



## University Admission Management System

Let's start developing University Management System.

We will complete this university management system project gradually, we will code the project week wise. We have divided the project into small parts and at the end we will combine these small parts to make complete working business application.

### Requirements of UMS

Our System requirements

1. System User should be able to add new Student in to the system
2. System User should be able to view all students records
3. Records should be displayable in merit order
4. System should have option to generate the merit list.
5. System should have option for seat management.
6. Seats can be increase under program
7. System user can be able to add new program with student's capacity.

In this week we will try to complete some parts of UMS.

### High Fidelity Wireframes

Wireframes are simple block diagrams that show the placement of elements in a user interface and demonstrate the intended layout and functionality of a solution



## Menu

```
C:\Users\Laeeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu >
-----
Select one of the following options number...
1. Add New Student Record
2. View all Records
3. Print the Record in Merit Order
4. Generate Merit List
5. Program Seat Managment
6. Exit
Your Option..
```

## ADD Student

```
C:\Users\Laeeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu > Add Student
-----
Enter Student Name.....Ali
Enter Obtained Marks in Matric.....987
Enter Obtained Marks in First Year..455
Enter Ecat Marks.....278

***** Enter the Name from Following Programs *****
CS      SE      IT
*****
Enter First Preference.....CS
Enter Second Preference.....CE
Enter Third Preference.....
```



View All Students

```
C:\Users\Laeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu > Show All Students

-----
Name    Matric  FYear  eCat  Merit  1st  2nd  3rd
Bilal   1020    450    300   83.6039 CS  SE  IT
Umer    1000    430    290   80.7413 CS  IT  SE
Hassan  980     430    280   79.5152 CS  IT  SE
Zubair  960     410    260   75.9026 CS  IT  SE
Akbar   950     400    250   74.0963 SE  IT  CS
Jabar   940     390    290   76.04  SE  IT  CS
Ali     987     455    278   81.5773 CS  CE  EE
Nasir   988     457    235   78.5397 CS  CE  EE
Sadia   980     430    310   81.7652 CS  CE  EE

Press any Key to Continue..
```

Print the record in merit order

```
C:\Users\Laeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu >
-----
Select one of the following options number...
1. Add New Student Record
2. View all Records
3. Print the Record in Merit Order
4. Generate Merit List
5. Program Seat Managment
6. Exit
Your Option..
```



## Generate Merit List

```
C:\Users\Laeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu > Student Merit List
-----
Bilal      Got Admission in CS With Merit 83.6039
Sadia      Got Admission in CS With Merit 81.7652
Ali         Got Admission in CE With Merit 81.5773
Umer       Got Admission in IT With Merit 80.7413
Hassan     Got Admission in SE With Merit 79.5152
Nasir      Got Admission in CE With Merit 78.5397
Jabar      Did not get Admission With Merit 76.04
Zubair     Did not get Admission With Merit 75.9026
Akbar      Did not get Admission With Merit 74.0963

Press any Key to Continue..
```

## Program Seat Management

### Seat Management Menu

```
C:\Users\Laeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu > Seat Management
-----
1. View All Seats
2. Increase Program Capacity
3. Add New Seats
4. Previous Menu

Enter the Option Number...
```



## View All Seats

```
C:\Users\Laeeg-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu >  Seat Management > View All Seats
-----
1.      CS      2
2.      SE      1
3.      IT      1

Press any Key to Continue..
```

## Increase Capacity

```
C:\Users\Laeeg-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu >  Seat Management > Increase Program Capacity
-----
Enter the Program Name :CS
Enter Number of Seats  :5
```



## Add New Program Seats

```
C:\Users\Laeeg-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu > Seat Management > Add New Program
-----
Enter the Program Name      :EE
Enter the Number of Seats   :50
```



## Tasks for UMS

### Task 1:

Develop the header of UMS

```
C:\Users\Laeeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****
```

### Task 2:

Make a menu options

```
C:\Users\Laeeq-Khan\Desktop\output.exe

*****
*      University Admission Management System      *
*****

Main Menu >
-----
Select one of the following options number...
1. Add New Student Record
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4. Generate Merit List
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6. Exit
Your Option..
```

### Task 3:

If user chose option 1 it would ask the user to enter the student information student name, matric marks, FSc marks and ECAT marks and again display the menu.

### Task 4:

If the user choose option 2 it display the student's information entered.

### Task 5:

Write a code that calculate the user aggregate for ECAT and if the total aggregate is less than 50 program display you are not eligible for the admission.