Admission Management System

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Batch : S1

Group Number : G3

Introduction

As the number of students appearing for the counseling is increasing rapidly every year, it requires much effort and time to handle the admission system with man power and paper system. So we are in need of a better system to make the process easier and serve better which could be done by Computerized Student Admission System that facilitates the work of the universities and at the same time it must reduce the work load of the organization with expected quality. Quality in the sense, the system tries to avoid the mistakes that are usually happen during the Admission Process.

Purpose

The aim of Admission System is to computerize admission process without any flaws. Its basic objectives are reducing time in activities, centralized data handling and paperless admission with reduced manpower. Its other factors are cost cutting, operational efficiency, consist view of data and integration with other institutions. Main challenges are effectively completing the admission process within the time limit and making the process easier for the students. Hence there is a prerequisite for maintaining a database, to store all the details.

- ### Scope

1. Admission System is to allocate seats for the eligible students which would be accessed only on the registered systems.
2. Students are to be checked for their eligibility criteria before getting registered.
3. A database is maintained with all the colleges, courses offering by them and availability of seats.
4. For each event database should be updated and should be ready to provide information for next candidate in no time.

1.3 References

1. www.javapoint.com

2. www.geeksforgeeks.com

3. [102427562-45883498-Project-Report-on-Student-Information-Management-System-Php-Mysql.pdf (123seminarsonly.com)](#)

2.   Overall Description

2.1   Product Perspective

- Automate manual paper work on eat the time of student's admission in the college.

- As the main aim of the System is to reduce the cost needed for Admission Process, so it automatically reduces the manual power needed to perform the entire task and improve the quality of the work.

- Eliminate the paper work

2.2   Product Functions

- Applicant's list

- Student addition/ updation /deletion

- Fee details

- Important dates for admission process.

2.3   User Classes and Characteristics

There are mainly two kinds of users for the product.
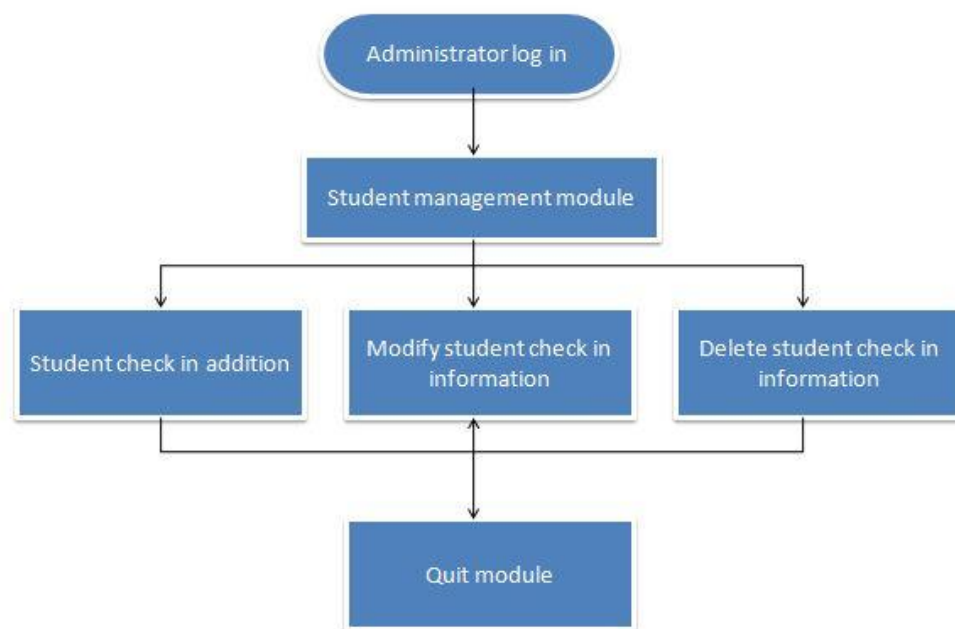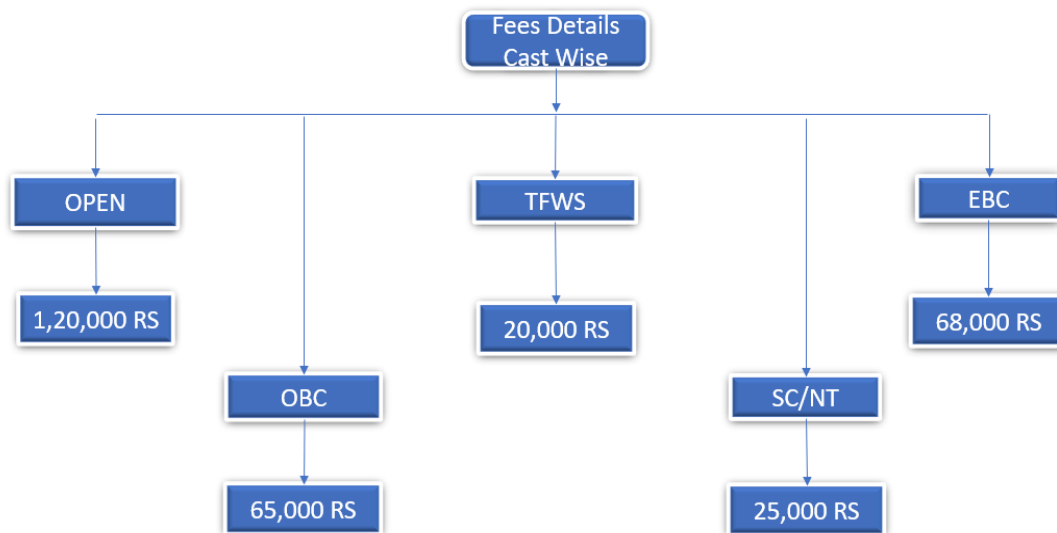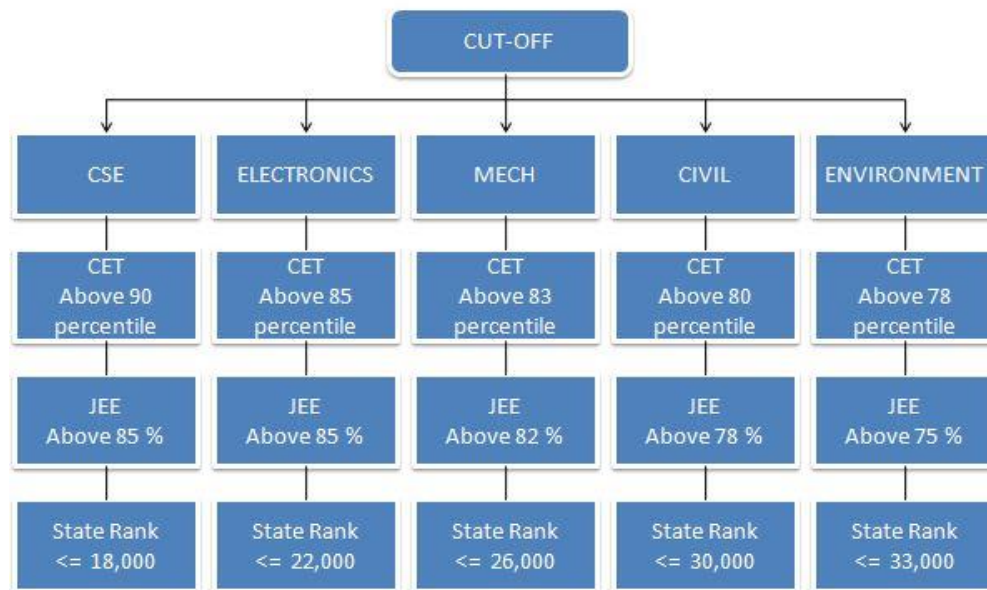
The users include:

- Administrator

- Student

2.4 Operating Environment

- Windows 8 and above

- Ram 4GB

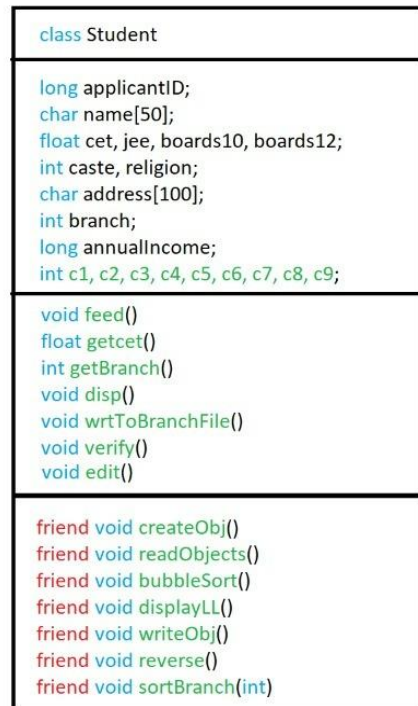- Processor Intel i3 (dual core) and above

2.5 Design and Implementation Constraints

  i.   Data cannot be intruded by unauthorized person

  ii. Parallel access should be allowed

  iii. Seats availability should be shown based on his reservation.

CUT-OFF

CSE	ELECTRONICS	MECH	CIVIL	ENVIRONMENT
CET Above 90 percentile	CET Above 85 percentile	CET Above 83 percentile	CET Above 80 percentile	CET Above 78 percentile
JEE Above 85 %	JEE Above 85 %	JEE Above 82 %	JEE Above 78 %	JEE Above 75 %
State Rank <= 18,000	State Rank <= 22,000	State Rank <= 26,000	State Rank <= 30,000	State Rank <= 33,000

Fees Details Cast Wise

OPEN	OBC	TFWS	SC/NT	EBC
1,20,000 RS	65,000 RS	20,000 RS	25,000 RS	68,000 RS

Class Diagram:

```
class Student

long applicantID;
char name[50];
float cet, jee, boards10, boards12;
int caste, religion;
char address[100];
int branch;
long annualIncome;
int c1, c2, c3, c4, c5, c6, c7, c8, c9;

void feed()
float getcet()
int getBranch()
void disp()
void wrtToBranchFile()
void verify()
void edit()

friend void createObj()
friend void readObjects()
friend void bubbleSort()
friend void displayLL()
friend void writeObj()
friend void reverse()
friend void sortBranch(int)
```
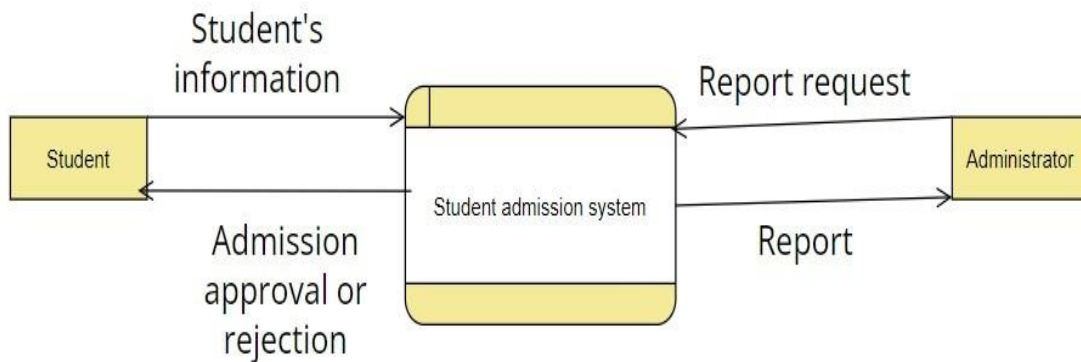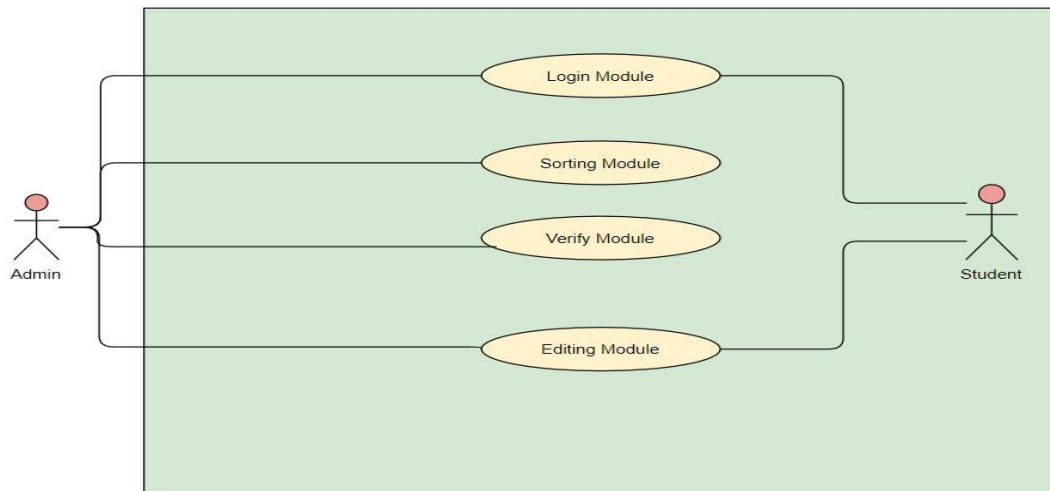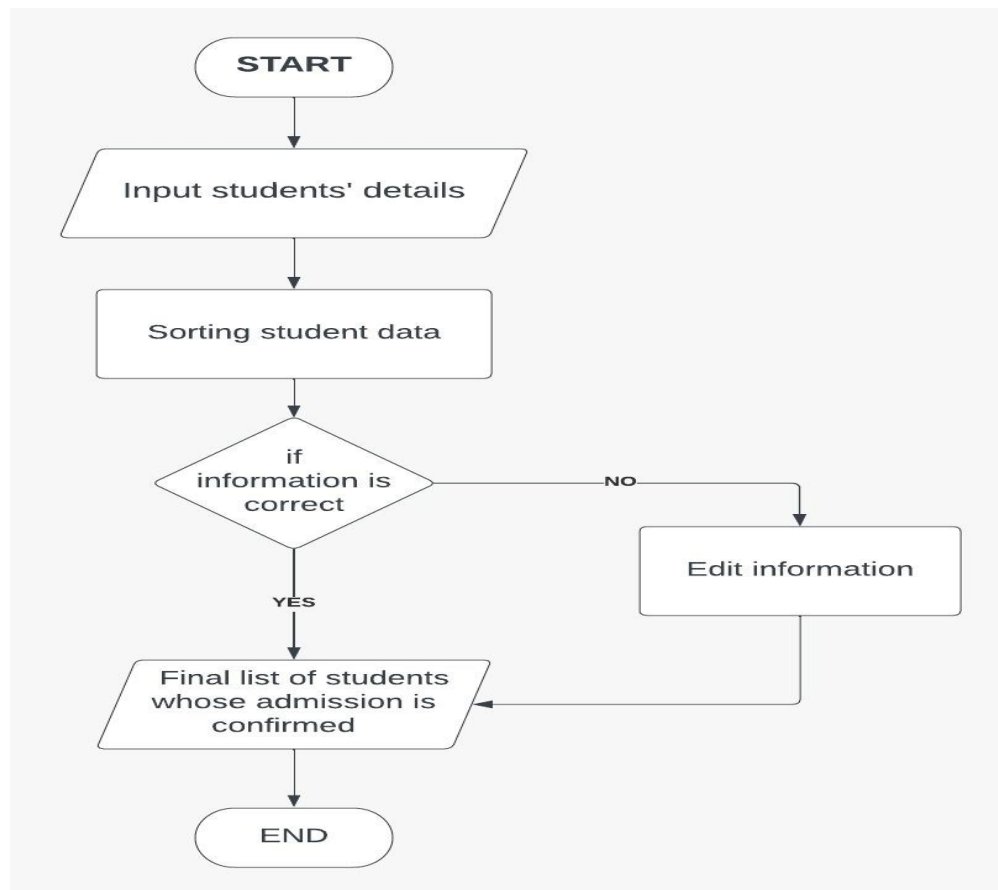
Zero Level DFD:

UML Diagram:

Flowchart:

3. System Features

3.1 Functional Requirements

- Login:

1. Input: Enter the user id and password

2. Output: User will be able to use the features of the software

- Applicant List: The list of all students applied to their respective branches will be available

- Student Addition/Updating/Deletion: Here the task regarding the updating or deletion of a concerned student will done.

- Fee's details: Here the fee of all branches will be displayed according to cast wise [OPEN/OBC/NT/ST/TFWS]

- Important dates: Here the important dates will be flashed regarding the admission process.

4. Other Nonfunctional Requirements

4.1 Performance Requirements

The information is refreshed depending upon whether some updates have occurred or not in the application. The system shall respond to the student as soon as the request is submitted. The data of all students should me in sorted in seven branches. The intake for each branch is of 10 students.

4.2   Reliability Requirements:

The system has to be 100% reliable due to the importance of the data and damages that can be caused by incorrect/incomplete data.

4.3   Availability Requirements:

The system is available 100% for the user and it used 24 hours a day & 365 days a year. The system shall be operational 24 hours a day & 7 days a week.