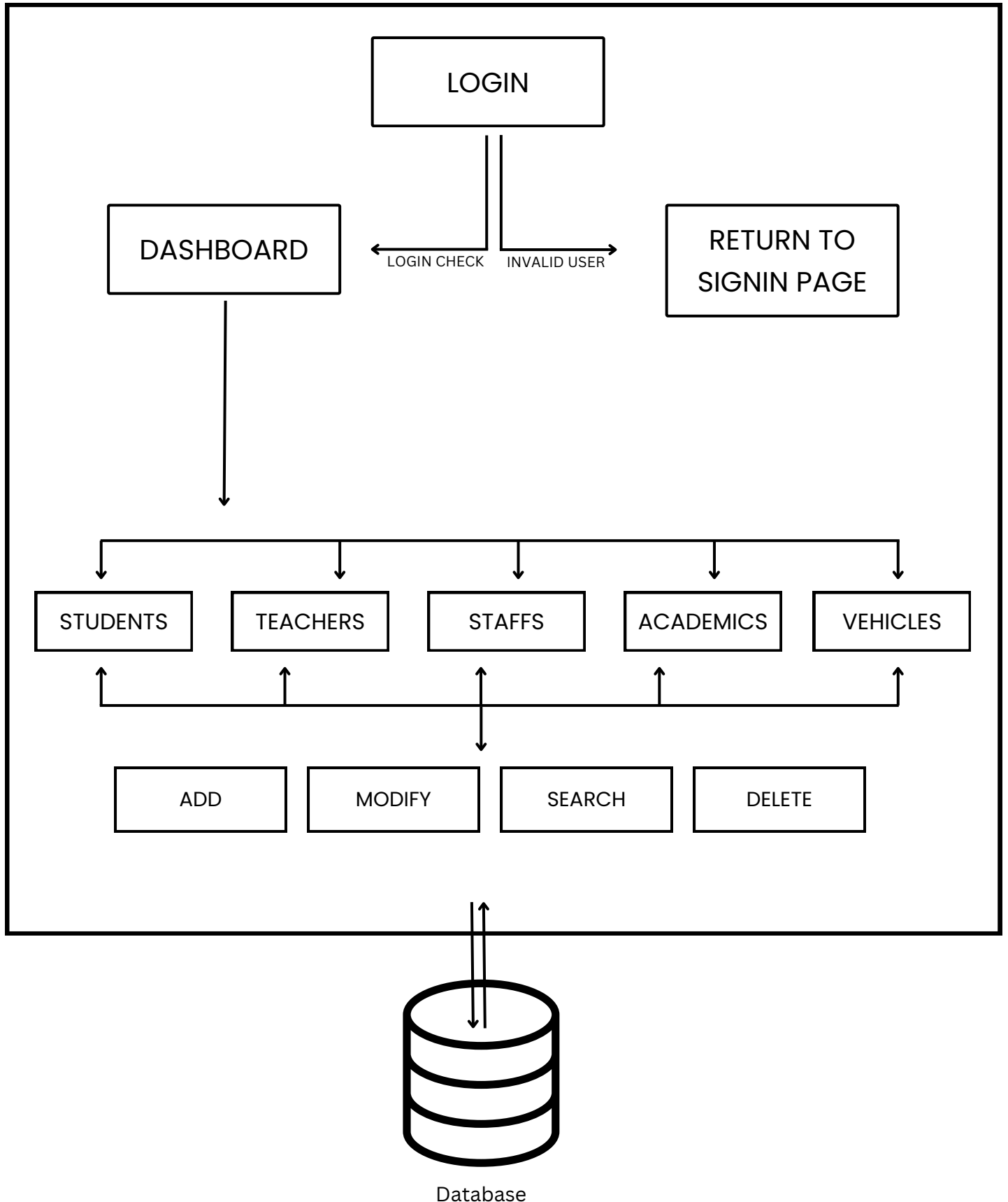


# Data Flow Diagram

Python Interface



# Database Design and Table Structure

- Table Name - **Student Details**

Field	Type	Null	Key	Default	Extra
admission_no	int	NO	PRI	NULL	
sname	varchar(100)	YES		NULL	
Father_name	varchar(100)	YES		NULL	
Mother_name	varchar(100)	YES		NULL	
sclass	varchar(10)	YES		NULL	
section	varchar(10)	YES		NULL	
phone_no	varchar(10)	YES		NULL	
DOA	varchar(20)	YES		NULL	
Address	varchar(1000)	YES		NULL	
email	varchar(100)	YES		NULL	
gender	varchar(20)	YES		NULL	
sdob	varchar(20)	YES		NULL	
stream	varchar(100)	YES		NULL	

- Table Name - **Junior**

Field	Type	Null	Key	Default	Extra
admission_no	int	YES		NULL	
English	int	YES		NULL	
Hindi	int	YES		NULL	
Maths	int	YES		NULL	
Social_Studies	int	YES		NULL	
Science	int	YES		NULL	
Computer	int	YES		NULL	
Gk	int	YES		NULL	
Arts	int	YES		NULL	

- Table Name - **Teacher Details**

Field	Type	Null	Key	Default	Extra
Teacher_id	int	NO	PRI	NULL	
Name	varchar(100)	YES		NULL	
contact	varchar(10)	YES		NULL	
DOB	varchar(10)	YES		NULL	
Hiredate	varchar(10)	YES		NULL	
Qualifications	varchar(100)	YES		NULL	
Address	varchar(100)	YES		NULL	
Gender	varchar(10)	YES		NULL	
Salary	int	YES		NULL	
Email	varchar(100)	YES		NULL	

- Table Name - **Academics Class 6 to 8**

Field	Type	Null	Key	Default	Extra
admission_no	int	YES		NULL	
English	int	YES		NULL	
Hindi	int	YES		NULL	
Maths	int	YES		NULL	
Social_Studies	int	YES		NULL	
Science	int	YES		NULL	
Sanskrit	int	YES		NULL	
Computer	int	YES		NULL	
Gk	int	YES		NULL	
Arts	int	YES		NULL	

- Table Name - **Staff**

Field	Type	Null	Key	Default	Extra
staff_id	int	YES		NULL	
Name	varchar(100)	YES		NULL	
Gender	varchar(10)	YES		NULL	
Address	varchar(500)	YES		NULL	
Contact	varchar(10)	YES		NULL	
DOB	varchar(15)	YES		NULL	
Designation	varchar(30)	YES		NULL	
Hiredate	varchar(15)	YES		NULL	
salary	int	YES		NULL	

- Table Name - **Academics Class 9 & 10**

admission_no	int	YES		NULL	
English	int	YES		NULL	
Hindi	int	YES		NULL	
Mathematics	int	YES		NULL	
Social	int	YES		NULL	
Science	int	YES		NULL	
Computer	int	YES		NULL	
GS	int	YES		NULL	

- Table Name - **Academics Class 11 & 12 (Biology)**

Field	Type	Null	Key	Default	Extra
admission_no	int	YES		NULL	
English	int	YES		NULL	
Physics	int	YES		NULL	
Chemistry	int	YES		NULL	
Biology	int	YES		NULL	
Optional	int	YES		NULL	
Additional	int	YES		NULL	
gs	int	YES		NULL	

- Table Name - **Academics Class 11 & 12 (Maths)**

admission_no	int	YES		NULL	
English	int	YES		NULL	
Physics	int	YES		NULL	
Chemistry	int	YES		NULL	
Maths	int	YES		NULL	
Optional	int	YES		NULL	
Additional	int	YES		NULL	
gs	int	YES		NULL	

- Table Name - **Academics Class 11 & 12 (Commerce)**

Field	Type	Null	Key	Default	Extra
admission_no	int	YES		NULL	
English	int	YES		NULL	
Accountancy	int	YES		NULL	
Business_Studies	int	YES		NULL	
Economics	int	YES		NULL	
Optional	int	YES		NULL	
Additional	int	YES		NULL	
gs	int	YES		NULL	

- Table Name - **Vehicles**

Field	Type	Null	Key	Default	Extra
Vehide_ID	int	YES		NULL	
Vehide_No	int	YES		NULL	
Vehide_Model	varchar(50)	YES		NULL	
Vehide_Capacity	int	YES		NULL	
Vehide_GPS_ID	int	YES		NULL	
Driver_Name	varchar(50)	YES		NULL	
Driver_license_no	varchar(16)	YES		NULL	
Conductor_name	varchar(50)	YES		NULL	
Conductor_contact	varchar(10)	YES		NULL	
Vehide_last_maintenance_DATE	varchar(10)	YES		NULL	

- Table Name - **Academics Class 11 & 12 (Humanities)**

Field	Type	Null	Key	Default	Extra
admission_no	int	YES		NULL	
English	int	YES		NULL	
Political_Science	int	YES		NULL	
History	int	YES		NULL	
Sociology	int	YES		NULL	
Optional	int	YES		NULL	
Additional	int	YES		NULL	
gs	int	YES		NULL	

- Table Name - **Userdata**

Field	Type	Null	Key	Default	Extra
email	varchar(100)	YES		NULL	
username	varchar(100)	YES		NULL	
password	varchar(20)	YES		NULL	

# SQL Code

## **--for student details**

```
create table studdetails
( admission_no int
sname varchar(100)
Father_name varchar(100)
Mother_name varchar(100)
sclass varchar(10)
section varchar(10)
phone_no varchar(10)
DOA varchar(20)
Address varchar(1000)
email varchar(100)
gender varchar(20)
sdob varchar(20)
stream varchar(100));
```

## **--for teacher table**

```
create table tdetails
(Teacher_id int,
Name varchar(100),
contact varchar(10),
DOB varchar(10),
Hireddate varchar(10),
Qualifications varchar(100),
Address varchar(100),
Gender varchar(10),
Salary int,
Email varchar(100));
```

## **--for staff**

```
create table staff  
(Staff_id int,  
Name varchar(100),  
Gender varchar(10),  
Address varchar(500),  
Contact varchar(10),  
DOB varchar(15),  
Designation varchar(30),  
Hiredat varchar(15),  
salary int);
```

## **--for junior**

```
create table junior  
(admission_no int,  
English int,  
Hindi int,  
Maths int,  
Social_Studies int,  
Science int,  
Computer int,  
Gk int,  
Arts int);
```

## **--for class6\_8**

```
create table class6_8  
(admission_no int,  
English int,  
Hindi int,  
Maths int,  
Social_Studies int,  
Science int,  
Sanskrit int,  
Computer int,  
Gk int,  
Arts int);
```

## **--for class9\_10**

```
create table class9_10  
(admission_no int,  
English int,  
Hindi int,  
Mathematics int,  
Social int,  
Science int,  
Computer int,  
GS int);
```

## **--for maths**

```
create table maths  
( admission_no int,  
English int,  
Physics int,  
Chemistry int,  
Maths int,  
Optional int,  
Additional int,  
gs int);
```

## **-- for biology**

```
create table Biology  
(admission_no int,  
English int,  
Physics int,  
Chemistry int,  
Biology int,  
Optional int,  
Additional int,  
gs int);
```

## **-- for commerce**

```
create table Commerce  
(admission_no int,  
English int,  
Accountacy int,  
Business_Studies int,  
Economics int,  
Optional int,  
Additional int,  
gs int);
```

## **-- for humanity**

```
create table Humanity  
( admission_no int,  
English int,  
Political_Science int,  
History int,  
Sociology int,  
Optional int,  
Additional int,  
gs int);
```

## **--for vehicle**

```
create table vehicle  
(Vehicle_ID int,  
Vehicle_No int,  
Vehicle_Model varchar(50),  
Vehicle_Capacity int,  
Vehicle_GPS_ID int,  
Driver_Name varchar(50),  
Driver_license_no varchar(16),  
Conductor_name varchar(50),  
Conductor_contact varchar(10),  
Vehicle_last_maintenance_DATE varchar(10));
```