

**SCHOOL MANAGEMENT**  
**SYSTEM**  
**SYNOPSIS**

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## Synopsis

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# **Synopsis**

## **1. Title of Project**

**SCHOOL MANAGEMENT SYSTEM**

## **2. Introduction**

School management system is a website which can be used in various schools to manage their school data online and manage different profiles i.e: student, teachers, admins data.

Stores database that include database for registered admins, students, teachers.

The user here is a visitor:

1. admins
2. teacher
3. student

This website is useful for the schools because schools data is growing day by day and some schools still follow register method to maintain its data, but using this they can manage their data online.

## **3. Objectives**

The aim of this project is to develop a database with the following objectives: -

- The main purpose is to provide the information regarding every student's marks, their attendance their fees.
- Retrieval of any data based on certain criteria.
- Storage of data, and its maintenance in a consistent manner.
- Easy to use, interface with menus and forms with clearer navigability.

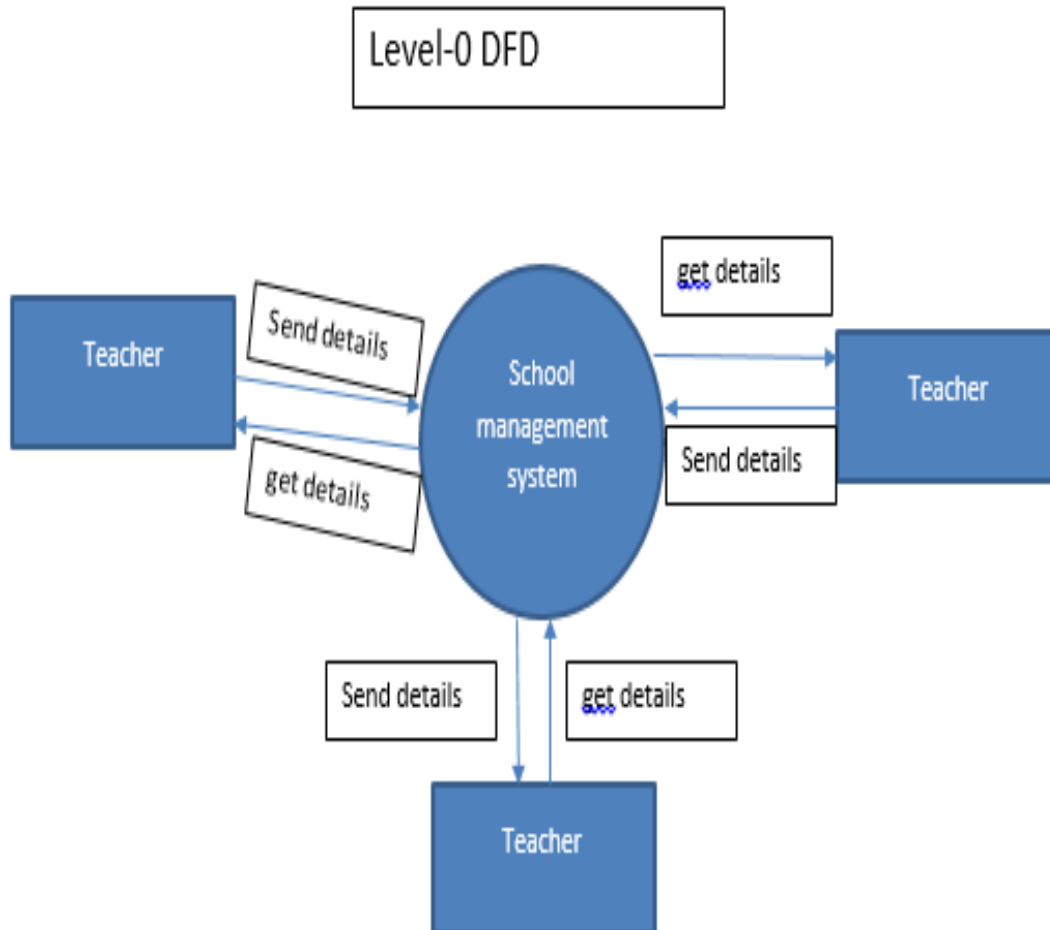
## **4. Project Category**

**OOPS (OBJECT ORIENTED PROGRAMMING)**

## Synopsis

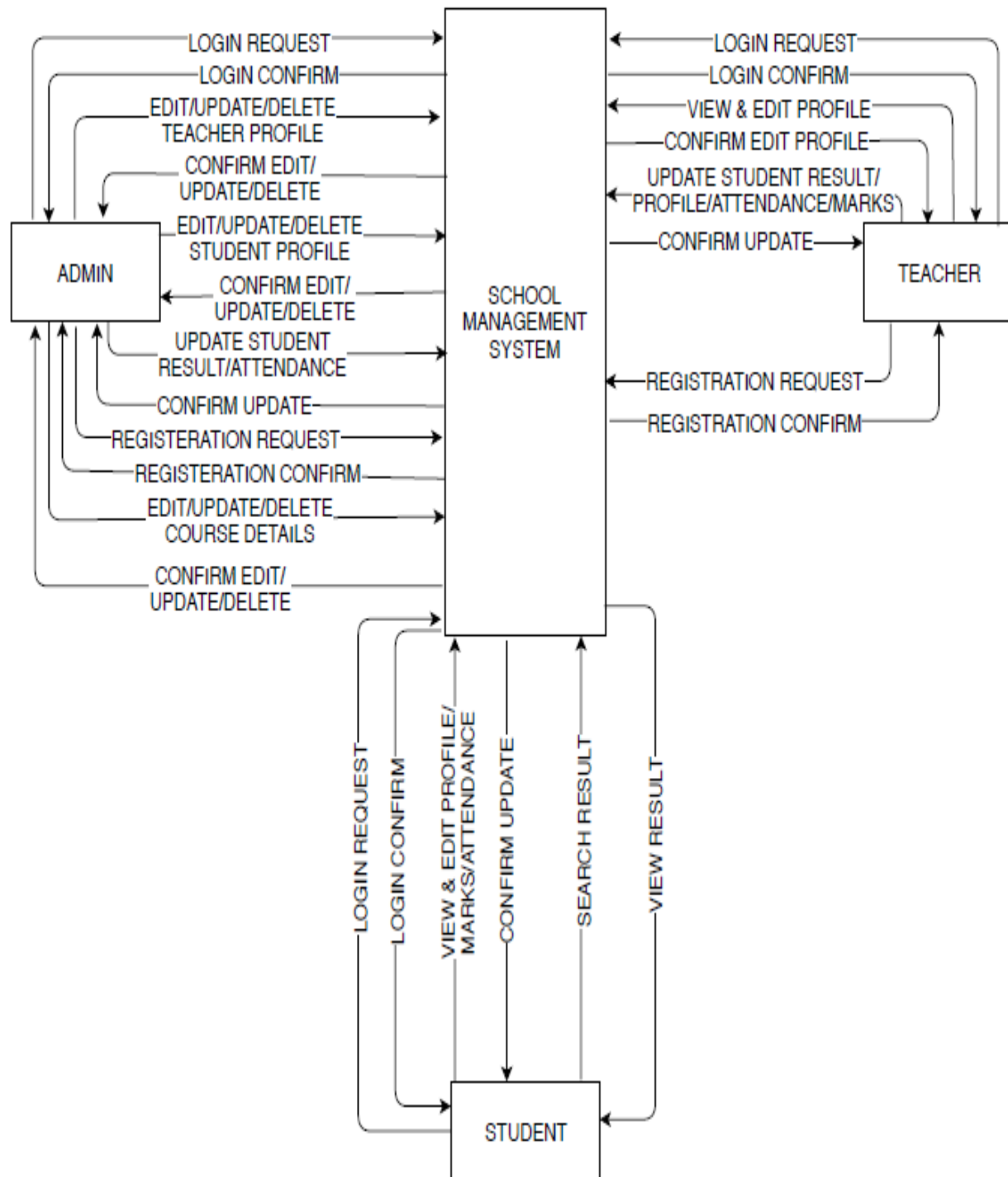
### 5. Analysis

#### DFD LEVEL 0



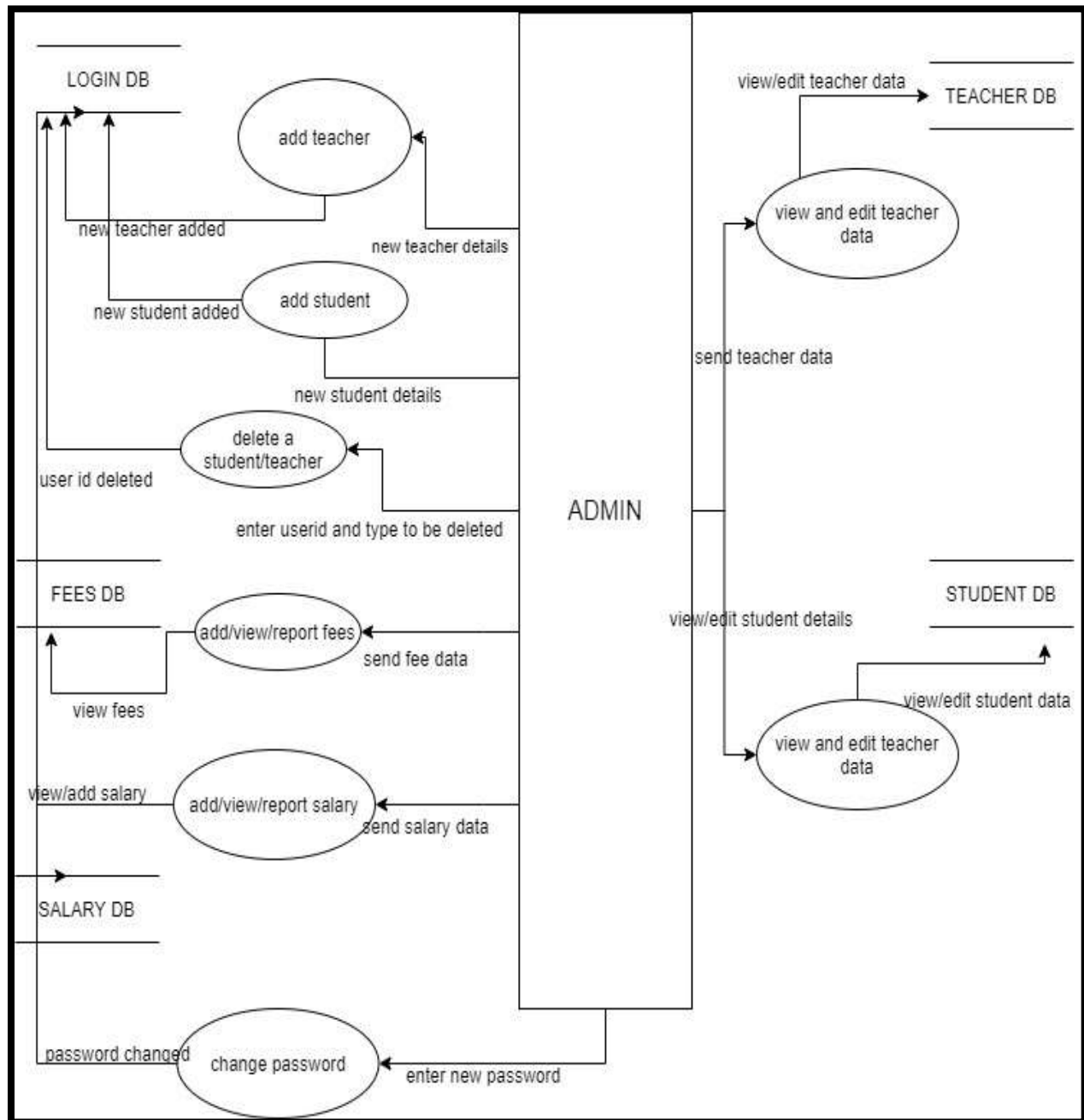
## Synopsis

### DFD LEVEL 1



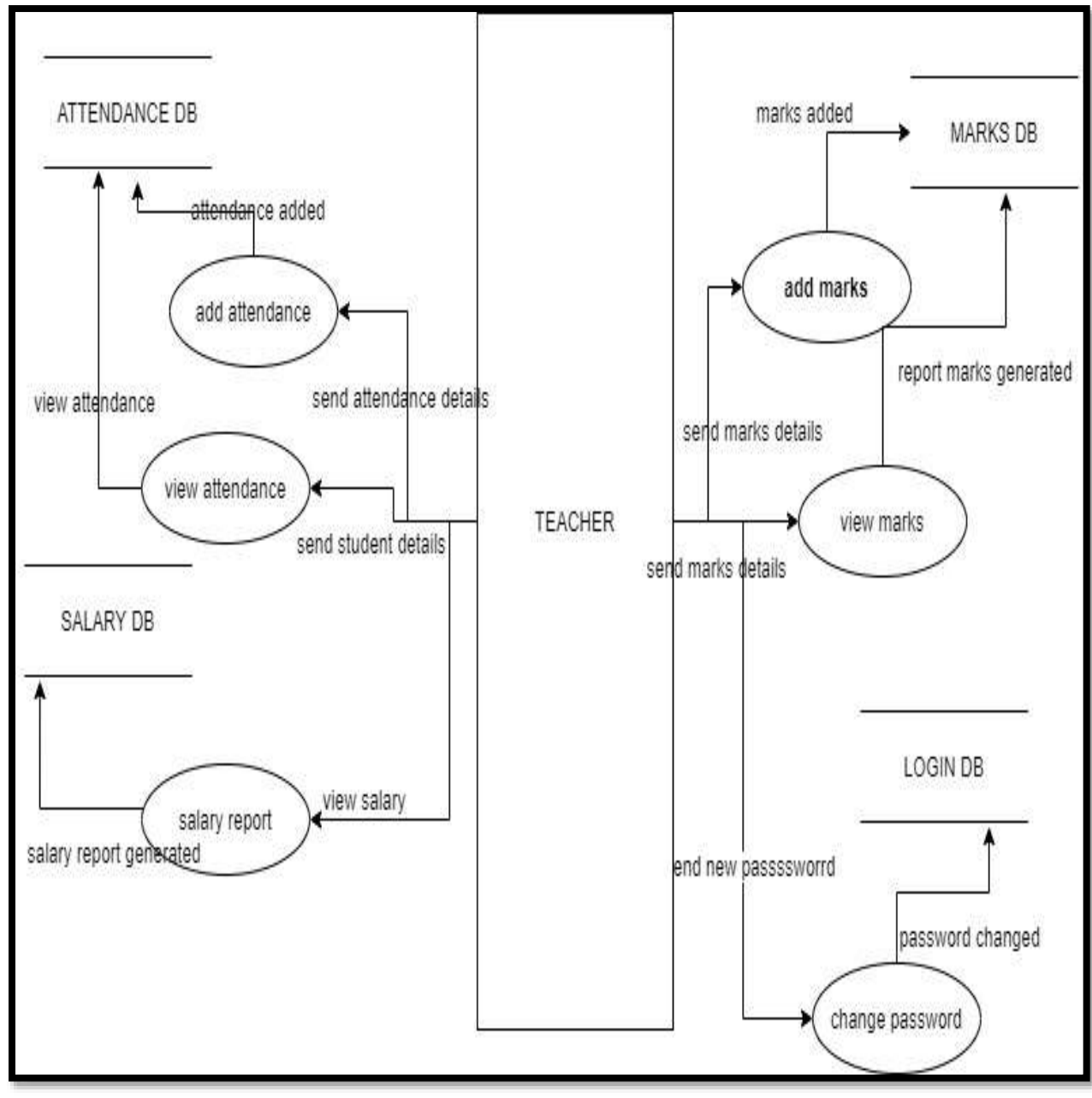
## Synopsis

### DFD LEVEL 2(ADMIN SIDE)



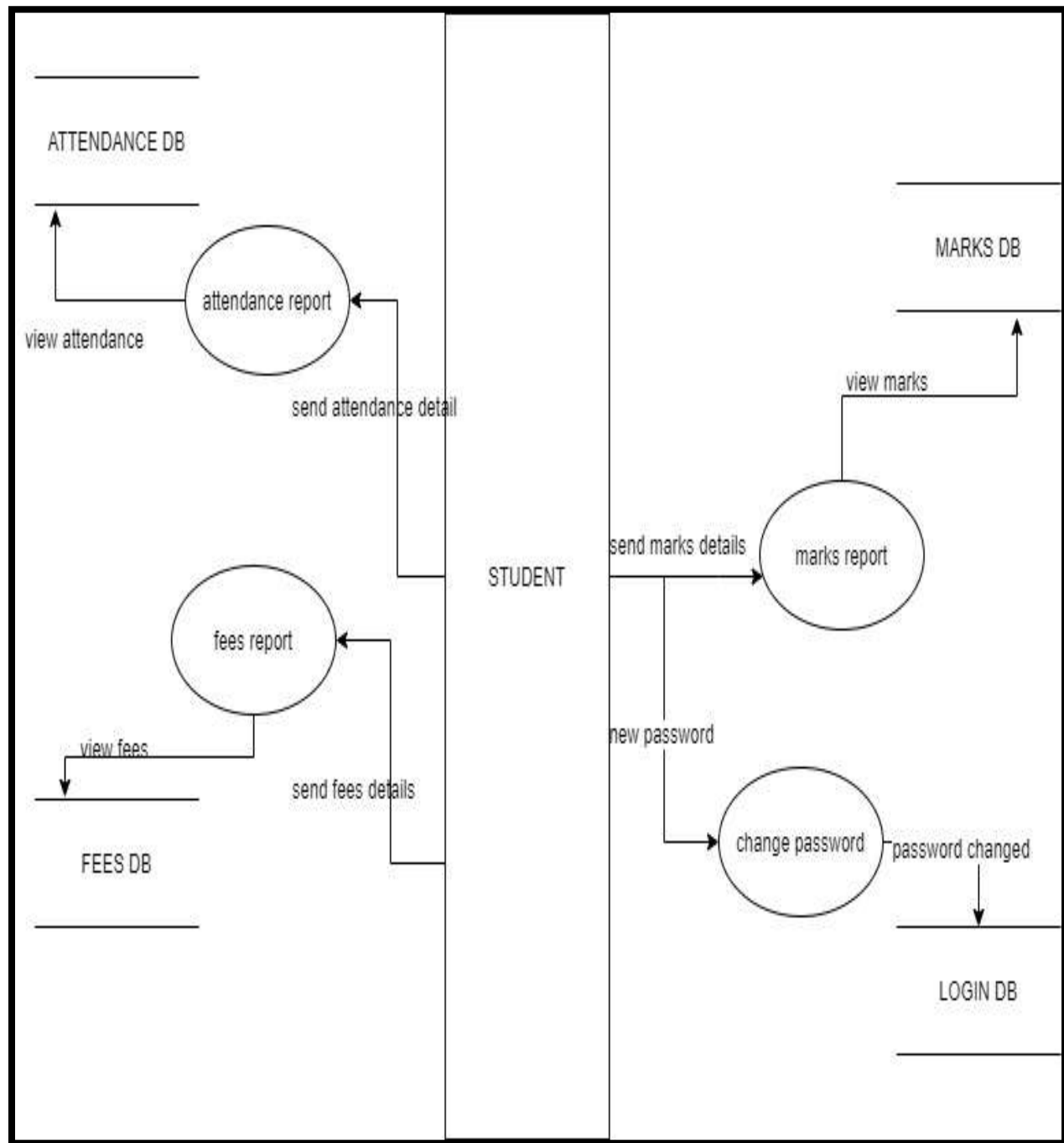
## Synopsis

### DFD LEVEL 2(TEACHER SIDE)



## Synopsis

### DFD LEVEL 2(STUDENT SIDE)





## Synopsis

### 6. COMPLETE STRUCTURE OF MODULE

#### 6.1 Description of Modules

S. No	Module Name	Description
1	Home	In this module it displays the home page of the school management system.
2	Login	In this module existing user can log in to the account.
3	Register	In this module new user can register by entering the required data.
4	About school	In this module the full and complete details of the school.
5	Forgot password	In this module the user can set a new password in case it is forgotten.
6	Contact us	In this module if a user wanted to contact the school.
7	Feedback	In this module a user can give feedback.
8	Change Password	It helps in changing password of the account.
9	Add new student/teacher	In this module the admin can add new student/teacher
10	Delete entry	In this module the admin can delete the entry of student/teacher.
11	View/edit attendance	In this module attendance can be viewed and edited.
12	View/edit marks	In this module marks can be viewed and edited.
13	View/edit fees	In this module fees can be viewed and edited.

## Synopsis

### Functional testing

Functional testing is a formal type of testing performed by testers. Functional testing focuses on testing software against design document, Use cases and requirements document. Functional testing is a black box type of testing and does not require internal working of the software unlike white box testing.

### DATA MODELING

Data Modeling defines primary data objects, composition of each data object, and attributes of the object, relationships between each object and other objects and between objects and the processes.

### List of Tables:

Table-1: LOGIN

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
USERID	VARCHAR	10	It specifies the id
PASSWORD	VARCHAR	20	It specifies the Password
NAME	VARCHAR	30	It specifies the username
EMAIL	VARCHAR	30	It specifies the user mail
REG_DATE	DATE	10	It specifies the user reg date
TYPE	VARCHAR	20	It specifies the user type
ADDRESS	VARCHAR	500	It specifies the user address
COURSE	VARCHAR	20	It specifies the usercourse

## Synopsis

Table-2: ATTENDANCE

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
USER_ID	VARCHAR	10	It specifies the USER_ID.
NAME	VARCHAR	20	It specifies the USERNAME
MONTH	NUMERIC	10	It specifies the MONTH
PEIROPD	NUMERIC	10	It specifies the PEIROPD
PRESENT_DAYS	NUMERIC	10	It specifies NUMBER OF PRESENT DAYS
TOTAL_DAYS	NUMERIC	10	It specifies the NUMBER OF TOTAL DAYS
COURSE_ID	VARCHAR	10	It specifies the COURSE ID
COURSE	VARCHAR	10	It specifies the COURSE NAME

Table-3: CONTACT US

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
NAME	VARCHAR	10	It specifies the USERNAME
EMAIL	VARCHAR	30	It specifies the USER MAIL
COUNTRY	VARCHAR	10	It specifies the COUNTRY
SUBJECT	VARCHAR	50	It specifies the SUBJECT
MESSAGE	VARCHAR	200	It Specifies the MESSAGE.

## Synopsis

Table-4: COURSE

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
COURSE_ID	VARCHAR	10	It specifies the COURSE ID
COURSE	VARCHAR	30	It specifies the COURSE NAME.
DURATION	NUMERIC	30	It specifies the DURATION

Table-5: FEED

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
NAME	VARCHAR	30	It specifies the USERNAME
EMAIL	VARCHAR	30	It specifies the USERMAIL
FEEDBACK	NUMERIC	500	It specifies the FEEDBACK

Table-6: FEES

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
USER_ID	VARCHAR	50	It specifies the USERID
NAME	VARCHAR	50	It specifies the USERNAME
COURSE	VARCHAR	40	It specifies the COURSE
MONTH	NUMERIC	40	It specifies the MONTH
AMOUNT	NUMERIC	20	It specifies the AMOUNT
RECEIVE_DATE	DATE	20	It specifies the RECEIVING DATE

## Synopsis

Table-7: MARKS

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
USER_ID	VARCHAR	10	It specifies the USERID
NAME	VARCHAR	10	It specifies the USERNAME
COURSE_ID	VARCHAR	10	It specifies the COURSEID
COURSE	VARCHAR	20	It specifies the COURSE
MARKS	NUMERIC	20	It specifies the MARKS
SEMESTER	NUMERIC	10	It specifies the SEMESTER
PEIROPD	NUMERIC	20	It specifies the PEIROPD.

Table-8: SALARY

COLUMN NAME	DATA TYPE	LENGTH	DESCRIPTION
USER_ID	VARCHAR	10	It specifies the USERID
NAME	VARCHAR	20	It specifies the USERNAME.
MONTH	NUMERIC	30	It specifies the MONTH
PEIROPD	NUMERIC	40	It specifies the PEIROPD
AMOUNT	NUMERIC	20	It specifies AMOUNT
DATE	DATE	10	It specifies the DATE.

## Synopsis

### 7. Tools, database, Hardware and Software Requirements Developing

#### 7.1 Tool: Net Beans 8.0.1

#### 7.2 Database: Derby

#### 7.3 Hardware Requirements

Development time	Deployment time
<ul style="list-style-type: none"><li>➤ Monitor</li><li>➤ Processor – dual core</li><li>➤ RAM 1GB</li><li>➤ Standard cabinet configuration</li></ul>	<ul style="list-style-type: none"><li>➤ Standard cabinet configuration</li></ul>

#### 7.4 Software Requirements

DEVELOPMENT TIME	DEPLOYMENT TIME
<ul style="list-style-type: none"><li>➤ Net beans 8.0.1</li><li>➤ Microsoft word</li><li>➤ Window 7</li><li>➤ Browser</li></ul>	<ul style="list-style-type: none"><li>➤ Any operating system</li><li>➤ Browser</li></ul>

## **Synopsis**

### **8. Are you doing the project for industry or organization**

No, we are not doing this project for any industry or any organization. This project is developed for Academic purpose. It was developed at college campus for the fulfillment of summer training under supervision of faculty.

Our team is having four members (PRIYANK SHARMA, KAPIL SURI, AHSISH KAPOR, MUKUL SAINI). Regarding this internship we had gain lots of knowledge about making website.

### **9. Future scope and further enhancement**

This website is designed to a stand-alone, single user system. It is proposed to make the multiuser system.