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COLLEGE MANAGEMENT SYSTEM

Under the guidance of
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PROFESSOR

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ABSTRACT

Now a days different technologies are taken into place in every aspect and it is important to improve the college management system and make the process of interaction between college management and students automate. For this the college management system was developed. In the present system students have to gone through manually for each and every aspect belong to them in college which consumes lot of time. The system we plan to implement will make all the process that happen in colleges automatic through application. In this student will login to this application and find out their respective details,materials,examination papers,attendance,placements information, fee details,information regarding voting and gate pass. The admins are the faculty that provide the details of the students. The system aims to save lot of time for students as well as for faculty

INTRODUCTION

Digital transformation is the new reality of this modern world. Besides industries such as manufacturing, corporates, banking, and commerce, education domain has new challenges and its of paramount importance to address the evolving needs of this domain. The college management system helps Educational Institutions especially colleges in various ways, such as storing data, maintain student profiles, analyzing administrative and academic data,improving communication and engaging students.

The College Management System is the ultimate solution to digitize and streamline the day-to-day operations of colleges and universities. From student enrolment system to admission management and online classes management to finance management and human resource management, as well as every other process of college operations. It also digitizes routine work of the campus and also manages the academic, administrative, and fee management and all other financial activities of a college.

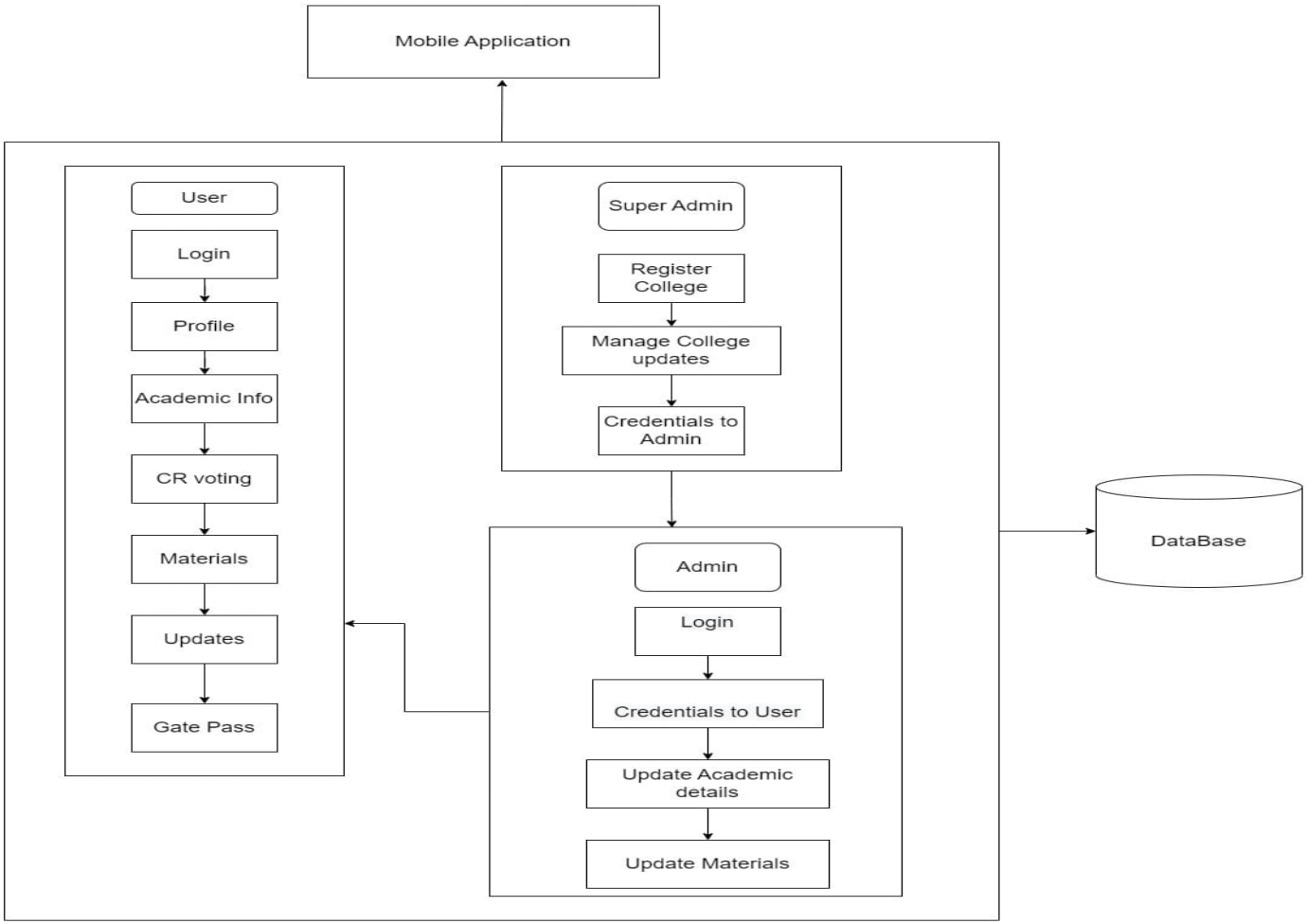
PROBLEM STATEMENT

The present manual process done by students or management in college like giving important announcements, finding out the results,voting,attendance, placement details, fee details done through manually by wasting lot of time. This waste lot of time for students as well as for college management which reduce the performance of students and colleges. Even though some colleges are trying to automate college activities using various technologies. The results are not efficient, as the existing one does not include all the tasks.The system we plan to implement will make all the process that happen in colleges automatic through application. The system aims to save lot of time for students as well as for facult.

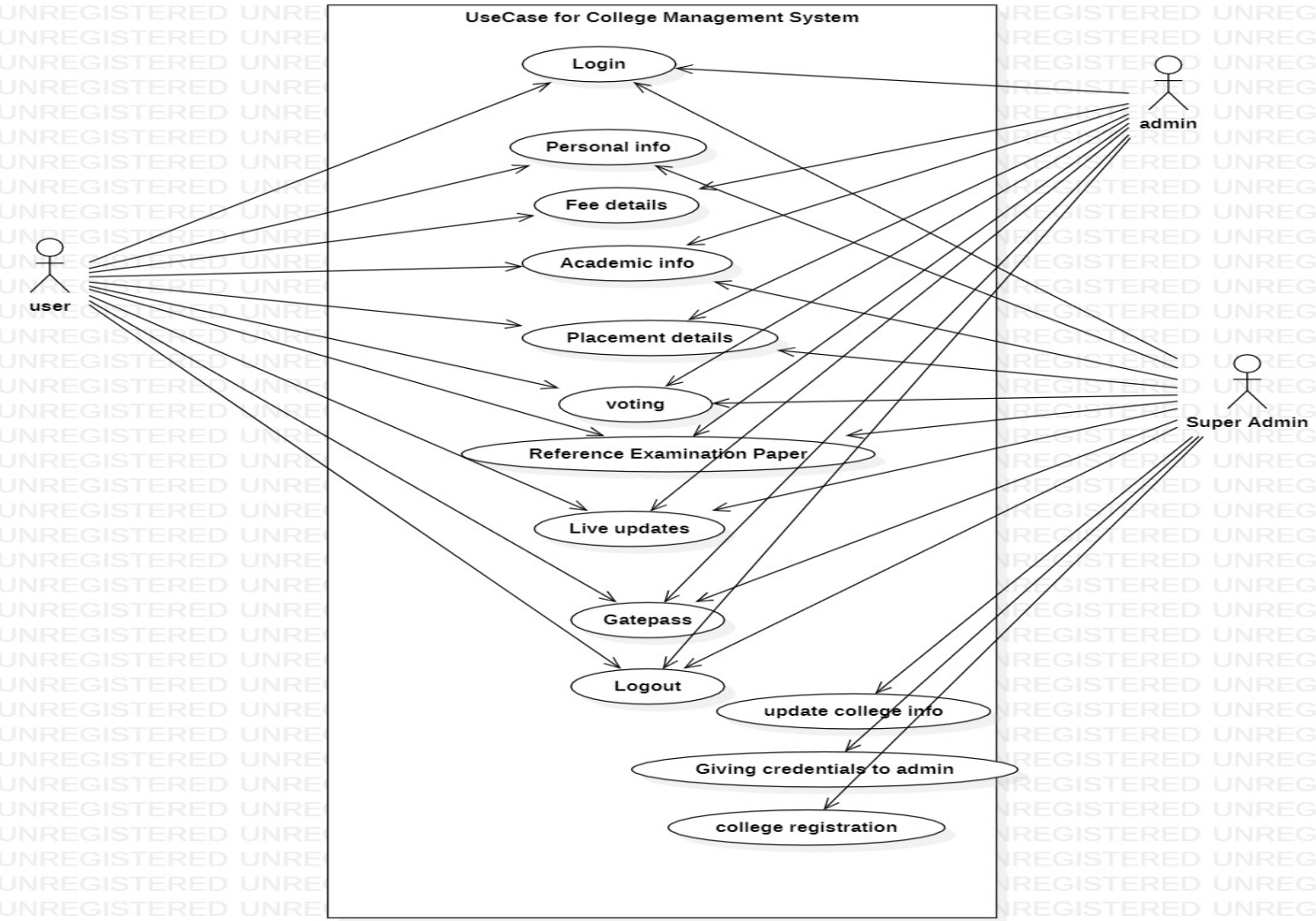
METHODOLOGY

- Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage.
- Once the work begins, teams cycle through a process of plan--ning, executing, and evaluating. Continuous collaboration is vital, both with team members and project stakeholders.
- The system can be categorized into three modules there are admin,manager,user.

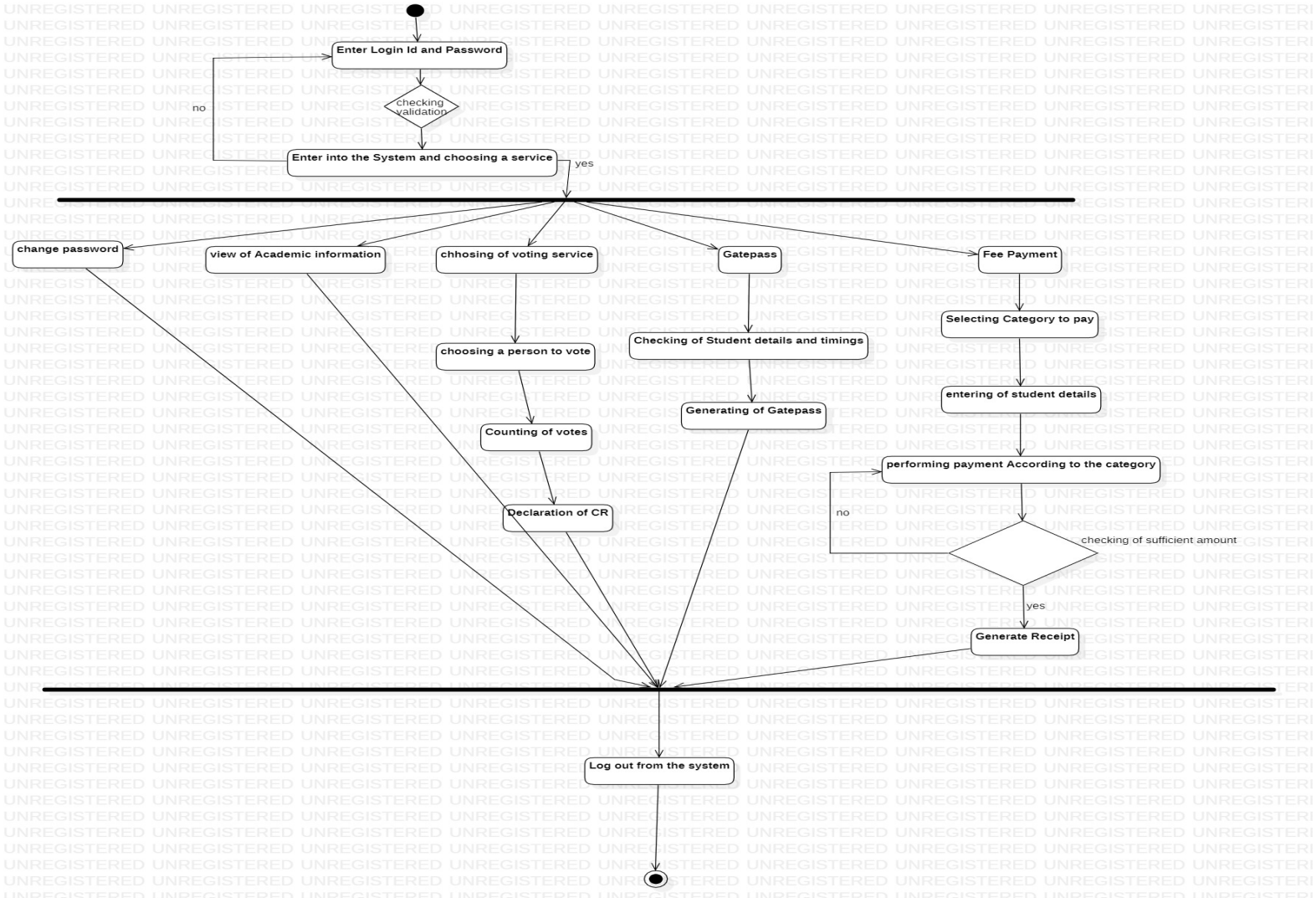
DESIGN


Mobile Application
User
Login
Profile
Academic Info
CR voting
Materials
Updates
Gate Pass
Super Admin
Register College
Manage College updates
Credentials to Admin
Admin
Login
Credentials to User
Update Academic details
Update Materials
DataBase

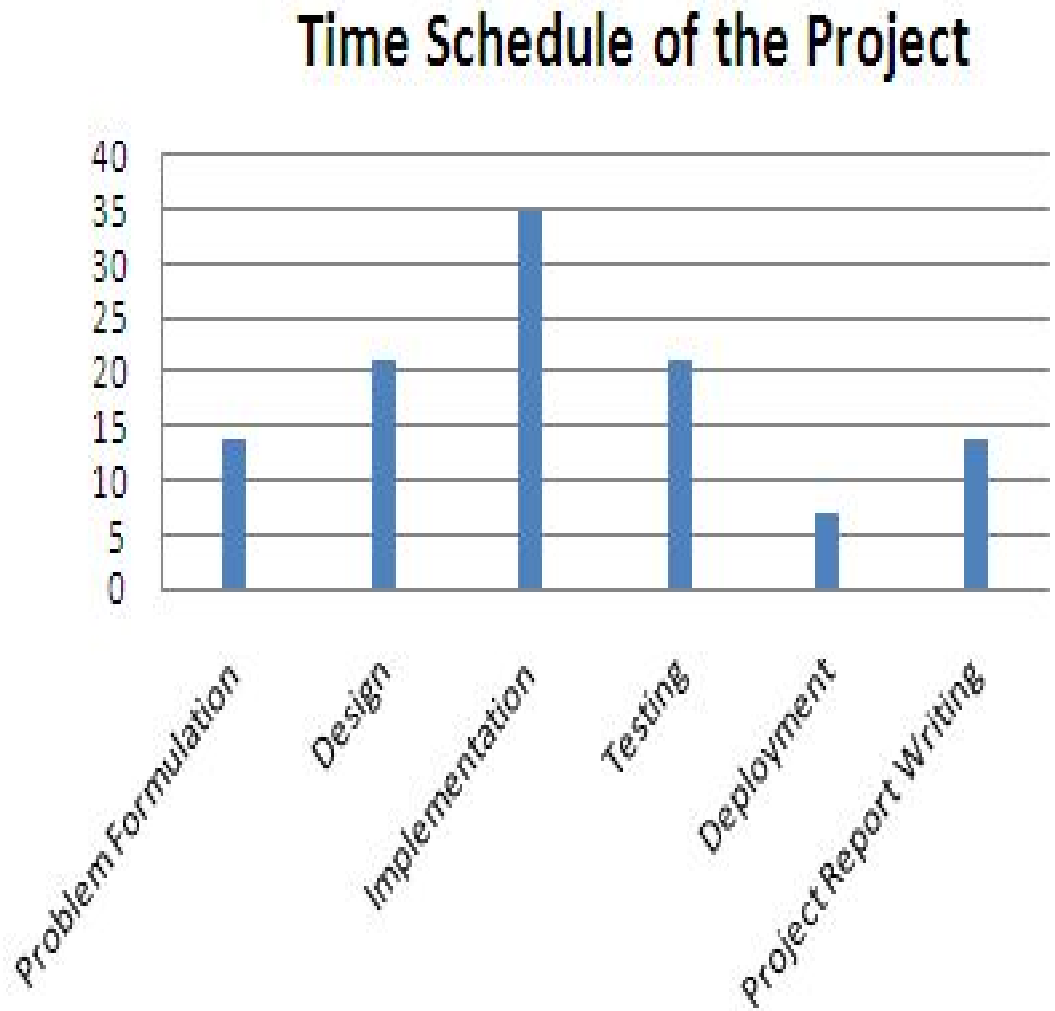
USE CASE DIAGRAM



ACTIVITY DIAGRAM



GANTT CHART


Time Schedule of the Project
40
35
30
25
20
15
10
5
0
Problem Formulation
Design
Implementation
Testing
Deployment
Project Report Writing

PROPOSED SYSTEM

The college management system is based on the activities that performed by students and faculty and other administrate people in colleges. This college management application is to automate the process done in colleges manually. In this students and admins have to register in this website with their credentials. The students will find their details, reference examination papers, attendance,Voting,gate pass,important announcements and dates or events happen in college, placement details, fee details and every thing that happen in col- lege automatically using this app with out going to anywhere through simply using this application.

LITERATURE SURVEY(PAPER-1)

Title,Author names	Institute Management Android Application: Ritwik Deshmukh, Tushar Patil, Karim Wadhvaniya, Chrisleen Fertel
Abstract	In this project,they proposed a mobile based sys- tem which manages all the data of students. The proposed system manages student's information and provide various services like Attendance Man- agement, Online Test Portal, Academic Calendar,Study Material, Feedback System etc.
Methodology	DES Algorithm is used to provide security. Data Encryption Standard or DES is a Block Cipher Al- gorithm. It takes plain text in form of 64 bits block and convert it into cipher text. It is done using a 48 bit key.

PAPER-1...

Algorithms /Languages	Android studio 3.2 PHP 7.3 MySQL 5.0.28 enter- prise server PHP Code Ignitor (MVC) Framework Bootstrap 3.7.1
Conclusion	The application offers reliability, time saving and easy control of the system. It can be used as a plat- form for maintaining the data of students, parents and staff.
Results	Created an Android Application which will provide online interface for the students, staff and Admin- istration, which will increase effi- ciency of record management by minimizing access time and to provide security to the data.

LITERATURE SURVEY(PAPER-2)

Title,Author names	Android Based College Campus App: Sharwan kumar sharma,Divya Dagwar
Abstract	To fulfil the requirements of students or parents or employee we designed an application based on the present scenario of market and latest technol- ogy like android,java,Gps etc to solve the student problem
Methodology	The Android Based collage Campus App is de- signed from a user point of view .The latest fea- tures are successsfully implemented using Android Studio tool and Attempts have the screens were designed in XML and business logic was written in java

PAPER-2...

Algorithms /Languages	java,SQLite,XML
Conclusion	The proposed app is much better than existing Android based application or the web based ap- plication in terms of the application,requirements of students,parents and public,technology and de- sign pattern used in design,usability of web pages
Results	It will improve the per capita and ranking of web- sites earning percapita will improve the economic and social growth of the country

HARDWARE/SOFTWARE IMPLEMENTATION

- User Module
- Admin Module
- Super Admin Module

User Module

The user module in a College Management System typically provides the following functionalities:

- **login:** This feature allows users to create an account on the college management system and login into the app by providing their details like mail id and entering the password which is generated by the admin or super admin through email.
- **Dashboard:** The application typically provides a dashboard where users can view their choices, such as their personal information,fee details,academic information,placement details,voting,examination papers,live updates and gatepass.

Overall, the user module in a college management system helps to streamline the user experience by providing a centralized platform for managing user activities.

Admin Module

The admin module in a college management system typically provides the following functionalities:

- **User Management:** The admin module allows the college management team to view and manage user accounts, including user registration, login and authentication.

- **Staff Management:** The admin module allows the management team to manage college staff, including their roles, schedules, and performance

Overall, the admin module in a college management system provides the management team with centralized tools to manage various aspects of the college, including users,voting,academic information,gate pass,placement details. This helps to improve the efficiency and effectiveness of college operations, resulting in a better user experience for students.

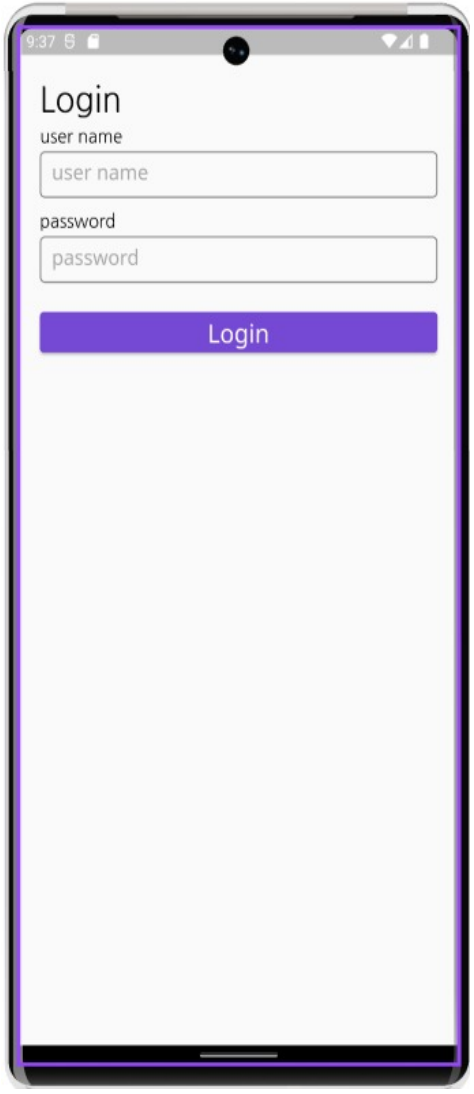
Super Admin Module

The super admin module in a college management system typically provides the following functionalities:

- **System Configuration:** The superadmin module allows the system administrator to configure system settings, such as database connections, email servers, security policies, and other system-wide settings.

- **User Role Management:** The superadmin module allows the system administrator to define and manage user roles and permissions, such as admin, staff, and user roles. This enables the system administrator to control access to system features and data. Overall, the superadmin module in a college management system provides the system administrator with centralized tools to manage various aspects of the system, including configuration, security, monitoring, backups, upgrades, and integrations. This helps to ensure the smooth and secure operation of the college management system,

EXPERIMENTAL RESULTS



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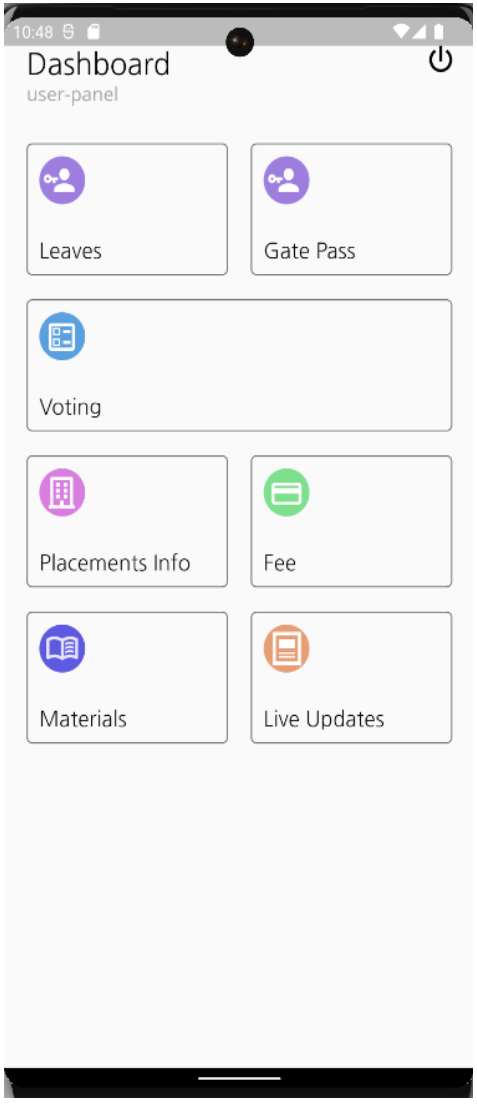

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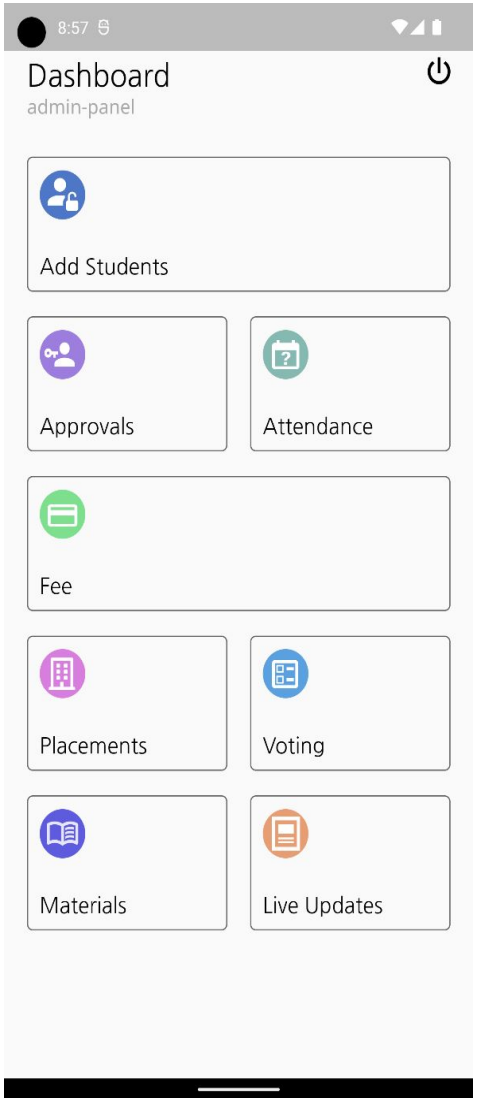

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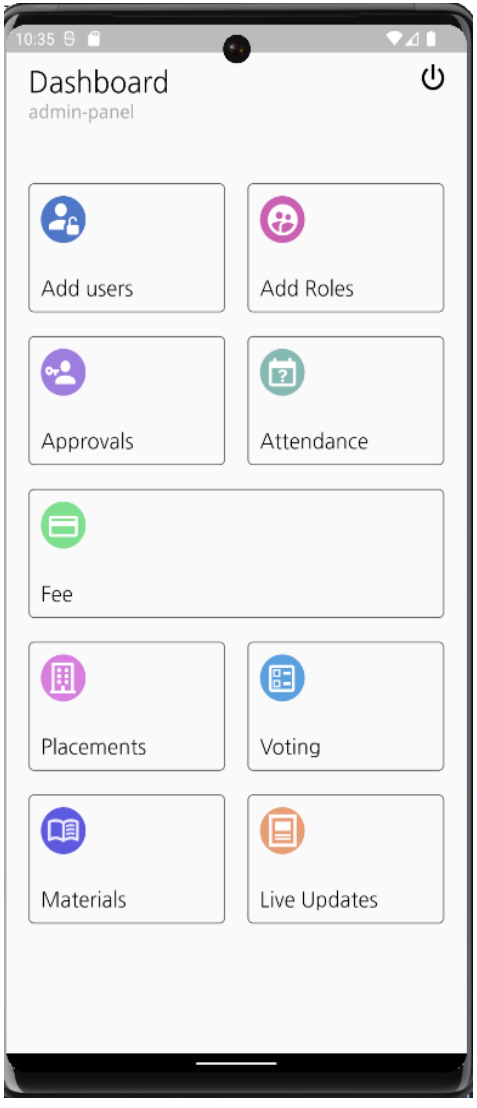

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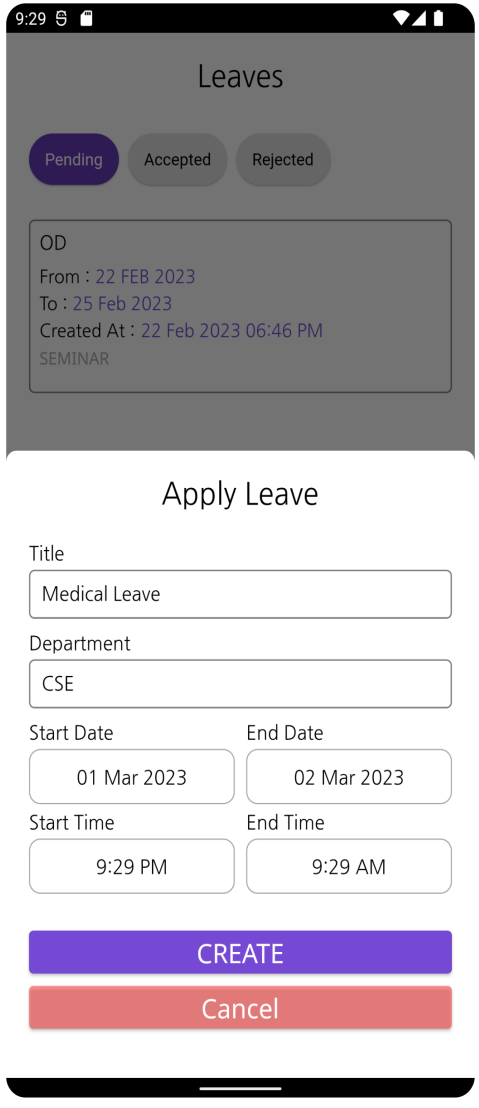

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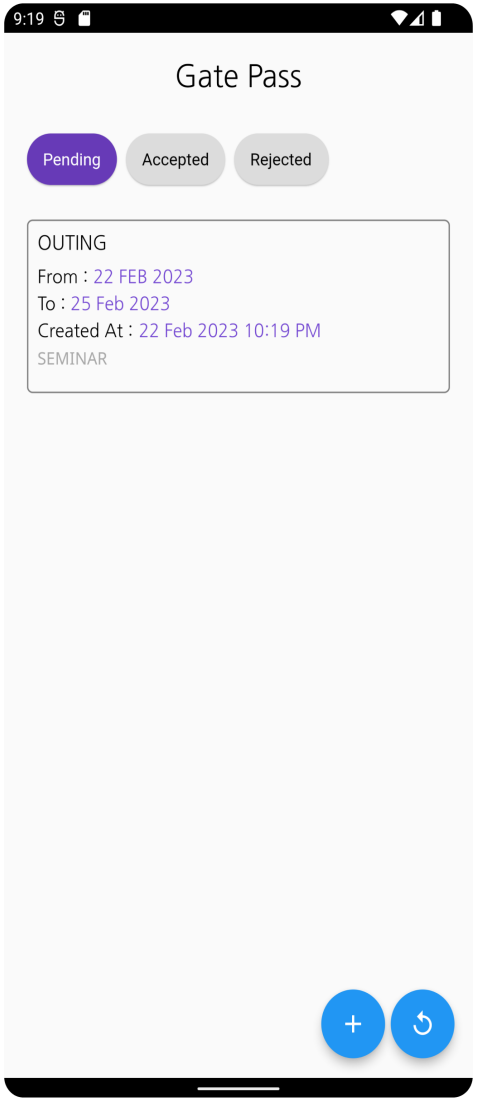

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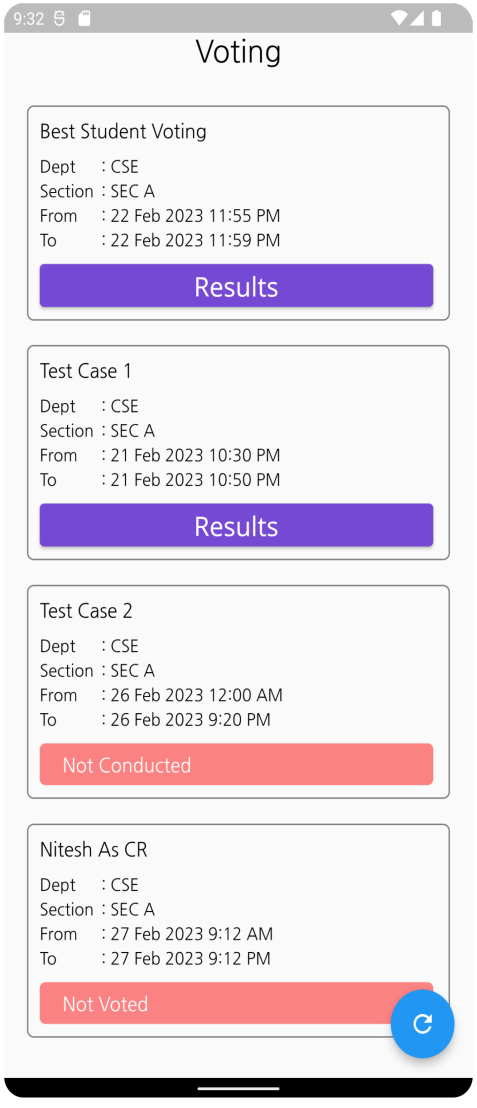

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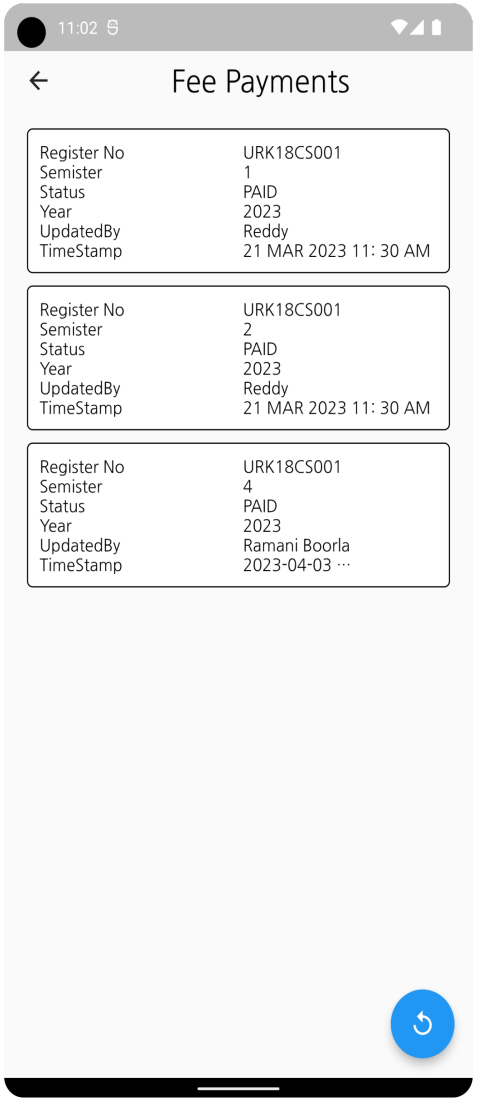

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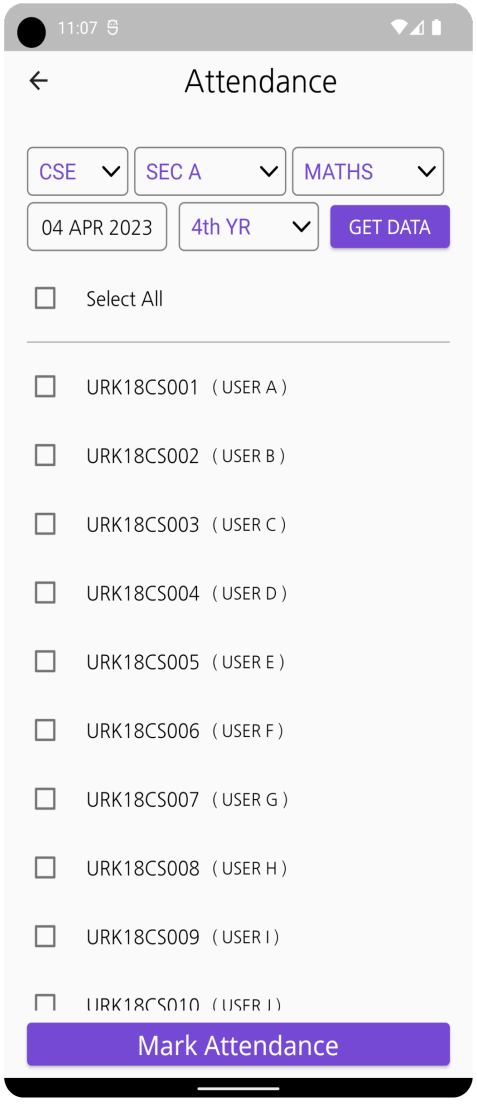

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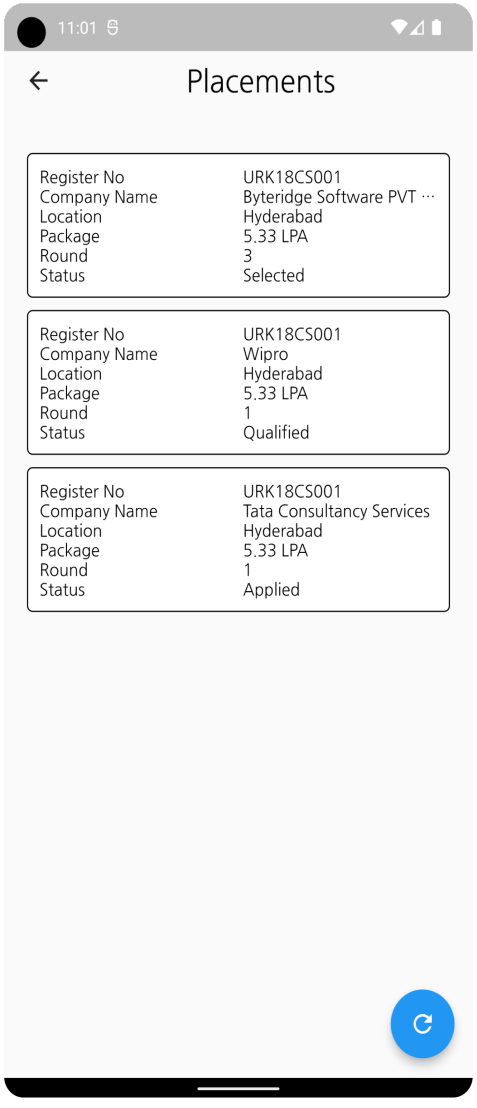

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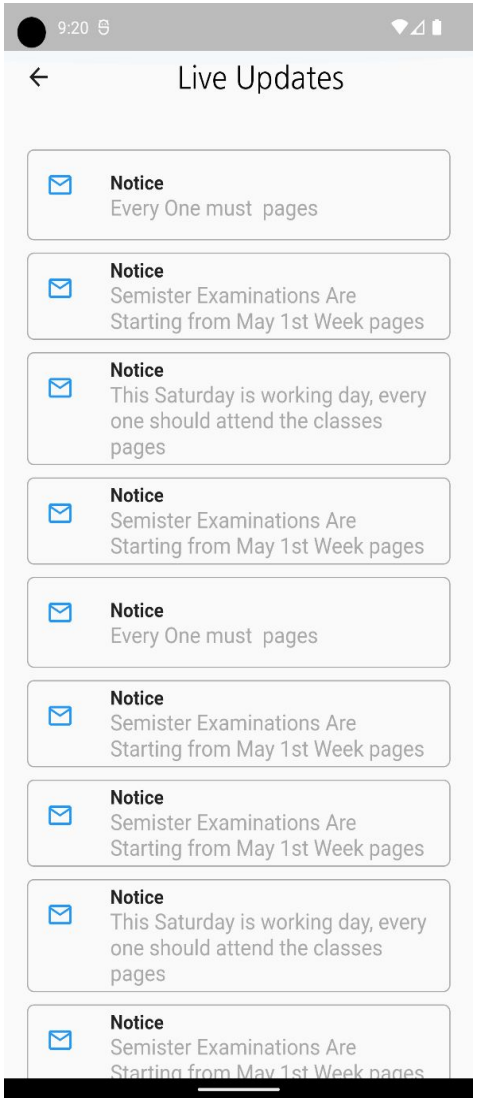

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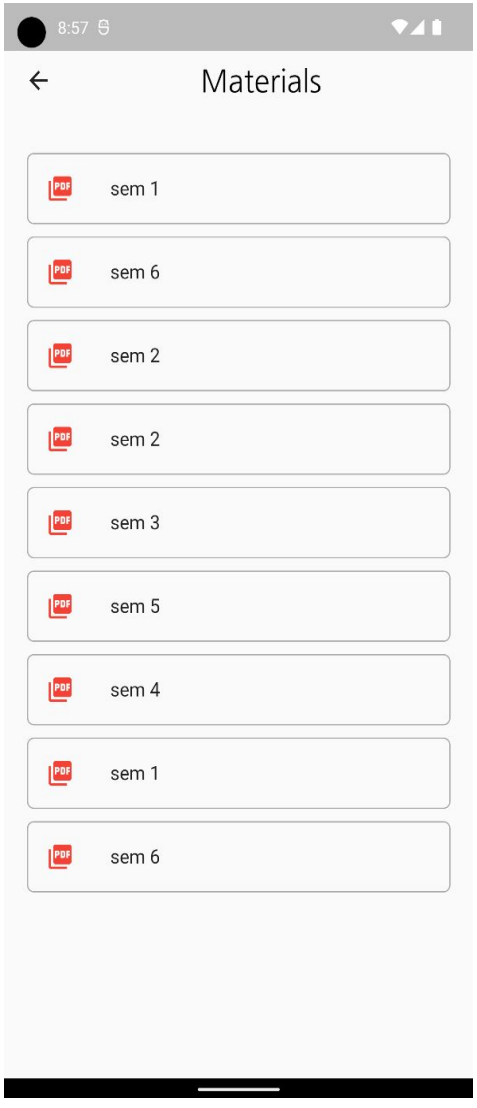

CONTRIBUTION OF CANDIDATE

Project Associate (PA)	Problem Formulation	Design	Implementation	Testing	Deployment	Project Report Writing
PA1 19K61A1212	Yes	Yes	Yes	Yes	Yes	Yes
PA2 19K61A1248	Yes	Yes	Yes	Yes	Yes	Yes
PA3 19K61A1250	Yes	Yes	Yes	Yes	Yes	Yes
PA2 19K61A1254	Yes	Yes	Yes	Yes	Yes	Yes

COMPARISION WITH EXISTING SYSTEM

The proposed college management system application is a significant improvement over the existing system. The proposed system is more efficient, accurate, and convenient. The online platform eliminates the need for maintaining registers, paperwork, and physical visits, which makes the process hassle-free. The proposed system provides an online platform for various tasks like attendance marking, fee payments, placement details, online voting, live events, gate pass, leave letter, previous year papers, materials, which makes it highly efficient and user-friendly. The proposed system saves time, effort, and resources and provides a better experience for both students and administrators.

CONCLUSION

The system proposed was used by colleges and schools to automate the process happened in their institutes like announcing results, placement details, finding fee and academic details, referring materials and previous examination papers and finding important events and updates happened in school. The user have to login to this application by using their credentials given by admin and find their details like fee, academic, placement, mark-sheets, materials etc. The admin are the faculty who updates all the details seen by user and they login to this application using the credentials given by super admin. The super admin is the head of the college who maintains this application in college. This application makes the process easy in colleges and educational institutes and improves the performance in college management.

SCOPE FOR FUTURE WORK

The college management system helps in automate he process happened in colleges and schools. Thus, the system can be further implemented for parents also. Parents can also able to login to the system and can able to see the performance of their children and updates in college. Study materials can as added in app for students in a dynamic way to get more easy for them to study

REFERENCES

- https://doi.org/10.33564/IJEAST.2020.v05i02.058
- https://doi.org/10.22214/ijraset.2022.41657
- https:// doi.org/10.1109/ICCMC.2018.8487950
- https://doi.org/10.17577/IJERTCONV7IS09017
- http://doi.org/10.1109/ICCMC.2014.70024008
- https://doi.org/10.3390/ijerph18084270

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