

CHAPTER 3

SYSTEM DESIGN

3.1 Tables description

There are total 7 tables implemented in this project.

Following are the contents of the table





 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 portfolio_site	varchar (200)	`portfolio_site` varchar (200) NOT NULL
 profile_pic	varchar (100)	`profile_pic` varchar (100) NOT NULL
 user_id	integer	`user_id` integer NOT NULL UNIQUE

Fig 3.1 user table

As shown in the above fig 3.1 table contains the user id, portfolio sight, profile picture and the user id present in the user table.

Companies







 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 name	varchar (20)	`name` varchar (20) NOT NULL
 based_on	varchar (20)	`based_on` varchar (20) NOT NULL
 founder	varchar (20)	`founder` varchar (20) NOT NULL
 net_worth	integer	`net_worth` integer NOT NULL
 yr_of_estb	date	`yr_of_estb` date NOT NULL

Fig 3.2 companies table

As shown in the fig3.2 table contains company's id, name, founder, year of establishment and the net worth of various companies.

Employee








 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 name	varchar (20)	`name` varchar (20) NOT NULL
 address	text	`address` text NOT NULL
 age	integer	`age` integer NOT NULL
 email	varchar (254)	`email` varchar (254) NOT NULL
 ph_no	integer	`ph_no` integer NOT NULL
 c_id_id	integer	`c_id_id` integer NOT NULL

Fig 3.3 employee table

As shown in the above fig3.3 table contains all the details of the events happening around in the campus.

Offcampus






 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 no_of_stu_rec	integer	`no_of_stu_rec` integer NOT NULL
 region	varchar (20)	`region` varchar (20) NOT NULL
 avg_salary	integer	`avg_salary` integer NOT NULL
 p_id_id	integer	`p_id_id` integer NOT NULL

Fig 3.4 offcampus

As shown in the above fig 3.4 table contains campus id, number of recruits from that campus and the average package.

Oncampus









 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 campus_name	varchar (20)	`campus_name` varchar (20) NOT NULL
 no_of_sel	integer	`no_of_sel` integer NOT NULL
 no_of_rej	integer	`no_of_rej` integer NOT NULL
 location	varchar (20)	`location` varchar (20) NOT NULL
 avg_salary	integer	`avg_salary` integer NOT NULL
 c_id_id	integer	`c_id_id` integer NOT NULL
 p_id_id	integer	`p_id_id` integer NOT NULL

Fig 3.5 oncampus table

As shown in the above fig 3.5 table contains the details of the campus id, campus name, location of the campus and the average package.

Placement department







 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 no_of_dept	integer	`no_of_dept` integer NOT NULL
 req_emp	integer	`req_emp` integer NOT NULL
 year	date	`year` date NOT NULL
 c_id_id	integer	`c_id_id` integer NOT NULL
 hr_id_id	integer	`hr_id_id` integer NOT NULL

Fig 3.6 placement department table

As shown in the above fig3.6table contains the department id, the number of departments and the required employees for the department.

Annual report







 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 profit	integer	`profit` integer NOT NULL
 anu_invst	integer	`anu_invst` integer NOT NULL
 loss	integer	`loss` integer NOT NULL
 year	date	`year` date NOT NULL
 c_id_id	<div>year</div> integer	`c_id_id` integer NOT NULL

Fig 3.7 annual report table

As shown in the above fig 3.7 table contains the annual profit, loss and investment of the company.

Branches







 id	integer	`id` integer NOT NULL PRIMARY KEY AUTOINCREMENT
 no_of_employee	integer	`no_of_employee` integer NOT NULL
 location	varchar (20)	`location` varchar (20) NOT NULL
 shift	varchar (10)	`shift` varchar (10) NOT NULL
 c_id_id	integer	`c_id_id` integer NOT NULL
 mang_id_id	integer	`mang_id_id` integer NOT NULL

Fig 3.8 branches table

As shown in the above fig 3.8 table contains the number of employees, location of the branch and the shifts of the employees.