Chapter 3

SYSTEM DESIGN

Front End Design

Admin Login page

Step 1: Enter username and password

Step 2: On successful login go to student entry page.

Step 3: If not successful stay in login page

Enter Student Details

Student entry page will have text fields to be filled by the admin with their description mentioned such as student's university seat number, first name, last name, college, course, contact number and section.

Enter Marks

Enter marks has few dropdown menus to choose grade, semester, eligibility and rest text fields to fill details such as subject code and internal and external marks along with credit points earned.

View Result

View result page has a dropdown menu that allows the student to choose the semester and a text field to enter university seat number.

Logout

After every successful insertion the option to logout as admin is provided and the user will be taken back to introduction screen.

3.1 Table Description

There are 4 tables implemented in this project. The tables are:

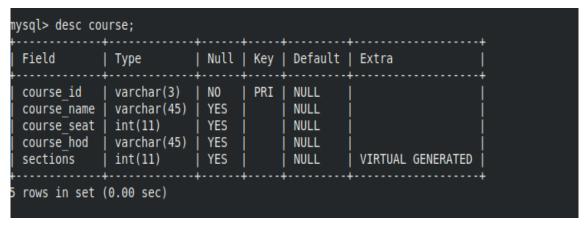
STUDENT: Stores details of students in the table. Primary key is usn and foreign key is course id.

mysql> desc student; Field | Type | Null | Key | Default | Extra | | varchar(10) | NO PRI | NULL usn fname | varchar(30) YES NULL varchar(30) YES lname NULL varchar(45) college YES NULL YES | MUL | course id | varchar(3) NULL varchar(1) YES section NULL | YES contact | varchar(10) NULL rows in set (0.00 sec)

Table 3.1 Student table

COURSE: Stores Information about courses offered in different semester along with their maximum intake capacity and name of hod .Primary key is course_id and sections column is virtually generated.

Table 3.2 Course table



❖ SUBJECT: Stores Information about course subjects with name and subject code offered in different semesters along with their credit values. Primary keys are sub_code and course_id. Foreign key is course_id.

nysql> desc subject; Field Null Default Type Key Extra sub code varchar(8) PRI NULL NO sub name varchar(45) YES NULL varchar(3) NO PRI NULL course id sem int(11) YES NULL credits YES int(11) NULL rows in set (0.01 sec)

Table 3.3 Subject table

❖ RESULT: Stores student results according to the marks obtained in both internal and external along with the eligibility status in the particular subject. Primary keys are usn and sub_code. Foreign keys are usn, sub_code and course_id.

mysql> desc result; Field Type Null | Key | Default | Extra NO PRI NULL varchar(10) | usn NO PRI NULL sub code varchar(8) varchar(8) YES MUL NULL course id internal int(11) YES NULL external int(11) YES NULL varchar(2) YES grade letter NULL grade point YES NULL int(11) YES status varchar(1) NULL YES int(11) NULL rows in set (0.00 sec)

Table 3.4 Result table