

# University Management System

## Group 13

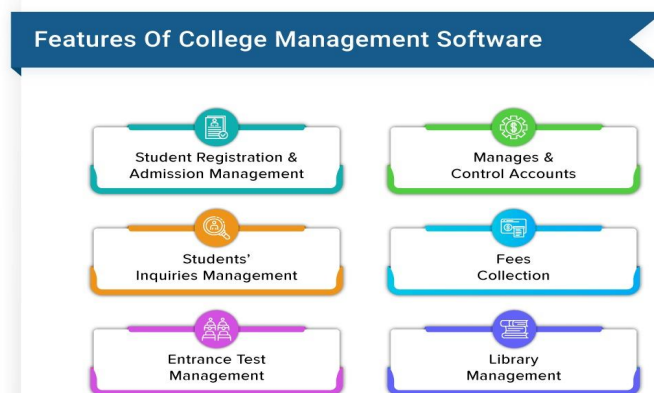
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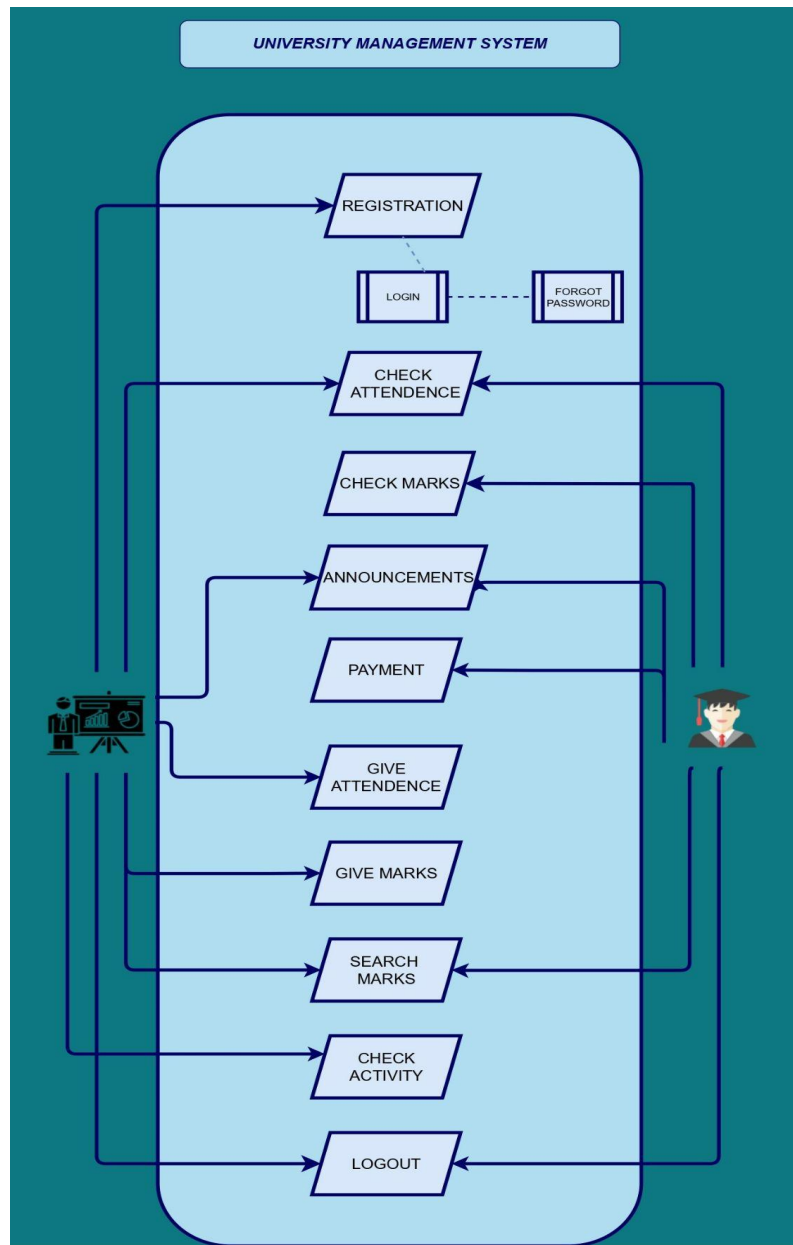
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## Introduction-

University management system project is a solution for colleges, universities, and schools. The system project is a software solution designed to address the issues that universities encounter. This software was created using Java. The University Management System helps make important tasks like admission, results processing, registration, and fee management more efficient, so they can be done faster.



## Use Case Diagram-



## Product Features

1. The proposed system helps to reduce the amount of paperwork, thereby reducing the chance of getting errors.
2. The proposed project can be used for handling information regarding a college efficiently.
3. The proposed project also gives a baseline for the university management system which could be further developed.
4. With the help of university management system, we will be able to provide flexible, neat and efficient communication between faculties and students

## Product Functions

1. University attendance management
2. University marking management
3. University Announcements
4. University Payment system

## USE CASES AND IMPLEMENTATION

Registration - The student and faculties can register to the system by using the registration use case. Actors - Student, Faculties.

Output - The Actor will be successfully registered to the system

Login - The student and faculties can login to the system by using the corresponding credentials. Actors - Student, Faculties Output- The user will be logged in the system.

Forgot Password - If the actor forgets the password, the user can use the forgot password option to re-enter to the system. Actors- Students and faculties.

Check Attendance - The user can check the attendance of students or a particular students. Actors - Students and faculties. Output - Attendance will be visible.

Check Marks - The user can check marks based on the proposed system. Actors - Student. Output - The marks will be visible.

Announcements - The user can make and view announcements on the proposed system. Actors - Student, Faculties Output - Announcements will be visible

Payment - The user will be able to see the dues and make payment. Actors - Student . Output - Payment will be completed.

**Give Attendance** - The user will be able to provide the attendance details. Actor - Faculties. Output - Attendance will be recorded.

**Give Marks** - The user will be able to give mark details. Actor - Faculties. Output - Marks will be stored in the excel file.

**Search Marks** - The user will be able to search marks. Actors - Students, Faculties. Output - Marks will be displayed.

**Check Activity** - The user will be able to check the activity of the system. Actors - Faculties Output - Activity will be displayed .

**Logout** - The user will be logged out of the system. Actors - Faculties, Students Output - print successfully logged out

## SOFTWARE AND INTERFACE REQUIREMENTS

1. Java
2. JFrames
3. Excel for storing data

## HARDWARE AND INTERFACE REQUIREMENTS

1. Laptop
2. PC
3. Windows/Linux/Macxos

## DATA STRUCTURES

1. Stack
2. Arrays
3. Queue
4. ArrayList
5. BinarySearch



## 6. BinarySearchTree