A project report

On

Hamro-Ad

Submitted in partial fulfillment of the requirement of

Project-V(BIT 378CO)

Of

Bachelor of Information Technology

Submitted to

Purbanchal university

Biratnagar,Nepal

Submitted By

MANI MAHARJAN (350375)

RUPAK THAPA (350381)

UDHAV BASNET (350387)

KANTIPUR CITY COLLEGE

Putalisadak,Kathmandu

May 28,2019

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Project Supervisor

RAJU KATTEL

LECTURER

KANTIPUR CITY COLLEGE

Putalisadak, Kathmandu

May 28,2018

TOPIC APPROVAL SHEET

It is hereby informed that the topic selected by Mani Maharjan, Rupak Thapa, Udhav Basnet of BIT V(BIT378CO) semester for their semester project has been found suitable and as per the credit assigned by Purbanchal University (PU), Biratnagar, Nepal.

The Project Committee has approved the following topic and supervisor for the above mentioned students.

Topic Approved: **Bikash Neupane**

_ _ _ _ _ _ _ _

Ashim KC

Asst.Program Coordinator,BCA &BIT

_ _ _ _ _ _ _ _

Saroj Pandey

DHoD, Department of IT

CERTIFICATE FROM THE SUPERVISOR

This is to certify that the project entitled **"Hamro-AD"** submitted by Mani Maharjan, Rupak Thapa, Udhav Basnet to the Department of Information Technology, School of Science and Technology at Kantipur City College, Kathmandu, Nepal towards the requirement for BIT Project V of is an original work carried out by them under my supervision and guidance.

Signature:

_ _ _ _ _ _ _ _ _ _ _

Mr **Raju Kattel**

Department of Information Technology

Kantipur City College

(Project Supervisor)

Place: Kantipur City College, Putalisadak, Kathmandu.

Date: May 28 2018

ACKNOWLEDGEMENT

We would like to express the deepest appreciations to our head of department, Principal **Raju Kattel**, who has the attitude and the substances of genius: he continually and convincingly conveyed a spirit of adventure in regard of research and scholarship, and an excitement in regard to guiding to study and prepared this project. Without his guidance's and persistence help this project would not have been possible.

Also we would like to thank our all class members, DHOD **Saroj Pandey**, Assistant Program Coordinator **Ashim KC** whose work demonstrated to the project members about the meaning and importance supported by engagement in competitive research and use of modern technology should always be addressed provide a frame work for the project members. In addition, the project members also thank to Lecturer **Bikash Neupane** of Kantipur City College who introduce the project members to Information Technology and whose enthusiasm for the "underlying characteristics of software development" had lasting effect.

We would thank the University of Purbanchal press for permission to include format of the project.

We would like to express sincere gratitude to the selection committee for considering correct subject for the project.

ABSTRACT

HTML,CSS,PHP,BOOTSTRAP,JS & My SQL is used to made this website. We have mainly designed this project for supervising Advertisment.

Hamro-AD is a software application for registration and posting of advertisement. The project reduce the time to search an Ads

Hamro-Ad provide a platform where user post their Ad.

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CHAPTER 1: INTRODUCTION

1.1 Background

- Hamro-Ad provides options for register new user, posting advertisement products and helps to advertise their products,brands,jobs,houses etc

1.2 Objectives

- The main objective of this project is to provide advertisement platform
- To provide easy access of Advertisement.
- To view desirable products,brands,jobs,houses advertisment

1.3 Significance

- This project is made for Advertising Purpose.
- The relevancies of the project multiply if any further modification is done and the extravagant software development cycle with graphical properties it could have its presence in the today's software market.

1.4 Features

The program provides the functions to submit Ads for users

1.5 Organization of Document

Chapters	Heading	Contains(Topics)
Chapter 1	Introduction	1.1 Background 1.2 Significance 1.3 Objectives 1.4 Features 1.5 Organization of document
Chapter 2	Literature Review	2.1 Overview of existing system 2.2 Limitations of existing system
Chapter 3	System Analysis	3.1 Requirement Specification 3.1.1Functional 3.1.2 Non Functional 3.2 User Requirement 3.3 Constraint 3.4Feasibility 3.4.1 Technical Feasibility 3.4.2 Economical Feasibility 3.4.3 Legal Feasibility
Chapter 4	System Design	4.1 Context Level Diagram 4.2 Level 0 Diagram 4.2. ER-Diagram 4.2.3Use Case Design

CHAPTER 2: LITERATURE REVIEW

2.1 Overview of Existing System:

The website(sabaikoad.com) has the functionality of managing the advertisement activities. Inside the website, we can admit the advertisement and see the advertisement information and the user details.

2.2 Limitation of Existing System:

- Users cannot directly message to advertiser
- Poor Search

CHAPTER 3: SYSTEM ANALYSIS

System analysis is phase of website development where a system requirement, initial investigation, requirement analysis and feasibility study are performed.

3.1 REQUIREMENT ANALYSIS

The requirement analysis is the process where the requirements related to the system development are collected.

3.1.1 FUNCTIONAL REQUIREMENT

The functional requirements of the system are as follows:

1. Advertisement: Advertisement data should be entered in order to add the advertisement details.
2. Username and password: In order to login to the system user must enter the user name and password.
3. External interface: There are various interfaces in the system. At first there appears the home page and have a login page, after successful login the users menu appears, and we can select one option from various options.

3.1.2 NON-FUNCTIONAL REQUIREMENT

Non-functionality requirement includes the following;

1. Usability: This website is usable to the admin & user. It completely reduces the advertisement search time.

2. Reliability: Since the system is password protected, the system is reliable to store data. The database is maintained with My SQL so the data is secure for further use.
3. Performance: This system takes minimal amount of time to response given piece of task.
4. Backup: Data and information are backed up in the hard drive of the computer & server. My SQL is used for backing up data.

3.2 USER REQUIREMENT

The user requirement can be collected by asking the question directly to the user or by conducting interview and questionnaires. Since we are developing this project in a partial fulfillment of the requirement for Bachelor degree of Bachelor in Information Technology, there is no any end user for this project. So we gather some information by asking to our classmates.

3.3 CONSTRAINTS

- It is online based system
- Only admin/user has access to the system

3.4 FEASIBILITY STUDY

In a feasible study we have to perform feasibility analysis of a current system and the proposed system. A feasibility study is done to identify the deficiencies in the current system and find the objective of the proposed system. There are many types of study that needs to be consider but following are the major study we performed while developing this project.

3.4.1 TECHNICAL FEASIBILITY

Here we analyze the technical aspects of the project. The various technical aspects such as hardware and software were taken into consideration while developing this project. Further, we also make sure that this software is feasible for the person who uses it.

3.4.2 ECONOMIC FEASIBILITY

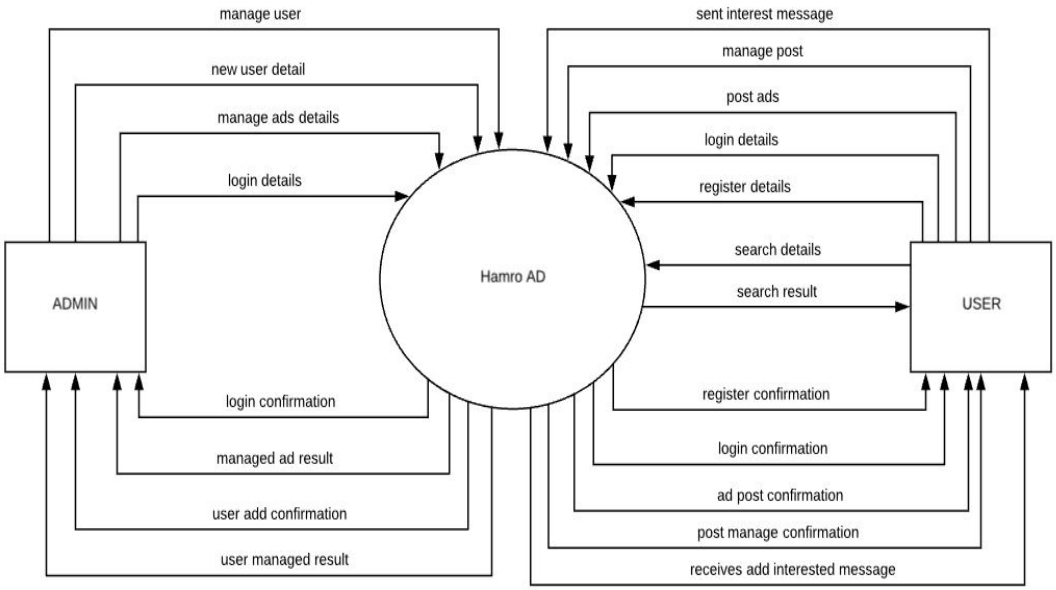
Here we deal with the cost benefit of the project. Since this project is developed to meet our academic project, therefore there is no any refund.

3.4.3 LEGAL FEASIBILITY

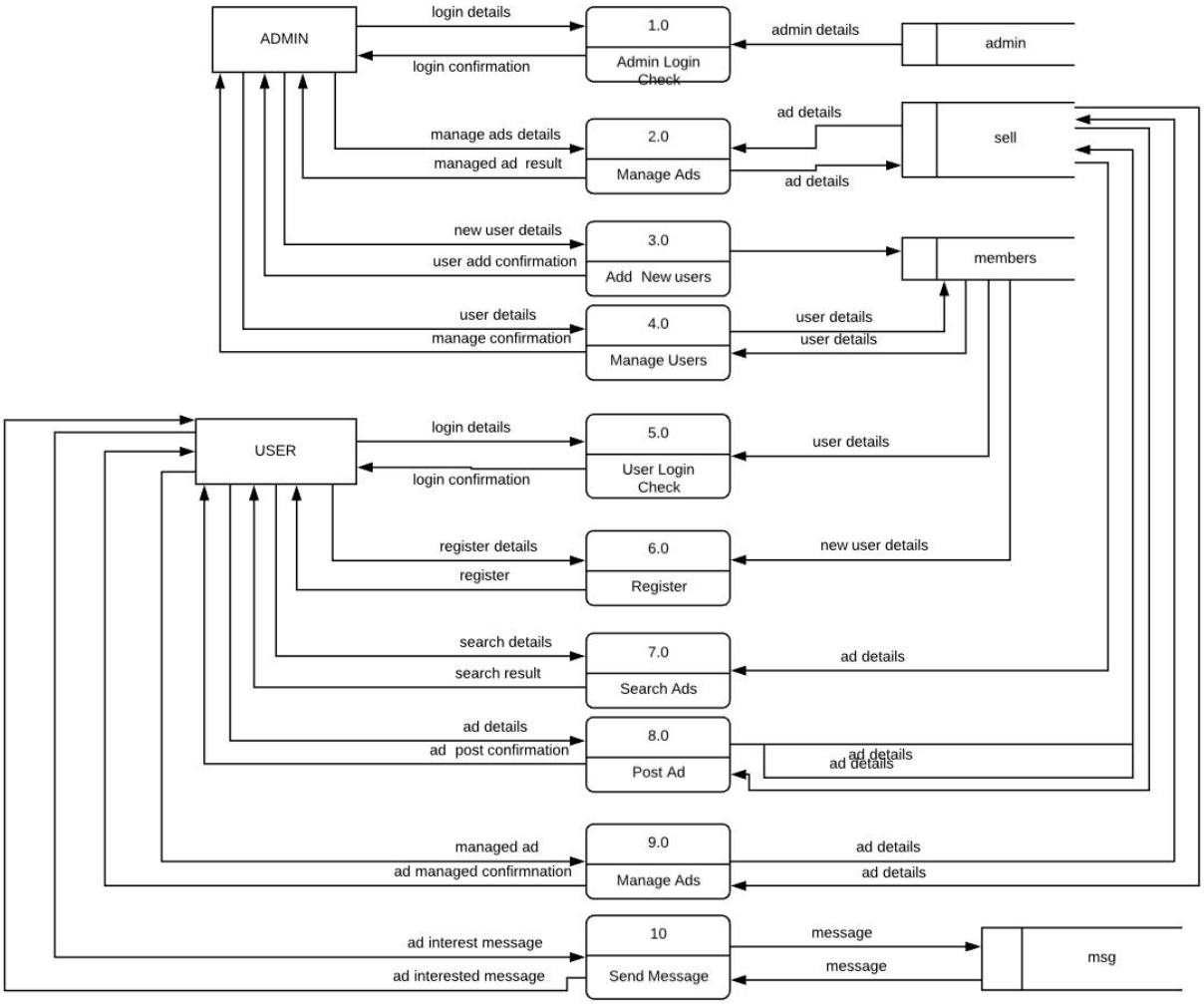
This was done by going through all the legal requirement of the government of Nepal. Legal feasibility ensured that our project didn't have any conflict with the outlaws of Nepal.

CHAPTER4: SYSTEM DESIGN

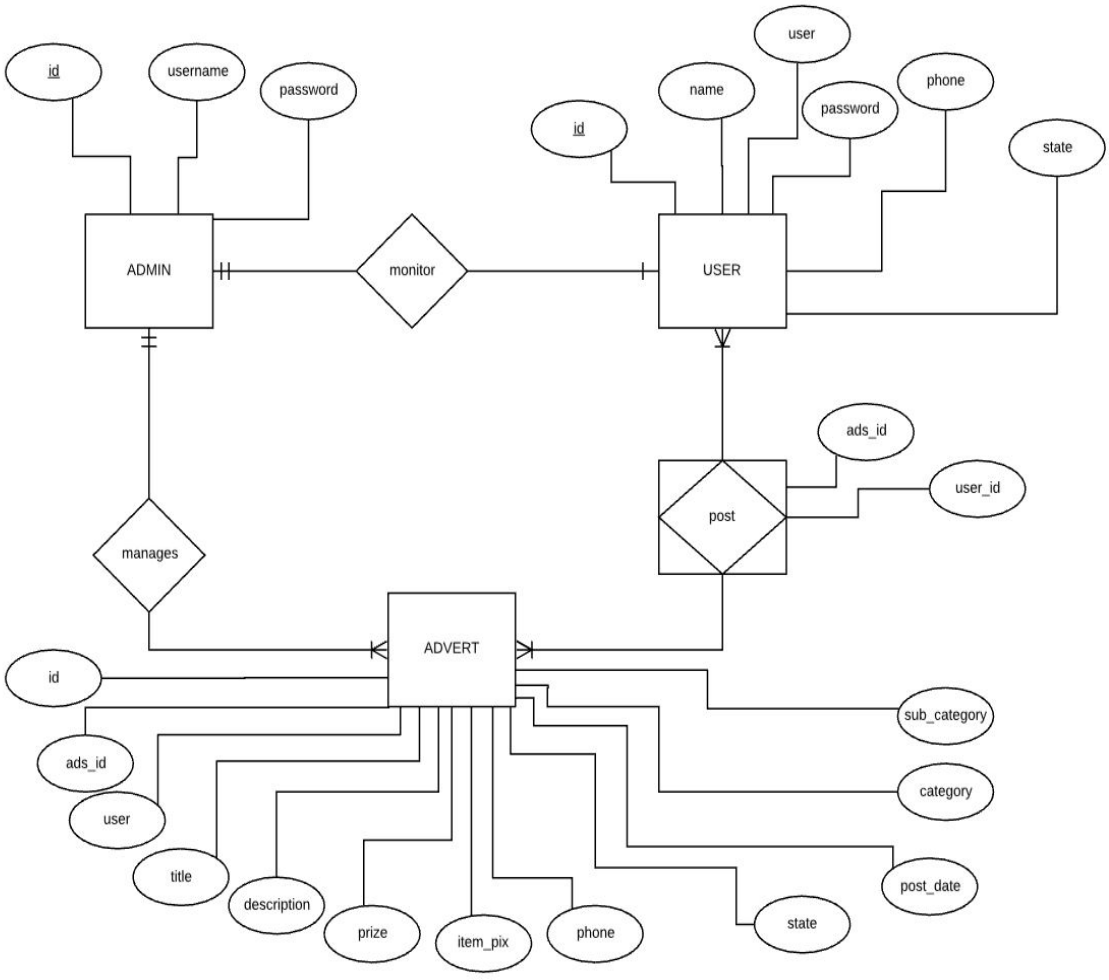
4.1 Context Level Diagram



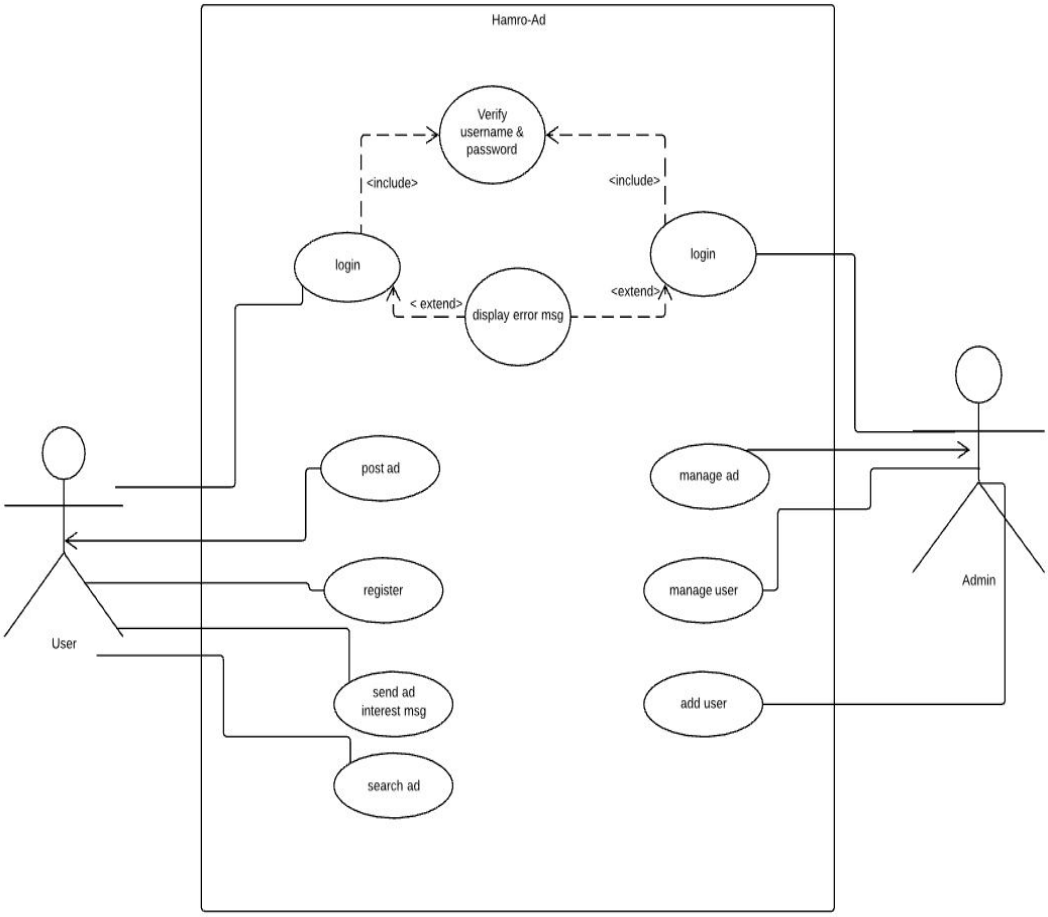
4.2 Context Level Diagram Level 0



4.3 ER- Diagram



4.4 Use Case Diagram



CHAPTER5: SYSTEM DEVELOPMENT & IMPLEMENTATION

5.1 PROGRAMMING PLATFORM

5.1.1 FRONTEND PLATFORM

PHP,HTML,CSS,JS,Bootsrap, has been used as frontend platform to develop this system. Among various tools available in the market, we have chosen Notepad++ & Visual Code for the IDE.

5.1.2 BACKEND PLATFORM:

PHP & MY Sql has been used as backend platform for storing the data more systematically and reliably. My Sql has been effective database tool for data storage in previous projects

5.2 Testing

Test case	1
Test objective	To check whether website runs or not
Test data	Running the website
Expected result	Home screen should display properly
Test result	Home screen appears correctly
conclusion	Expected result matches actual result

Test case	2
Test objective	To check whether login is successful
Test data	Entering username and password
Expected result	User should be logged into the system
Test result	User is logged in to the system
conclusion	Expected result matches actual result

Test case	3
Test objective	To check whether website displays all menus or not
Test data	Open the user home details
Expected result	All option should be displayed properly
Test result	User Home option are displayed correctly
conclusion	Expected result matches actual result

Test	4
Test objective	To check all options are right or not
Test data	Open my ads
Expected result	All option is right
Test result	All options appear correctly
conclusion	Expected result matches actual result

Test	5
Test objective	To check all options are right or not
Test data	Open edit profile
Expected result	All option is right
Test result	All options appear correctly
conclusion	Expected result matches actual result

Test	6
Test objective	To check all options are right or not
Test data	Open post new ad
Expected result	All option is right
Test result	All options appear correctly
conclusion	Expected result matches actual result

Test	7
Test objective	To check all options are right or not
Test data	Open message
Expected result	All option is right
Test result	All options appear correctly
conclusion	Expected result matches actual result

Test	8
Test objective	To check all options are right or not
Test data	To check logout user
Expected result	All option is right
Test result	All options appear correctly
conclusion	Expected result matches actual result

5.2.1 RESULTS

S.No	Test objectives	Results
1	To check whether website runs or not	successful
2	To check whether login is successful	Successful
3	To check whether website displays user details	Successful
4	To view user detail no or not	Successful
5	To view my ads is view or not	Successful
6	To view edit profile is view or not	Successful
7	To view post new ad is view or not	Successful
8	To view user message is view or not	Successful

5.3 Gantt Chart

Date / Activities	Apr 20- May 1	May 2 - May 10	May 11 - May -20	May -21 May-23	May -24 May 28
Information gathering					
System requirement and Analysis					
Documentation					
Coding					
Testing					
Implementation					

Working Days

Chapter 6

Conclusions

With the dedication of the project members by following group leader after the hard work of three months, regular meeting with supervisor, gaining knowledge from different teachers, researching different similar projects and by using basic knowledge the project member had gained their objectives. After the end of the project, the project members learned to solve the problems using php ,html,mysql,bootstrap and to use database in website. The project member learned to design & coding the project, which the project members had desired.

Program's weakness

As we know that, no any program can be 100 % reliable and efficient. So, there are also drawbacks in this system which is as follows

- It is not able to show trending ads

Program's strength

There are various beneficial features of this program such as: -

- It is user-friendly system. It is easy to use just by following the instruction that appears in the screen.
- It is password protected so only admin can access the system.
- MYSQL is used as database. It helps to store data more efficiently.

REFERENCES

The following references were used for the completion of the project.

- **Alan Cooper, "*The Essential of User Interface Design*", Wiley Dream Tech India P. Ltd.**
- **Abraham Silberschatz, "*Database System Concepts",* Yale University**
- **Francesco Balena, "*Programming in PhP"***