

A PROJECT REPORT ON

“STUDENT MANAGEMENT SYSTEM”



DEPARTMENT OF COMPUTER APPLICATION

NANDA NATH SAIKIA COLLEGE

TITABAR -785630

ASSAM

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UNDER THE GUIDANCE OF

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ACKNOWLEDGEMENT

We sincerely take the opportunity to express our heartfelt thanks and gratitude to all those who extended their wholehearted co-operations, opinions and gracious hospitality to us in completing the project work successfully.

We would like to acknowledge our gratitude towards our teachers at **Nanda Nath Saikia College** under the egis of **Dibrugarh University** ,for their understanding provision of sound counsel and precious guidance. Finally ,we wish to thank our friends for their support.

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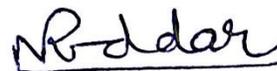
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CERTIFICATE OF EXAMINATION

This is to certify that the project work “**Student Management System**” jointly submitted KAKUMONI SAIKIA, ARNOB CHOUDHURY, BIDYUT HANDIQUE for the 2nd semester of **PGDCA** course is a bonafide project work carried out by them under my supervision .

I wish them all success in future.

Thanks,



HOD

Deptt. of Computer Science
N.N. Saikia College

MR. NILOTTAM PODDAR

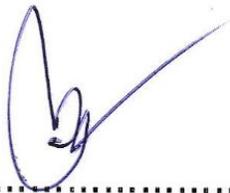
H.O.D

Department of Computer Application

N.N. Saikia College, Titabar

CERTIFICATE OF EXAMINATION

This is to certify that KAKUMONI SAIKIA, ARNOB CHOUDHURY, BIDYUT HANDIQUE, 2nd Semester students of PGDCA discipline of **N.N. Saikia College, Titabar** have successfully submitted their project on “**Student Management System**” that was completed under the guidance of Mr. Nilottam Poddar and Mr. Pranjal Borah.



.....
Signature of External



.....
Signature of Internal

DECLARATION

We , KAKUMONI SAIKIA, ARNOB CHOUDHURY, BIDYUT HANDIQUE hereby declare that the project work entitled “**Student Management System**” is an authentic work carried out by us for the partial fulfillment of , 2nd semester of PGDCA of Dibrugarh University. This report has not been anywhere else for the award of any degree or diploma.

BIDYUT HANDIQUE
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1.TITLEOF THE PROJECT:

The project is entitled by "College Student Management System".

2.PROJECT DEFINATION:

The college student management system can handle all the details about the student.The details include student personal details, course details,academic details etc.The college student management system is an automated version of manual student management.

3.OBJECTIVES:

Some of the basic objectives are as follows-

- *To manage all the information of the student,result etc.
- *To built an application program to reduce the manual work for managing.
- *To give correct information on each student.

4.TOOLS USED IN THE PROJECT:

Operating system used-windows 7

IDE used :Dreamweaver

SERVER Used :Wamp Server

Database used : phpMyAdmin

About PHP:

Hypertext preprocessor(or simply PHP) is a server-side scripting language designed for Web development, but also used as a general-purpose programming language. It was originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by The PHP Group. PHP originally stood for personal Home Page, but it now stands for the recursive acronym PHP: Hypertext pre-processor.

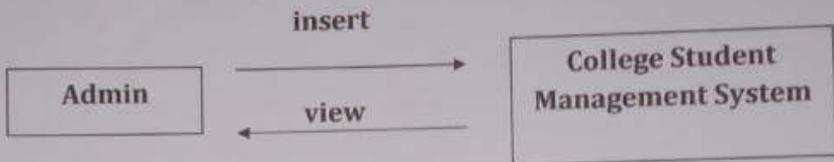
5. DFD (DATA FLOW DIAGRAM):

A Data Flow Diagram (DFD) is traditional visual representation of the information flows within a system. A neat and clear DFD can depict a good amount of the system requirements graphically. It can be manual, automated or combination of both.

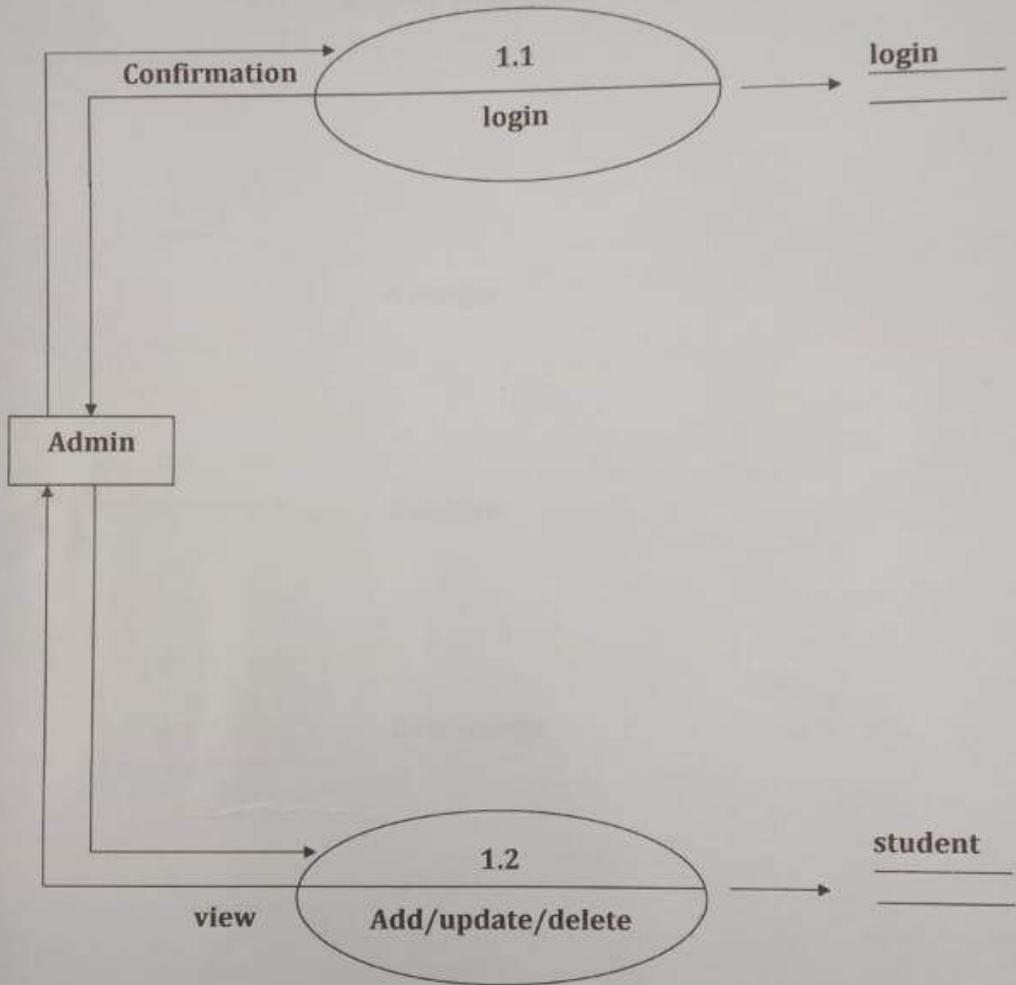
It shows how information enters and leaves the system, what changes the information and where information is stored. The purpose of a DFD is to show the scope and boundaries of a system as a whole. It may be used as a communication tool between a system analyst and any person who plays a part in the system that acts as the starting point for redesigning a system.

It is usually beginning with a context diagram as the level 0 of DFD diagram, a simple representation of the whole system. To elaborate further from that, we drill down to a level 1 diagram with lower level functions decomposed from the major functions of the system. This could continue to evolve to become a level 2 diagram when further analysis beyond level 3 is not very common. Please bear in mind that the level of details for decomposing particular functions really depending on the complexity that functions.

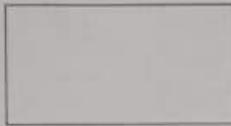
CONTEXT LEVEL DFD



Level1 for Admin



The following diagrams illustrate notations and symbols used to construct DFD :-



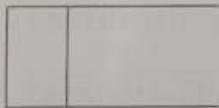
A source (origination) or destination of system data



A process



Data flow



Data storage



Report or output from the system

6. DATA DICTIONARY:-

Admin:

Sl No	Field Name	Description	Key
1	User	Username of the admin	
2	Password	Password of the admin	

Add Student:

1	Id	Id of the student	Primary Key
2	Name	Name of the student	
3	Stream	Stream of the student	
4	Roll	Roll of the student	
5	Course	Course of the student	
6	Major/ Non Major	Major/Non major students of the student	
7	Department	Department of the student	
8	Guardian name	Guardian name of the student	
9	Local guardian name	Local guardian name of the student	
10	Address	Address of the student	
11	DOB	DOB of the student	

7. DATABASE DESIGN

The screenshot shows the phpMyAdmin interface for a MySQL server named 'localhost'. The current database is 'student'. A table named 'login' is selected, and its structure is displayed in a table format.

Table	Action	Records	Type	Collation	Size	Overhead
login		1	MyISAM	latin1_swedish_ci	1.0 Kib	-
student		1	MyISAM	latin1_swedish_ci	2.1 Kib	-
2 tables	Sum	2	MyISAM	latin1_swedish_ci	3.1 Kib	0.8

Below the table structure, there are options to 'Check All / Uncheck All' and 'With selected'. There is also a 'Print view' and 'Data Dictionary' link. A form to 'Create new table in database student' is visible, with a 'Name' field and a 'Number of fields' field. A note at the bottom says 'May be approximate - See FAQ 3.11'.

LOGIN

The screenshot shows the phpMyAdmin interface for the 'student' database, specifically the 'login' table. The table structure is displayed, and a query has been executed, showing the results in a table format.

SELECT	FROM	USING
LOGIN	login	USING

The query results show a single row with the following data:

username	password
admin	12345

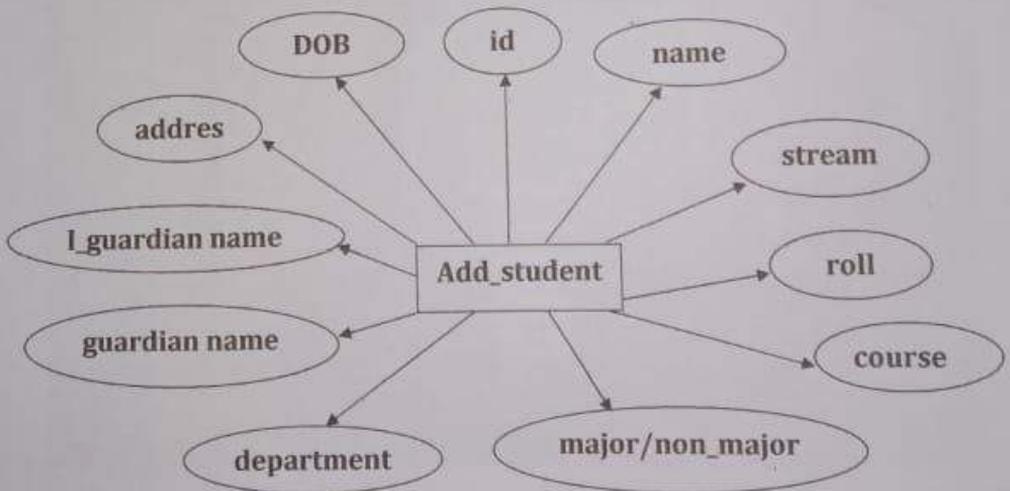
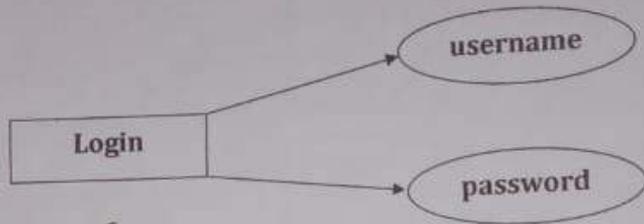
Below the query results, there are options to 'Print view', 'Print view (with full header)', 'Export', and 'CREATE VIEW'. A note at the bottom says 'Open new phpMyAdmin window'.

ADD STUDENT

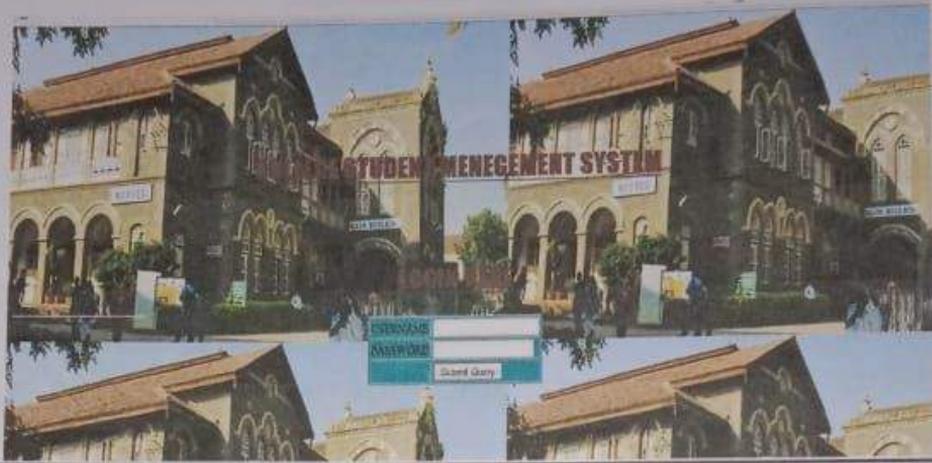
The screenshot shows a web browser window with a database interface. The browser's address bar shows a URL starting with 'http://localhost/'. The page title is 'localhost / localhost / php...'. The interface includes a navigation menu with options like 'Home', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Operations', 'Empty', and 'Drop'. A sidebar on the left contains 'Operations' and 'student (0)'. The main content area displays a SQL query: 'SELECT * FROM student ORDER BY ID'. Below the query, there are controls for 'Show 20 rows starting from record # 0', 'Horizontal' view, and 'Sort by ID: None'. There are also checkboxes for 'Partial Texts', 'Show heavy contents', and 'Hide browser transformation'. The query result is a table with 11 columns: ID, Name, Stream, Roll, Course, Major, Department, Guardian, Local, Address, and DOB. The table contains 5 rows of student data.

ID	Name	Stream	Roll	Course	Major	Department	Guardian	Local	Address	DOB
1	Dipika	Arts	13	BA	Major	Sociology	Ravi	No	Eden	1
2	Isabella	Science	23	BSC	Major	Botany	Rex	No	Madhupur	4
3	Pooja	Arts	30	BA	Major	Education	Pooja	No	Tribeni	8
4	Mansi	science	47	BSC	Major	Maths	Dipika	No	Eschiba	6
5	Pooja	Arts	42	BA	Major	Assamese	Dipik	No	Golghat	23

8. ER DIAGRAM



LOGICAL DESIGN:-



SALARY	LOCATION	DATE
Student Query		
Name	<input type="text"/>	
Branch	<input type="text" value="MCA (MCA)"/>	
Roll	<input type="text"/>	
Course	<input type="text" value="B.E. / B.T. / B.TECH"/>	
Year/Section	<input type="text"/>	
Department	<input type="text"/>	
Enrollment	<input type="text"/>	
Full name	<input type="text"/>	
Address	<input type="text"/>	
DOB	<input type="text"/>	
	<input type="text" value="SEARCH"/>	

CONCLUSION

The College Student Management System is actually software which handles the essential data and save the data of all the college's students. The system has been developed with simple user interaction, efficient and less time consuming. The application provides appropriate information to users according to choosen service. The project is designed keeping in view the day to day problems faced by a college. It helpful to perform paperless work and manage all data and provides easy, accurate, unambiguous and faster data access.

BIBLIOGRAPHY

- www.google.com
- www.youtube.com
- Internet World wide web how to program, pearson education
- Other resources from net and friends.