

**DOMAIN NAME: JAVA**

**COLLEGE MANAGEMENT SYSTEM**

**Submitted By,**

**ROHAN TRIVEDI(CS 30)**

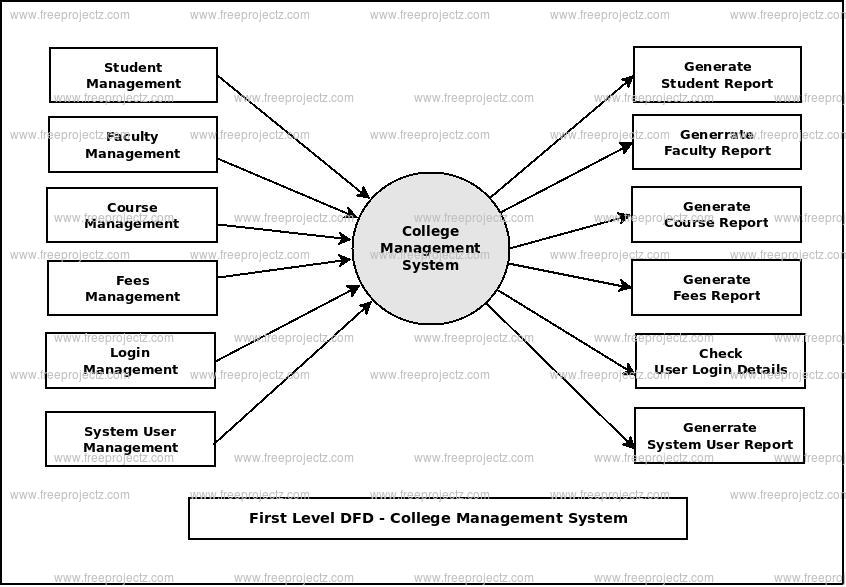
**MRUGANK VAIDYA(CS D2D)**

**Submitted To,**

A. Saai Sanjeev Achaarya

IBM Software Technical Trainer

**FLOWCHART**



**SOFTWARE SPECIFICATIONS**

* OPERATING SYSTEM : Windows
* ENVIRONMENT : IBM RAD Software

**HARDWARE SPECIFICATIONS**

|  |  |  |
| --- | --- | --- |
|  PROCESSOR | : | INTEL I3 |
|  RAM | : | 8GB SD RAM |
|  MONITOR | : | 15” COLOR |
|  HARD DISK | : | 1 TB |
|  FLOPPY DRIVE | : | 1.44 GB |

**DESCRIPTION**

**INTRODUCTION:**

. **College Management System** deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details and other resource related details too.

It tracks all the details of a student from the day one to the end of his course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result; and all these will be available for future references too.

Our program will have the databases of Courses offered by the college under all levels of graduation or main streams, teacher or faculty's details, batch execution details, students' details in all aspects.

This program can facilitate us explore all the activities happening in the college, even we can get to know which teacher / faculty is assigned to which batch, the current status of a batch, attendance percentage of a batch and upcoming requirements of a batch.

Different reports and Queries can be generated based of vast options related to students, batch, course, teacher / faculty, exams, semesters, certification and even for the entire college.

**DESCRIPTION:**

. College management system project is developed or implemented in java platform.

Main objective of this system or project is to design or develop a software portal for schools or colleges for maintaining lectures details, student’s attendance information, and student’s internal and external marks managing system.

Students will use this system from anywhere to know about details on attendance and marks and communicate with respectable members for doubts.

Latest data on marks and school or college data are modified or updated by administrator which is available for lecturers and students.

**FEATURES:**

* Student Report
* Employee Report
* Course Detail Report
* Book Detail Report
* Issued Book Report
* Fee Detail Report
* Marks Detail Report
* Generate Pay Slip

**ADVANTAGES:**

**. Reducing the work**

**. Productivity increased**

**. Better control**

**. Security**

**. Real time report**

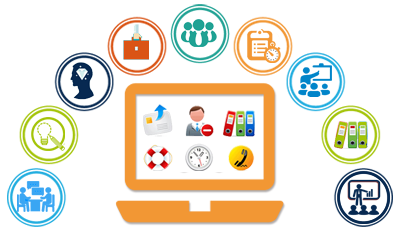
**.** Detailed analysis

**DISADVANTAGES:**

* Inaccuracy
* Late acknowledgment of result
* Wastage of money
* Chances of Partiality

**PICTURES**





**COLLEGE MANAGEMENT SYSTEM**

**AIM:**

**. To get a detailed analysis of the college and its system.**

**. To get a better report for the students as well as faculties.**

**. For the convinience of the students.**

**PROGRAM:**

**.**

**.**

**.**

**.**

**. import java.io.\*;**

**import java.util.\*;**

**class cms**

**{**

**public static String student\_name;**

**public static char[] password = new char[35];**

**public static String pass;**

**public static int phone\_number;**

**public static int pincode;**

**public static String city;**

**public static String address;**

**public static int Flag=0;**

**public static float fees=0;**

**public static float amount;**

**public static String course;**

**public static void Sign\_up()**

**{**

**System.out.println(" ");**

**System.out.println(" "+java.time.LocalDate.now()+" \*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\* ABC University");**

**System.out.println(" \*-\*-\*-\*-\*- Welcome To The Student Registration Page \*-\*-\*-\*-\*-");**

**System.out.println(" \*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-\*-");**

**Console con = System.console();**

**Scanner sc1 = new Scanner(System.in);**

**Scanner sc2 = new Scanner(System.in);**

**Scanner sc3 = new Scanner(System.in);**

**System.out.println(" ");**

**System.out.print(" Enter Student Name : ");**

**student\_name=sc1.nextLine();**

**System.out.println(" ");**

**System.out.print(" Enter Student Phone Number : ");**

**phone\_number=sc2.nextInt();**

**System.out.println(" ");**

**System.out.print(" Enter Student Address : ");**

**address=sc1.nextLine();**

**System.out.println(" ");**

**System.out.print(" Enter Student City : ");**

**city=sc1.nextLine();**

**System.out.println(" ");**

**System.out.print(" Enter Student Pincode : ");**

**pincode=sc2.nextInt();**

**System.out.println(" ");**

**System.out.print(" Enter Student Password : ");**

**char[] password=con.readPassword();**

**pass = String.valueOf(password);**

**//System.out.println("Password is : "+pass);**

**System.out.println(" ");**

**System.out.println(" | Congratulation "+student\_name+" Student Account Has Been Succesfully Created in ABC University, "+city+java.time.LocalDate.now()+" |");**

**int choice1;**

**System.out.println(" ");**

**System.out.println(" +=="+java.time.LocalDate.now()+"==================================ABC University");**

**System.out.println(" | Press 1. For Student Log In |");**

**System.out.println(" | Press 2. For Exit |");**

**System.out.println(" +======================================================+");**

**System.out.println(" ");**

**System.out.print(" Enter Student Choice : ");**

**choice1 = sc3.nextInt();**

**if(choice1 == 1)**

**{**

**Flag=1;**

**Log\_in();**

**}**

**else if(choice1 == 2)**

**{**

**System.out.println("Thank You "+student\_name+" For Creating Account at ABC University, "+city);**

**System.exit(1);**

**}**

**else**

**{**

**System.out.println(" Please Enter a Proper Input From Above Option ");**

**}**

**}**

**public static void Log\_in()**

**{**

**String confirm\_student\_name;**

**Scanner sc2 = new Scanner(System.in);**

**Console con1 = System.console();**

**if(Flag == 0)**

**{**

**student\_name = "admin";**

**pass="root";**

**city="Ahmedabad";**

**address="Main branch, Ahmedabad";**

**phone\_number=1234554321;**

**pincode=321123;**

**fees=100000;**

**}**

**System.out.println(" ");**

**System.out.print(" Enter Student Name : ");**

**confirm\_student\_name = sc2.nextLine();**

**System.out.println(" ");**

**System.out.print(" Enter Student Password : ");**

**String confirm\_password = sc2.nextLine();**

**System.out.println(" ");**

**if(student\_name.equals(confirm\_student\_name))**

**{**

**if(pass.equals(confirm\_password))**

**{**

**System.out.println(" Succesfully Logged In !!!");**

**System.out.println(" Welcome "+student\_name+" to ABC University, "+city);**

**Scanner sc3 = new Scanner(System.in);**

**System.out.println(" ");**

**System.out.println(" +---------------------------------------------------+");**

**System.out.println(" | Choose Language |");**

**System.out.println(" | 1. English |");**

**System.out.println(" | 2. Exit |");**

**System.out.println(" +---------------------------------------------------+");**

**System.out.println(" ");**

**System.out.print(" Enter Student Choice : ");**

**int choice2 = sc3.nextInt();**

**if(choice2==1)**

**{**

**home\_page();**

**}**

**else**

**{**

**System.out.println(" Please Enter Proper Option");**

**}**

**}**

**else**

**{**

**System.out.println(" Invald password !!!");**

**}**

**}**

**else**

**{**

**System.out.println(" Wrong student\_name Please Enter Correct Information !!!");**

**}**

**}**

**public static void home\_page()**

**{**

**System.out.println(" +---------------------------------------------------+");**

**System.out.println(" | 1. deposit Money |");**

**System.out.println(" | 2. fees Inquiry |");**

**System.out.println(" | 2. Course Selection |");**

**System.out.println(" | 4. Exit |");**

**System.out.println(" +---------------------------------------------------+");**

**Scanner sc3 = new Scanner(System.in);**

**while(1!=0)**

**{**

**System.out.println(" ");**

**System.out.print(" Enter Student Choice : ");**

**int choice3= sc3.nextInt();**

**switch(choice3)**

**{**

**case 1:**

**deposit\_money();**

**break;**

**case 2:**

**fees\_inquiry();**

**break;**

**case 3:**

**course();**

**break;**

**case 4:**

**System.exit(1);**

**default:**

**System.out.println(" Invalid Option");**

**}**

**}**

**}**

**public static void deposit\_money()**

**{**

**Scanner sc6 = new Scanner(System.in);**

**System.out.println(" ");**

**System.out.print(" Enter Amount to Deposit : ");**

**amount = sc6.nextFloat();**

**if(amount<=0)**

**{**

**System.out.println(" Depositing Invalid Amount");**

**deposit\_money();**

**}**

**else**

**{**

**fees = fees + amount;**

**System.out.println(" +------------------------------------------ABC University-+");**

**System.out.println(" | Transaction SuccesFull Fees Paid!!! |");**

**System.out.println(" +---------------------------------------------------+");**

**}**

**}**

**public static void course()**

**{**

**int sel;**

**Scanner sel1=new Scanner(System.in);**

**System.out.println(" +---------------------------------------------------+");**

**System.out.println(" | 1. B.Tech |");**

**System.out.println(" | 2. M.Tech |");**

**System.out.println(" | 2. P.hd |");**

**System.out.println(" | 4. Exit |");**

**System.out.println(" +---------------------------------------------------+");**

**System.out.println(" Enter Student Choice :");**

**sel=sel1.nextInt();**

**if(sel==1)**

**{**

**course="B.Tech";**

**}**

**else if(sel==2)**

**{**

**course="M.Tech";**

**}**

**else if(sel==3)**

**{**

**course="P.hd";**

**}**

**else**

**{**

**System.exit(1);**

**}**

**}**

**public static void fees\_inquiry()**

**{**

**System.out.println(" ");**

**System.out.println(" "+java.time.LocalDate.now()+" -------------------------------- ABC University");**

**System.out.println(" =================== fees Inquiry ================");**

**System.out.println(" ----------------------------------------------------");**

**System.out.println(" ");**

**System.out.println(" Name : "+student\_name);**

**System.out.println(" ");**

**System.out.println(" fees Paid: "+fees);**

**System.out.println(" ");**

**System.out.println(" Phone Number : "+phone\_number);**

**System.out.println(" ");**

**System.out.println(" Address : "+address);**

**System.out.println(" ");**

**System.out.println(" Pincode : "+pincode);**

**System.out.println(" ");**

**System.out.println(" Branch (City) : "+city);**

**System.out.println(" ");**

**System.out.println(" Course : "+course);**

**}**

**public static void main(String args[])**

**{**

**System.out.println(" ");**

**System.out.println(" "+java.time.LocalDate.now()+" -------------------------------- ABC University");**

**System.out.println(" =================== Welcome To ABC University =================");**

**System.out.println(" ----------------------------------------------------");**

**System.out.println(" ");**

**System.out.println(" +---------------------------------------------------+");**

**System.out.println(" | 1. Create a New Account |");**

**System.out.println(" | 2. Sign In |");**

**System.out.println(" +---------------------------------------------------+");**

**int choice=0;**

**System.out.println(" ");**

**Scanner sc = new Scanner(System.in);**

**System.out.print(" Enter Student Choice : ");**

**choice=sc.nextInt();**

**switch(choice)**

**{**

**case 1:**

**Sign\_up();**

**break;**

**case 2:**

**Log\_in();**

**break;**

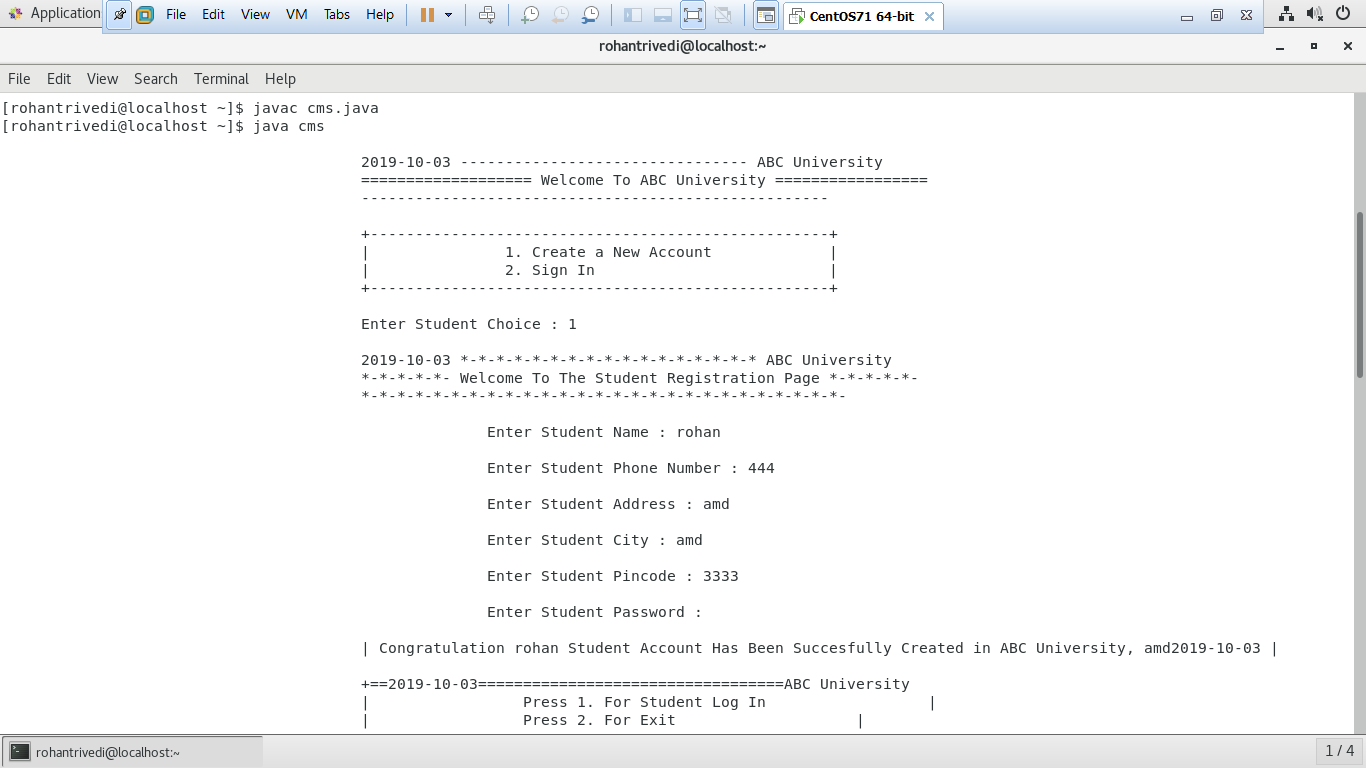
**}**

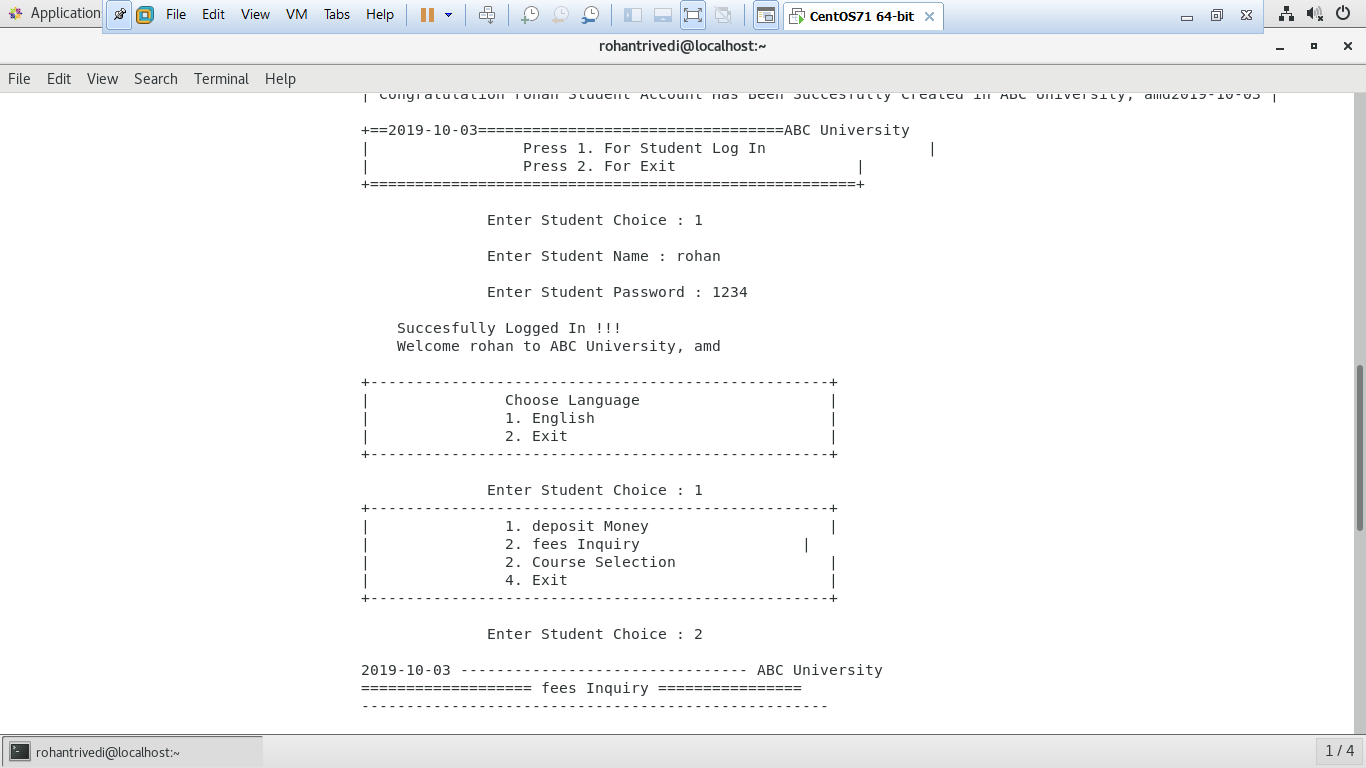
**EXPLANATION ABOUT PROJECT:**

**.** College management system is organised way by which the students as well as management can get help in accessing the data and accountability to everything.

**.** It helps us in various ways for our easiness.

**OUTPUT SCREENSHOTS:**





**REFERENCES:**

WWW.GOOGLE.COM

[WWW.YOUTUBE.COM](http://WWW.YOUTUBE.COM)

WWW.GITHUB.COM

**CONCLUSION:**

**.** Thus this a way to access the data of the students and the management of the college.

**.**We also conclude that this helps out the system very much.