Registration	Pass
	name,	Address = Kailali, Tikapur	successful	successful	
	address,	E-mail =			
	email,	dhunganaghanashyam@gmail.com			
	username,	Username = Ghanashyam123			
	password,	Password = Ghanashyam@123			
	phone,	Phone = 9843231139			
	country,	Country = Nepal			
	gender and	Gender = Male			
	click				
	register				
	button				

# **User Login**

Table 4. 2: Test case for User Login of Sponsorship Management System.

S.No.	Test Name	Input	Expected	Actual	Test
			Output	Output	Result
1.	Open Application	http://localhost:8080/pmc/ myProject/bia_designs/index.php	SMS Home Page	SMS Home Page	Pass
2.	Enter	Username: Rohina@123	Login	Login	Pass
	Username	Password: Rohina123	Failed	Failed	
	and Invalid		And		
	password		credential		
			not match		
			is shown		
3.	Enter Valid	Username: Rohina@123	Login	Redirect	Pass
	Username	Password: Rohina@123	Successful	to	
	and		and	Dashboard	
	Password		redirect to		
	and click		dashboard		
	login				
	button				

# 4.2.2. Test Cases for System Testing

In system testing, whole system is tested as below:

# **Test Case for Donation Success**

Table 4. 3: Test Case for Donation Success of Sponsorship Management System

Test Case 1	Successful Donation
Test Data	Title = Food donation
	Amount = 2000
	Category = Food
	Description = Donation for food for poor children.
	Apply deadline = 2021-08-29
Expected Result	A message should be displayed saying "Donation Success"
Test Result	Donation Success

# **Test Case for Donation Failure**

Table 4. 4: Test Case for Donation Failure of Sponsorship Management System

Test Case 1	Donation Failure
Test Data	Title=Food donation
	Amount=2000
	Category=
Description= Donation for food for poor children.	
	Apply deadline= 2021-08-29
Expected Result	A message "Enter category" should display
Test Result	A message "Enter category" is displayed

# **Category add form**

Table 4. 5: Category add form of Sponsorship Management System

Test Case	Expected Data	Test Result
On click of add	Adds the new sponsor category	Successful
On click of list	List the sponsor category	Successful
On click of edit	Edit the sponsor category	Successful
On click of delete	Delete the sponsor category	Successful

# Applicants add form

Table 4. 6: Applicants add form of Sponsorship Management System

Test Case	Expected Data	Test Result
On click of add	Adds the new applicant	Successful
On click of list	Delete the applicant	Successful

# **Sponsors add form**

Table 4. 7: Sponsors add form of Sponsorship Management System

Test Case	Expected Data	Test Result
On click of add	Adds the new sponsor	Successful
On click of list	Delete the sponsor	Successful

# **CHAPTER: 5**

# CONCLUSION AND FUTURE RECOMMENDATIONS

#### 5.1. Lesson Learnt / Outcome

Every project makes us to learn and gain the knowledge in different aspects. In the following project, we have learned lots of problem-solving skills and learn things like team work, finding the solution on our own, proper use of guidelines, communication and writing skills and management of team.

#### Teamwork

Since this is a team project, it teaches how to work with group members and develop the system together. We have learned how to work with team and divide our task with each other and deal with the problem and error occur in this system.

#### • Problem Solving Skills

From this project, we have learned lots of problem-solving skills and also learned to recognize different errors occur in this system and solve it.

#### • Writing Skills

We have learned how to prepare proposal and documentation related with project and also learned to use different case tools for use case diagram, schema diagram, data flow diagram, and ER- diagram and so on.

#### Manage time

The most important lesson learnt was management of time according to the complexity of the system components i.e. know which components to prioritize.

#### 5.2. Conclusion

The sponsorship management system has been successfully developed with predefined objectives. This system fulfill all the objectives that have been set to develop this system and this system can be viewed by any user without registering but the user have to register and login the system to apply and donate for sponsorship. This system also provide easy and smooth user interface that can be used by non-technical users. This system becomes the bridge between sponsor and needy people as this system provide information about different sponsorships categories to the user and user can get all the information about

categories of sponsor and they can apply and donate for sponsorships. This system manages and organizes all the data and information of the sponsors' categories and users.

#### **5.3. Future Recommendations**

The development project could have been more efficiently handled with regards to design and development. The documentation process might have been better programming the project prior to any documentation. The system can be updated based on the users' requirements recommendation. The page load and server load speed might be improved.

Some of the future recommendation for this system are:

- Adding the feature of payment system.
- Include the feature of report generation.
- OTP (One Time Password) feature can be added.

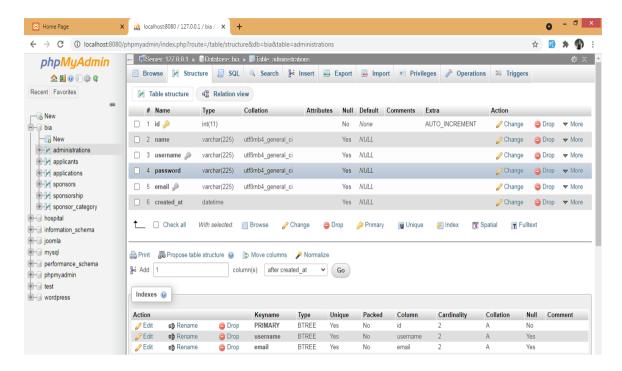
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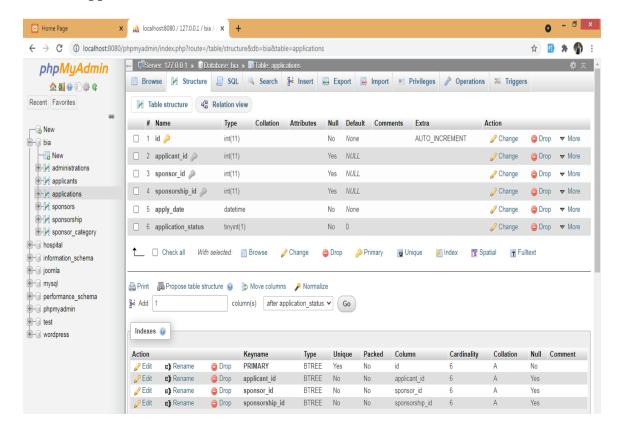
# APPENDIX: SYSTEM SCREENSHOTS

#### > Database overviews

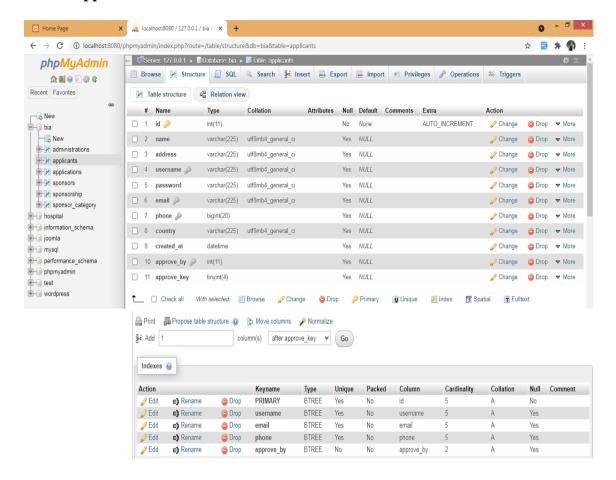
Administration Database



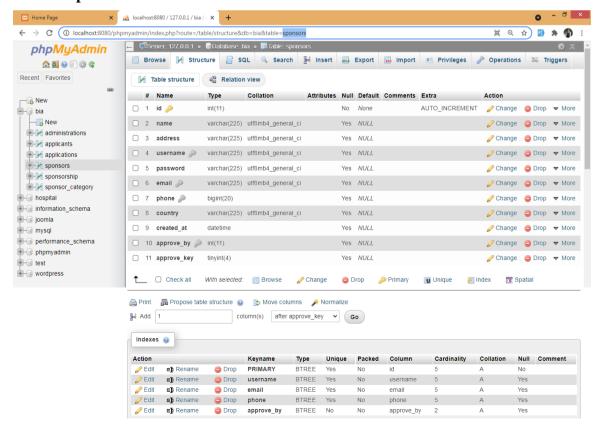
Applications Database



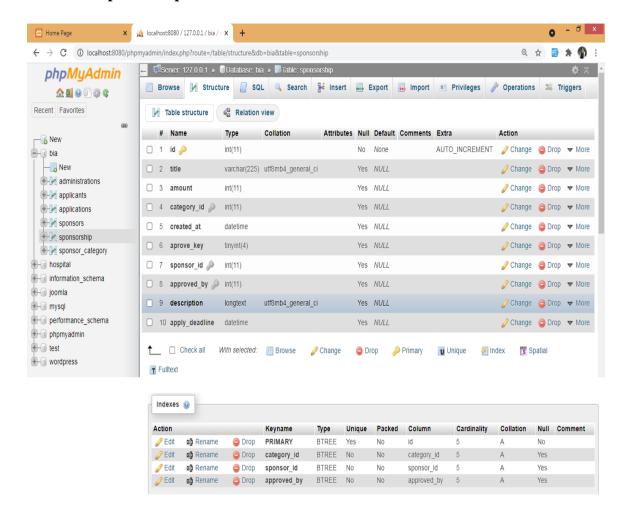
#### Applicants Database



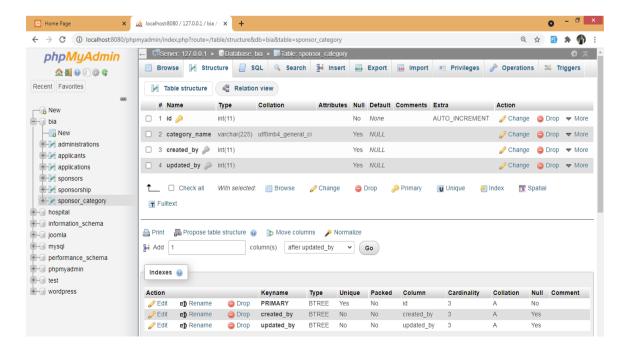
#### Sponsors Database



#### Sponsorship Database

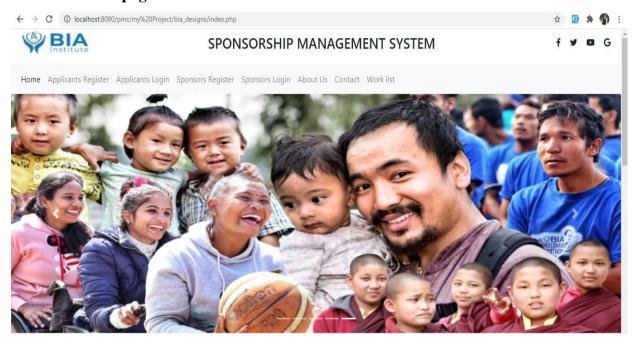


#### Sponsor Category Database



#### > Frontend Overview

Home page



#### Sponsorship list

# Donate Food for poor people

LIFE Charitable have been striving hard to give a happy and hopeful life to poor children and orphan

Read More...

#### Donate to Feed a Hungry Elder

The world is living through unprecedented times. The coronavirus (COVID-19) pandemic is causing disr

Read More...

#### Support Helpless Kids for Education

This project has been created by Community Development Center Kathmandu Nepal to assist 500 Orphaned

Read More...

#### Clothes for Orphan & Street Children

This project provides new dresses to the underprivileged children. 40 abandoned orphan children

Read More...

View More

#### Work Done



Today most of the BIA team took a day of rest in order to stay in good health for the.....

Read More.



BIA Foundation organized 3rd BIA Wheelchair Marathon and Blood Donation Program.....

Read More..



BIA Foundation is extending its workplace in Kirtipur, Kathmandu after Jorpati .....

Read More



BIA Foundation celebrated the 5th anniversary with great zeal. The event was graced.....

Read More.

View More

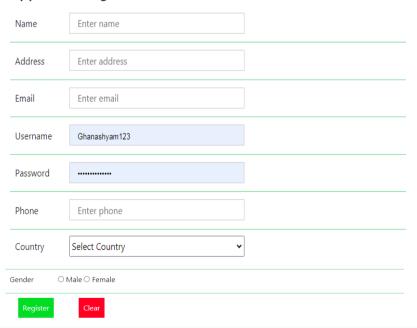
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# login page for admin

# Applicants Register Page

Home Applicants Register Applicants Login Sponsors Register Sponsors Login About Us Contact Work list

# **Applicants Register Form**



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### Applicants Login Page

Home Applicants Register Applicants Login Sponsors Register Sponsors Login About Us Contact Work list

# Applicants Login Username Ghanashyam123

 $\square$  Rembember Me

Password

	Commit
Logili	Carice

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BIA is a social non-government organization founded by Chogyal Rinpoche with the pure objective of helping the disabled and the underprivileged people.

Currently there are twelve different institutes run by the disabled people in Nepal under BIA Foundation.

# Sponsors Register Page

Home Applicants Register Applicants Login Sponsors Register Sponsors Login About Us Contact Work list

# **Sponsors Register Form**

Name	Enter name
Address	Enter address
Email	Enter email
Username	Ghanashyam123
Password	
Phone	Enter phone
Country	Select Country 🔻
Gender	○ Male ○ Female
Register	Clear

facebook youtube Instagram Google Contact Us

#### Sponsors Login Page

Home Applicants Register Applicants Login Sponsors Register Sponsors Login About Us Contact Work list

# **Sponsors Login**

Username	Ghanashyam123	
Password		
Rembeml	ber Me	
Login	Cancel	

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BIA is a social non-government organization founded by Chogyal Rinpoche with the pure objective of helping the disabled and the underprivileged people.

Currently there are twelve different institutes run by the disabled people in Nepal under BIA Foundation.

#### About Us Page

Home Applicants Register Applicants Login Sponsors Register Sponsors Login About Us Contact Work list

# About Us

BIA (Bodhisattvas In Action) Foundation

In Sanskrit, the meaning of Bodhisattva is an enlightened being but traditionally a Bodhisattva is anyone motivated by great compassion. Bodhisattva in Action (BIA) is a social non-government organization founded by Chogyal Rinpoche with the pure objective of helping the people with disabilities and the underprivileged people. Registered under the government of Nepal, BIA was established on August 27, 2014 continuously striving towards expanding our works in the disability sector by creating employment opportunities through harmonious communities for such people.

BIA firmly believes that there is nothing people with disabilities cannot do if they have the will and proper support provided to them. We provide handicraft trainings to around 150 people with disabilities through which they can learn the skills they want without having to pay for the training. About 50 people, whose houses are out of valley, are provided hostel facility including both accommodation and food without any fees charged.

We currently have 13 projects under which the students learn various handicraft skills. Thangka Institute, Applique Thangka Institute, Incense Institute, Tailoring Institute, Dhaka Institute, Carpet Institute, Bamboo Institute, Mala Institute, Statue Institute, Wood Carving Institute, Ritual Object Institute, Organic Farming and Art Therapy Class are the projects we have so far. We hope to achieve continuous growth and development through the efforts of creating sustainable projects to support the people with disabilities.

Vision: BIA supports ideas of taking actions to help those in need while at the same time set up the trend of doing something for others.

Mission: We seek to transform the world starting one person at a time! By fabricating projects with the aim to transform consciousness, we inspire all to act through loving compassion and create the most heavitful world imaginable.

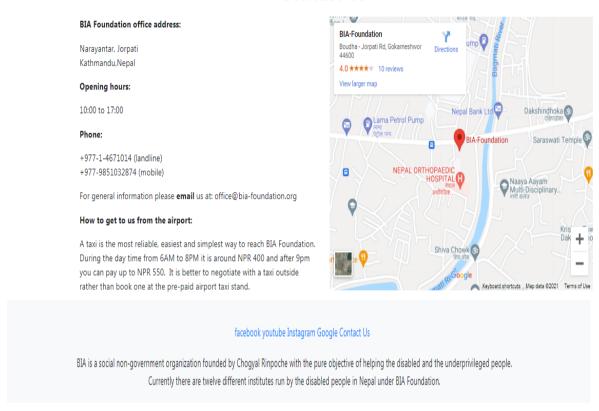
Goal: Our ultimate goal extends beyond the provision of initial support to generate employment opportunities for the disabled in the society. We aspire to continuous growth (working nationally and internationally) creating sustainable projects for all disabled people throughout the country.

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#### Contact Us page

Home Applicants Register Applicants Login Sponsors Register Sponsors Login About Us Contact Work list

# **Contact Us**

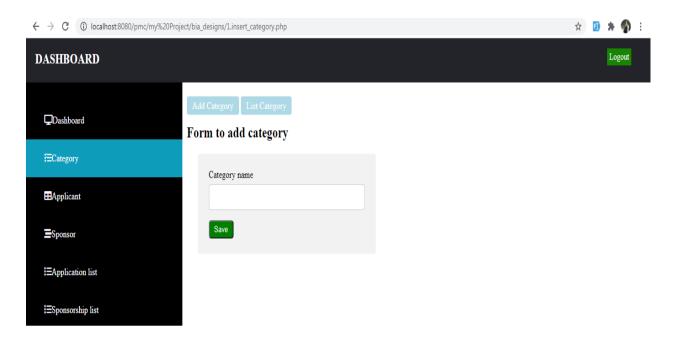


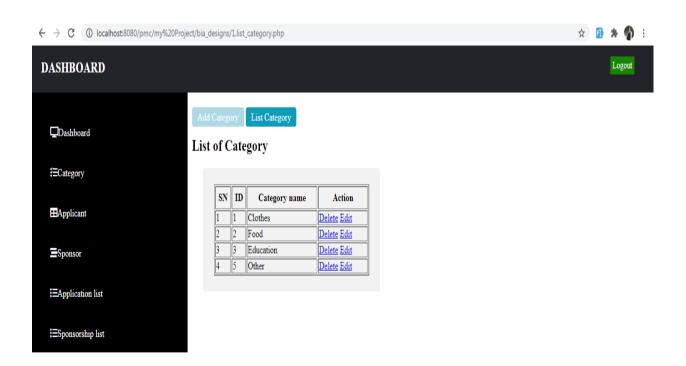
# > Frontend Dashboard

Dashboard

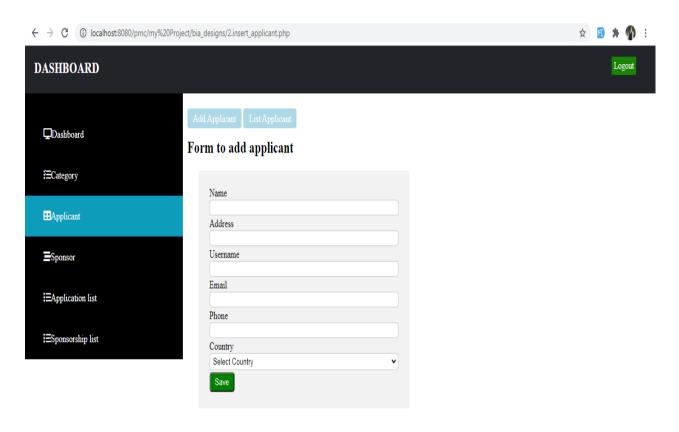


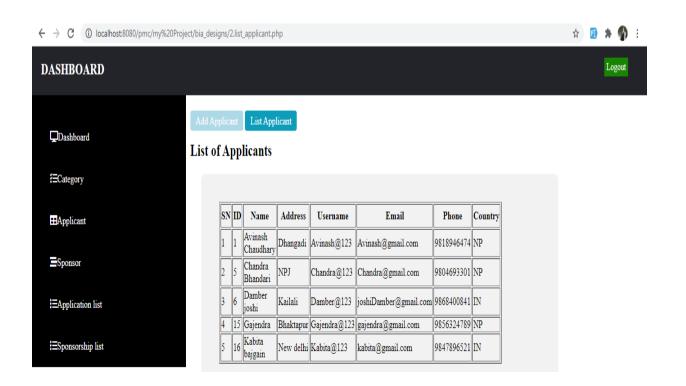
#### Category Page



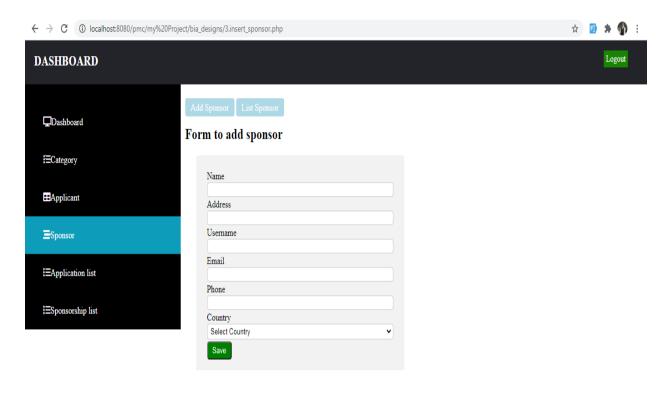


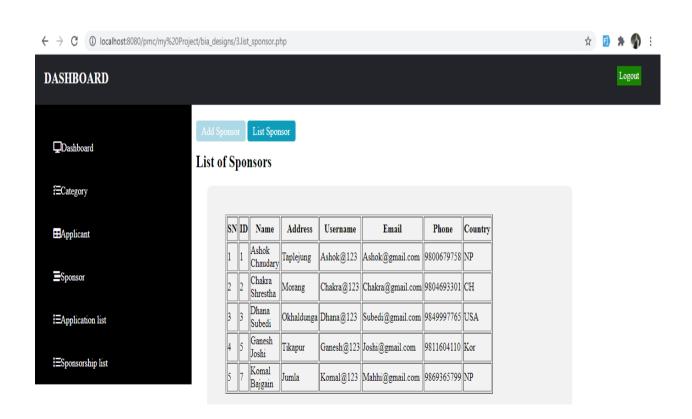
# Applicant Page



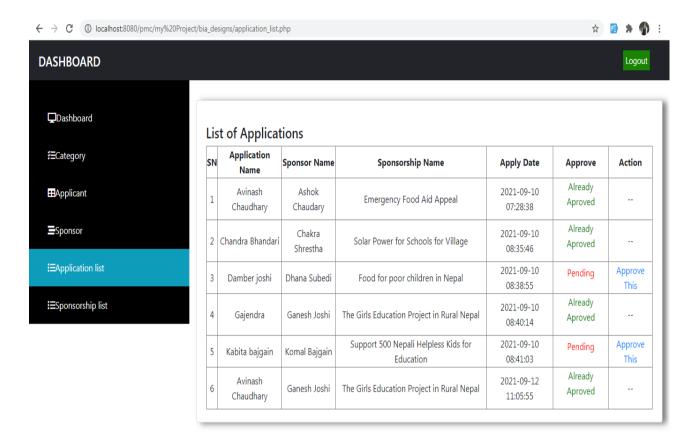


#### Sponsor Page





#### Application List Page



### Sponsorship List Page

