

CHAPTER 4

SOFTWARE DESIGN

4.1. Table Design

Student Table

Field	Type	Null	Default
id	int(10)	NOT NULL	Primary Key
name	varchar(50)	NULL	NO
Email	varchar(25)	NULL	NO
Department	varchar(10)	NULL	NO
Dob	varchar(10)	NULL	NO
password	varchar(20)	NULL	NO

Staff Table

Field	Type	Null	Default
id	int(10)	NOT NULL	Primary Key
name	varchar(25)	NULL	NO
Email	varchar(25)	NULL	NO
Department	varchar(10)	NULL	NO
password	varchar(20)	NULL	NO

Transaction Table

Field	Type	Null	Default
Roll No	int(10)	NOT NULL	Primary Key
Name	varchar(25)	NULL	NO
class	varchar(10)	NULL	NO
section	char(1)	NULL	NO
stream	varchar(20)	NULL	NO
University/Board	varchar(20)	NULL	NO
Country	varchar(20)	NULL	NO
State	varchar(20)	NULL	NO
Gender	varchar(10)	NULL	NO
Religion	varchar(10)	NULL	NO
Batch	int(10)	NULL	NO

Staff

- **Login** – The staff will make a login with the admin generated id and password. The admin will share the login information with staff and the login maintenance will be done with the staff access.
- **View event** – The staff will view the details of the event which are added from him side. If they are assigned as in-charge they need to take care of the system.
- **Accounts** – Staff members are responsible for managing and monitoring the budget, expenses, and income associated with college events.

Student

- **Register** – The student will be provided with a separate page for their registration where they enter their details and create account for them
- **Login** – The student will make a login with their id and created password to know the event details

- **View events** – The student will view the details of the events which are added by the admin side.
- **Transaction** – The student will pay the events amounts

Transaction Login

Transaction page – This appears to be a page here transaction-related information is collected. However, the fields listed seem to be more related to student information rather than transactions.