EDU-SEEK

A project Report
Submitted in partial fulfillment of
The requirements for the award of the

BACHELOR DEGREE
In
Computer Application
From
University of Calicut

Submitted By
MUHAMMED HESHAM MK - SFAUBCA027
MOHAMMED NOUFAL VP - SFAUBCA020
SANOOJ AP - SFAUBCA035

Carried out at

Department of Computer Application

Safa College of Arts & Science

POOKKATTIRI

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Safa College of Arts & Science

POOKKATTIRI

Certificate

This is to certify that the project report entitled **"EDU-SEEK"** is a record of the work done by **MUHAMMED HESHAM MK(SFAUBCA027), MOHAMMED NOUFAL VP (SFAUBCA020), SANOOJ AP(SFAUBCA035)** under our supervision and guidance. The report has been submitted in partial full fulfillment of the requirement for award of the Bachelor Degree in Computer Application from the University of Calicut for the year 2023.

Submitted for the University Exam on:

Head of the department: **Project coordinator:**

Mrs. Asia.P **Mrs. Asia.P**

Submitted to the project and viva-voce examination held on -----/-----/----

Declaration

I hereby declare that the project report entitled "**EDU-SEEK**" was carried out by me as the Bachelor Degree Project in Computer Application under the guidance and supervision of **Mrs.ASIA P** Head of Department of Computer Application, Safa College of Arts & Science and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgement has been made in the text.

Date: Signature:

Place

MUHAMMED HESHAM MK - SFAUBCA027
MOHAMMED NOUFAL VP - SFAUBCA020
SANOOJ AP - SFAUBCA035

Acknowledgement

I am obediently thankful to God Almighty, praise and glory be to him, for all his uncountable bounties and guidance, without which, this work would have never been a reality. An endeavour over a long period may be successful only with advice and guidance of many well-wishers. I take this opportunity to express my gratitude to all who encouraged me to complete this project. I would like to express my deep sense of gratitude to my respected Principal Dr P V Nidhin, for his inspiration and for creating an atmosphere in the college to do the project. My sincere thanks to project coordinator Mrs.Asia.p, Head of the department in Computer Application for guiding me and giving timely advices, suggestions and whole hearted moral support in the successful completion of this project. Last but not least, I would like to thank all the teaching and non-teaching staff and my friends who have helped me in every possible way in the completion of my project.

Abstract

Edu-seek is an application for a better and effective system for the admission procedures with excellent career guidance, for both under or post graduates. Every candidate can select and book for the admission of college and courses according to their choice and calibre. To help book their slots there is a news and article section in our application to go through for the better understanding of every college and courses, including the news about different entrance examinations throughout the country.

The application helps the student to select a perfect option for their higher studies and get the direct contact and chat connection with the institutions whether it is out of state or not. And the application makes the whole admission procedure more simple and easy for every students, at the same time making the admission available for all students regardless of gender, colour or race.

In our current situation lots of threatening are occurring on the education sector. Because the students or their parents doesn't enquire properly about the institutions and they are not fully satisfy about the admission. Because they don’t have a platform for their need. This problem can be solve by our project EDU-SEEK. In this application the student make a direct inquire with the institutions and book their seats as consider the number of seats In the college.

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INDRODUCTION

The increasing prevalence of technology in education has led to the development of online platforms for student admission and college inquiries. Many universities and colleges now offer online applications, allowing students to apply for admission from anywhere in the world. Similarly, there are now apps available that allow students to easily search and enquire about colleges.

We introduce an application for a better and effective system for the admission procedures with excellent career guidance, for both under or post graduates. And it is not dedicated for an individual college/institution, it is a public application were students would use the app to search for colleges that match their interests and requirements. Every candidate can select and book for the admission of college and courses according to their choice and calibre. To help book their slots there is a news and article section in our application to go through for the better understanding of every college and courses, including the news about different entrance examinations throughout the country.

The application helps the student to select a perfect option for their higher studies and get the direct contact and chat connection with the institutions whether it is out of state or not. And the application makes the whole admission procedure more simple and easy for every students, at the same time making the admission available for all students regardless of gender, colour or race.

SYSTEM ANALYSIS

System study is done in order to understand the problem and emphasize what is needed from system. The information requirements of the user for their competitive world Require such system. The various techniques used in this phase are Observations, Interviews and Discussions. A complete understanding of software requirements is essential to the success of a software development effort. System Analysis refers to an orderly structured process for identifying and solving problems using computer. It is the most essential part of the project development. It is the process of the gathering and interpreting facts, diagnosing problems and using the information to recommended improvements to the system. Training, experience and common sense are required for the collection of the information needed to do the analysis.

EXISTING SYSTEM

There is an existing system of extensive search engine for the students, parents, and education industry players who are seeking information on higher education sector in India and abroad named as **Collegedunia.com.** In this the student can only enquire about colleges ,universities,and courses.

DRAWBACKS OF THE EXISTING SYSTEM

- In existing system the website can only display the colleges and courses on the page. And the website didn't manage the admission procedure.It keeps a long distance between students and the institutions on their enquiring period.

PROPOSED SYSTEM

The existing applications and websites only appear to be an enquiry system. We introduce some updates in it. Here we present the app as three pages(sections). A news section,a Career advising section,and an admission related section.

EXTRA FEATURES:-

We attach a method to pre-book seats through online application with wallet payment system. The users can view the vacant slots in any college for their choice of courses.

We provide a rating system based on the reviews by the genuine students.

For the review every college pages have a comment section. The reviews are monitored and removed if not genuine.

We also provide a chat section with the officials in every single college page. Through this section the users can communicate with college administrations.

And we also provide a news section to give latest update about admissions, entrance exams, such latest updates in every colleges. And this section would handle by admin.

In the career section the application contains career related information for students. We can suggest students different career options as per their skills. We conduct examinations to find the calibre of each students, by which we can give them more profound and suitable careers. And the users can enter his mark percentage and previous path of study to help select his career ahead. And the section provide a chat section with career experts for any doubts.

MODULE DESCRIPTION

Main Modules of the system are:-

- ADMIN
- COLLEGE
- USER
- EXPERTS

ADMIN:

- Login
- Verify college
- Verify User
- View courses
- View facilities
- Add and manage Experts
- Add and manage news

COLLEGE:-

- Register
- Login
- Add and manage course
- Add and manage Fee
- Add and manage news
- Chat with users
- View booking
- View rating

USER:-

- Registration
- Login
- Search college
- Search course
- View college
- View facilities
- Chat with college
- Book seat
- Ask doubt to expert
- Attend test and view result
- Add and view rating college
- Add view review

EXPERTS:-

- Login
- View doubt and send replay
- Add manage test questions
- View result

FUNCTIONS OF DESKTOP APPLICATION

- Add expert and manage them, Add important news for reference of students by admin.
- The college can manage their page like, handling the booked seats ,give latest updates to the students through adding news, manage the course fee infrastructures, display the facilities to the users chat with the users for clearing their doubts or to solve their problems that they facing in their admission process. The expert section ,that expert can handle the test questions for the users and clear the doubt through giving replays to them.

FEASIBILITY STUDY

A feasibility study is a preliminary study undertaken to determine and document a project's viability. The results of this study are used to make a decision whether to proceed with the project. If it indeed leads to a project being approved, it will - before the real work of the proposed project starts - be used to ascertain the likelihood of the project's success. It is an analysis of possible alternative solutions to a problem and a recommendation on the best alternative. It, for example, can decide whether an order processing be carried out by a new system more efficiently than the previous one. The feasibility study proposes one or more conceptual solutions to the problem set for the project. The conceptual solution gives an idea of what the new system will look like. They define what will be done on the computer and what will remain manual. It also indicates what input will be needed by the system and what outputs will be produced.

These solutions should be proven feasible and a preferred solution is accepted.

1.Technical Feasibility

proposed system is technically feasible. Because This system is basically developed using python and android, for which the development kit is easily available and free of cost. This involves questions such as whether the technology needed for the system exits, how difficult it will be to build, and whether the firm has enough experience using that technology.

2.Economic Feasibility

This project is economically feasible. Because there is no need of any external equipment to run or work the project. This system is cost effective as well as time effective, There by making it economically feasible

3.Operational Feasibility

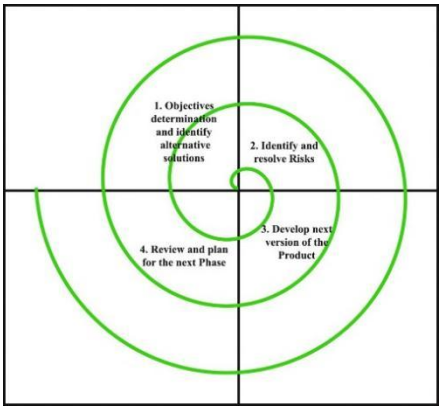
The project is operationally feasible because, Operational feasibility is a measure of how well a proposed system solves the problems. This reviews the willingness of the organization to support the proposed system

SOFTWARE ENGINEERING PARADIGM

The software engineering paradigm which is also referred to as a software process model or Software Development Life Cycle (SDLC) model is the development strategy that encompasses the process, methods and tools. SDLC describes the period of time that starts with the software system being conceptualized.

SPIRAL MODEL

The spiral model is one of the Software development life cycle model which is made by combining both iterative model and waterfall model, where product stats with the small set of requirements and go through the development of that small product to meet the specified requirements, used when there is need of more releases frequently.



ADVANTAGES

1. Software is produced early in the software life cycle.
2. Risk handling is one of important advantages of the Spiral model, it is best development model to follow due to the risk analysis and risk handling at every phase.
3. It is good for large and complex projects.
4. Strong approval and documentation control.

In this project we used spiral model for mainly handling the risks when the project is done. Due to this model we can complete every single units fully. This is a simple and advanced model in software development. It is very effective in the case of large and complicated projects.

SYSTEM REQUIREMENTS SPECIFICATION

System Specification

Hardware and software requirements for the installation and smooth functioning of this product could be configured based on the requirements needed by the component of the operating environment that works as front-end system here we suggest minimum configuration for the both hardware and software components. Working off with this software is requirements concrete on system environments. It includes two phases.

- Hardware Specification
- Software Specification

Hardware Requirements

- Processor : AMD Ryzen 7 5700U with Radeon.
- System Bus : 32Bit or 64Bit
- RAM : 8 GB or Above
- Storage : 20 GB or Above Hard Disk
- Monitor : 14” LCD or Above
- Key Board : 108 Keys
- Mouse : Any Type of mouse

Software Requirements

- Operating System : Windows 10 Any 32 bit or 64-bit platform
- IDE : PyCharm ,android studio
- Framework : Flask
- Database : MySQL Server

SYSTEM DESIGN

System design is the first in the development phase for many engineered product or system. It may define the process of applying various techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. This phase is the first step in moving from the problem domain to the solution domain. It is an iterative process through which requirements are transmitted into ―blue print‖ for constructing the software initially. Blue print depicts holistic new software. Some properties for the system design are:

- Verifiability
- Completeness
- Efficiency
- Traceability

1. Input Design

The decisions made during the input design are:

- To provide cost effective method of input
- To achieve the highest possible level of accuracy

Input design is the process of converting user-designated inputs to a computerized format. The input data are collected and organized in to group of similar data.

2. Output Design

Output design generally refers to the results and information that are generated by the system. The results are of in interactive mode. A common user can also use the application. In output design the emphasis is given to the design of the hard copy and a soft copy of the information needed to the user.

3. Database Design

Database design is the process of producing a detailed data model of a database. This logical data model contains all the needed logical and physical design choices and physical storage parameters needed to generate a design in a data definition language, which can then be used to create a database. The term database design can be used to describe many different parts of the design of an overall database system. Principally, and most correctly, it can be thought of as the logical design of the base data structures used to store the data. In the relational model these are the tables and views. In an object database the entities and relationships map directly to object classes and named relationships. However, the term database design could also be used to apply to the overall process of designing, not just the base data structures, but also the forms and queries used as part of the overall database application within the database management system. The process of doing database design generally consists of a number of steps which will be carried out by the database designer. Usually, the designer must: Determine the relationships between the different data elements and superimpose a logical structure upon the data on the basis of these relationships.

Normalization

Normalization is the process of decomposing a set of relations with anomalies to produce smaller and well-structured relations that contain minimum redundancy. It is a formal process of deciding which attributes should be grouped together in a relation.

First Normal Form

First Normal form (1NF) is now considered to be part of the formal definition of relational model.1NF is designed to disallow multivalve attribute, composite attributes, and their combinations. It states that the domain of an attribute must include only atomic values. A domain is atomic, if elements of the domain are considered to be indivisible units. We say that a relational schema R is in 1NF if the domain of all attributes of _R 'is atomic.

Second Normal Form

Second Normal form (2NF) is based on the concept of functional dependency. A relation R is in 2NF if it is in 1NF and every non key attribute A of R is fully dependent on the primary key. That is, relation is said to be in 2NF if each attribute An in R meets one of the following criteria:

(a) It appears in the primary key.

(b) It is fully functionally dependent on the primary key.

The tables designed in the proposed system, contain a primary key for uniquely identifying each user.

Third Normal Form

Third Normal form (3NF) is based on the concept of transitive dependency. A relation is said to be in 3NF if it is in 2NF and has no transitive dependencies. That is all the non key attribute should be functionally determined by the primary key. In the proposed system all attributes of tables are fully depends on the primary key only that is all non-key attributes are mutually independent.

TABLES

A data base is a collection of inter related data store with minimum redundancy to serve many users quickly and efficiently. The general objectives is to make in formation access easy, quick, inexpensive and flexible for the user. In a database environment, common data are available in which several users can use. The concept behind a database is an integrated collection of a data and provides a centralized access to the data from the program. The following tables are used in this project.

Login table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
l_id	int	11		☑	☑	☐	☑	☐	☐	
username	varchar	30		☐	☐	☐	☐	☐	☐	
password	varchar	30		☐	☐	☐	☐	☐	☐	
l_type	varchar	30		☐	☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	☐	

Experts table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
ex_id	int	11		☑	☑	☐	☑	☐	☐	
l_id	int	11		☐	☐	☐	☐	☐	☐	
ex_fname	varchar	30		☐	☐	☐	☐	☐	☐	
ex_lname	varchar	30		☐	☐	☐	☐	☐	☐	
ex_gender	varchar	30		☐	☐	☐	☐	☐	☐	
ex_place	varchar	30		☐	☐	☐	☐	☐	☐	
ex_pin	bigint	20		☐	☐	☐	☐	☐	☐	
ex_post	varchar	30		☐	☐	☐	☐	☐	☐	
ex_phone	bigint	20		☐	☐	☐	☐	☐	☐	
ex_email	varchar	50		☐	☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	☐	

Seat table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
seat_id	int	11		☑	☑	☐	☑	☐	☐	
cou_id	int	11		☐	☐	☐	☐	☐	☐	
vac_seat	int	11		☐	☐	☐	☐	☐	☐	

User table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
user_id	int	11		☑	☑	☐	☑	☐	☐	
l_id	int	11		☐	☐	☐	☐	☐	☐	
user_fname	varchar	30		☐	☐	☐	☐	☐	☐	
user_lname	varchar	30		☐	☐	☐	☐	☐	☐	
u_gender	varchar	30		☐	☐	☐	☐	☐	☐	
u_place	varchar	30		☐	☐	☐	☐	☐	☐	
u_post	varchar	30		☐	☐	☐	☐	☐	☐	
u_pin	bigint	20		☐	☐	☐	☐	☐	☐	
u_phone	bigint	20		☐	☐	☐	☐	☐	☐	
u_email	varchar	30		☐	☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	☐	

Course table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
cou_id	int	11		☑	☑	☐	☑	☐	☐	
coll_id	int	11		☐	☐	☐	☐	☐	☐	
cou_name	varchar	30		☐	☐	☐	☐	☐	☐	
des_course	varchar	1000		☐	☐	☐	☐	☐	☐	
total_seat	int	100		☐	☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	☐	

Facilities table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
fec_id	int	11		☑	☑	☐	☑	☐	☐	
coll_id	int	11		☐	☐	☐	☐	☐	☐	
facilities	varchar	500		☐	☐	☐	☐	☐	☐	
fec_description	varchar	500		☐	☐	☐	☐	☐	☐	

Fee table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
fee_id	int	11		☑	☑	☐	☑	☐	☐	
cou_id	int	11		☐	☐	☐	☐	☐	☐	
coll_id	int	11		☐	☐	☐	☐	☐	☐	
fee_details	varchar	50		☐	☐	☐	☐	☐	☐	

Chat table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
chat_id	int	11		☑	☑	☐	☑	☐	☐	
from_id	int	11		☐	☐	☐	☐	☐	☐	
to_id	int	11		☐	☐	☐	☐	☐	☐	
chat	varchar	500		☐	☐	☐	☐	☐	☐	
date	date			☐	☐	☐	☐	☐	☐	
time	time			☐	☐	☐	☐	☐	☐	

Booking table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
b_id	int	11		☑	☑	☐	☑	☐	☐	
user_id	int	11		☐	☐	☐	☐	☐	☐	
cou_id	int	11		☐	☐	☐	☐	☐	☐	
date	date			☐	☐	☐	☐	☐	☐	
status	varchar	50		☐	☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	☐	

News table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
news_id	int	11		☑	☑	☐	☑	☐	☐	
l_id	int	11		☐	☐	☐	☐	☐	☐	
news	varchar	500		☐	☐	☐	☐	☐	☐	
date	varchar	50		☐	☐	☐	☐	☐	☐	

Payment table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
id	int	11		☑	☑	☐	☑	☐	☐	
booking_id	int	11		☐	☐	☐	☐	☐	☐	
amount	varchar	50		☐	☐	☐	☐	☐	☐	
date	varchar	50		☐	☐	☐	☐	☐	☐	

Question table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
test_id	int	11		☑	☑	☐	☑	☐	☐	
eid	int	11		☐	☐	☐	☐	☐	☐	
test_question	varchar	500		☐	☐	☐	☐	☐	☐	
op1	varchar	500		☐	☐	☐	☐	☐	☐	
op2	varchar	500		☐	☐	☐	☐	☐	☐	
op3	varchar	500		☐	☐	☐	☐	☐	☐	
op4	varchar	500		☐	☐	☐	☐	☐	☐	
answer	varchar	500		☐	☐	☐	☐	☐	☐	
mark	int	11		☐	☐	☐	☐	☐	☐	

Rating table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
ra_id	int	11		☑	☑	☐	☑	☐	☐	
coll_id	int	11		☐	☐	☐	☐	☐	☐	
l_id	int	11		☐	☐	☐	☐	☐	☐	
rating	varchar	50		☐	☐	☐	☐	☐	☐	
date	date			☐	☐	☐	☐	☐	☐	
review	varchar	100		☐	☐	☐	☐	☐	☐	

Replay and doubt table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
d_id	int	11		☑	☑	☐	☑	☐	☐	
user_id	int	11		☐	☐	☐	☐	☐	☐	
ex_id	int	11		☐	☐	☐	☐	☐	☐	
doubt	varchar	500		☐	☐	☐	☐	☐	☐	
replay	varchar	500		☐	☐	☐	☐	☐	☐	
date	varchar	50		☐	☐	☐	☐	☐	☐	

Result table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
result_id	int	11		☑	☑	☐	☑	☐	☐	
user_id	int	11		☐	☐	☐	☐	☐	☐	
result	varchar	30		☐	☐	☐	☐	☐	☐	
tid	int	11		☐	☐	☐	☐	☐	☐	

College table

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	On Update	Comment
coll_id	int	11		☑	☑	☐	☑	☐	☐	
l_id	int	11		☐	☐	☐	☐	☐	☐	
coll_name	varchar	30		☐	☐	☐	☐	☐	☐	
coll_place	varchar	30		☐	☐	☐	☐	☐	☐	
post	varchar	30		☐	☐	☐	☐	☐	☐	
pin	bigint	20		☐	☐	☐	☐	☐	☐	
phone	bigint	20		☐	☐	☐	☐	☐	☐	
email	varchar	30		☐	☐	☐	☐	☐	☐	

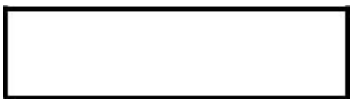
ARCHITECTURE DIAGRAMS/DFD

Data flow diagram issued to define the flow of the system audits resources such as information. Data flow diagrams represent one of the most ingenious tool sussed for structured analysis. A Dataflow diagram or DFD as it is shortly called is also known as a bubble chart. It is the major starting point in the design phase that functionally decomposes the requirement specifications down to the lowest level of details.

In the normal convention,

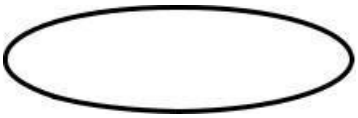
A Data flow diagram has four major symbols.

1. Square: This defines source or destination of data



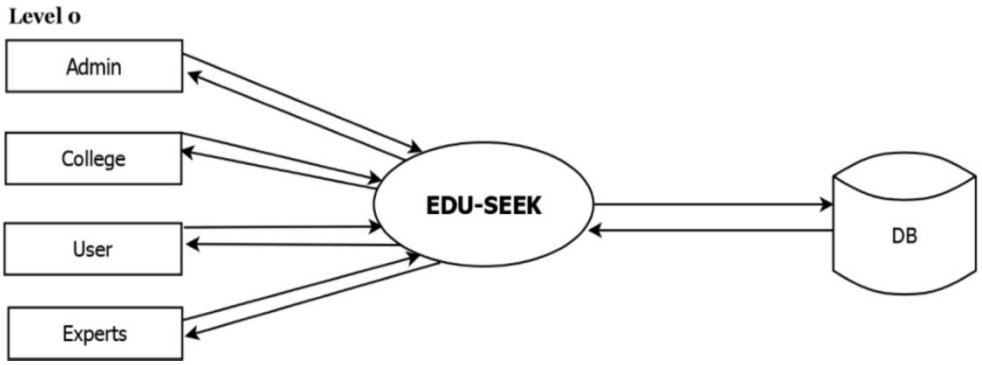
2. Arrow: which shows data flow

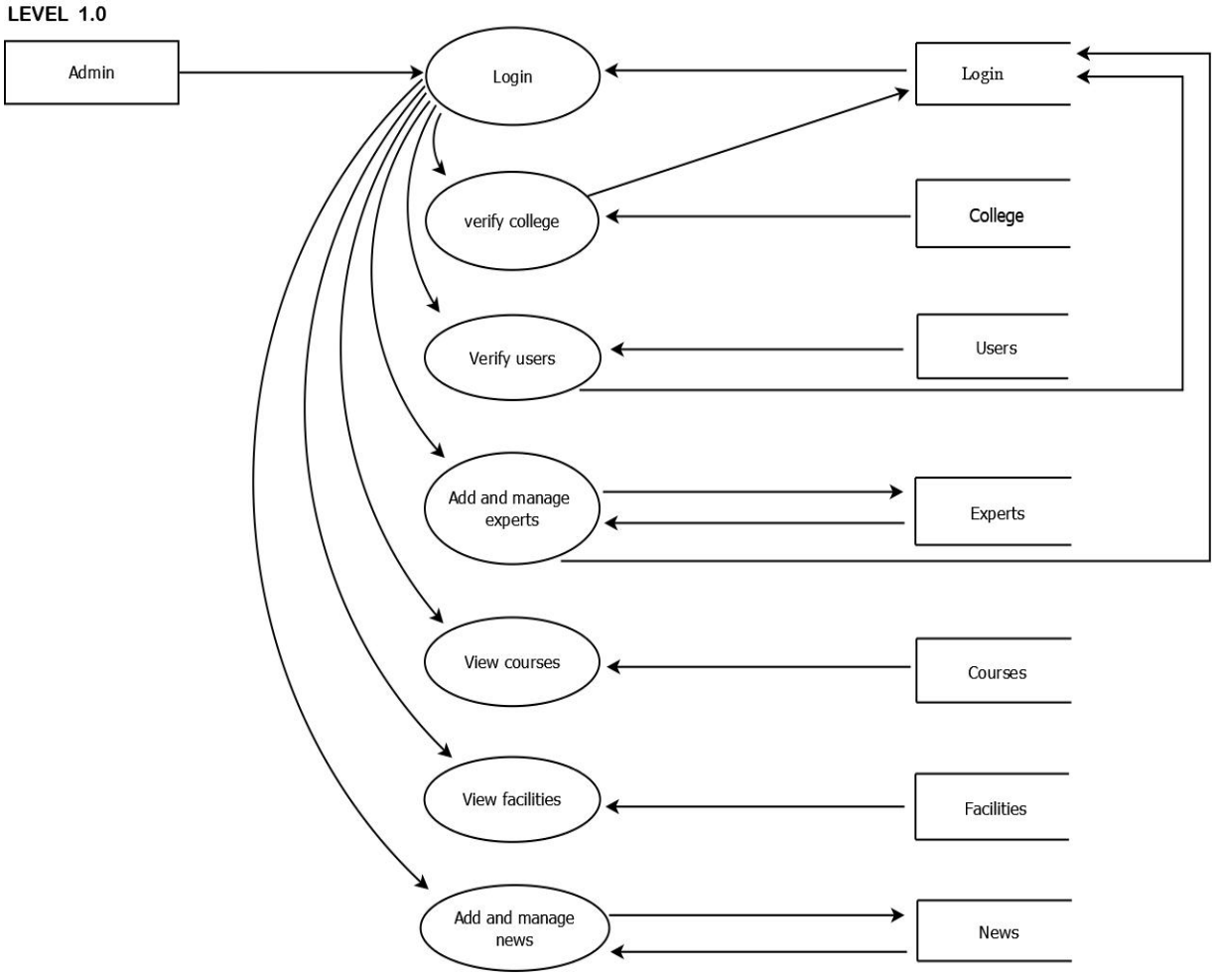
3. Circle: which represent a process that transforms incoming data in to outgoing flow



4. Open rectangle: which shows data store

DATA FLOW DIAGRAM





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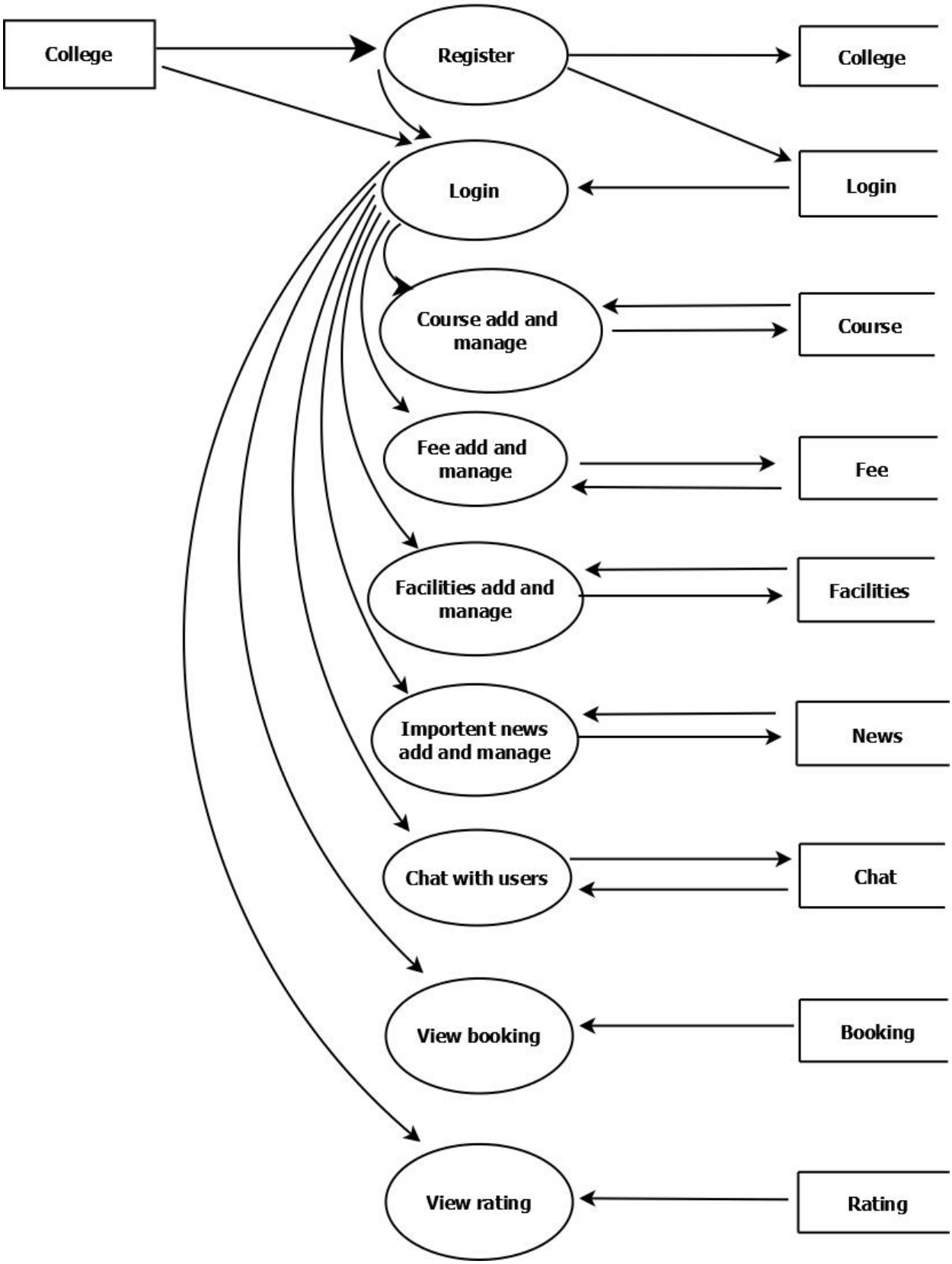
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Register
College
Login
Login
Course add and manage
Course
Fee add and manage
Fee
Facilities add and manage
Facilities
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News
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Chat
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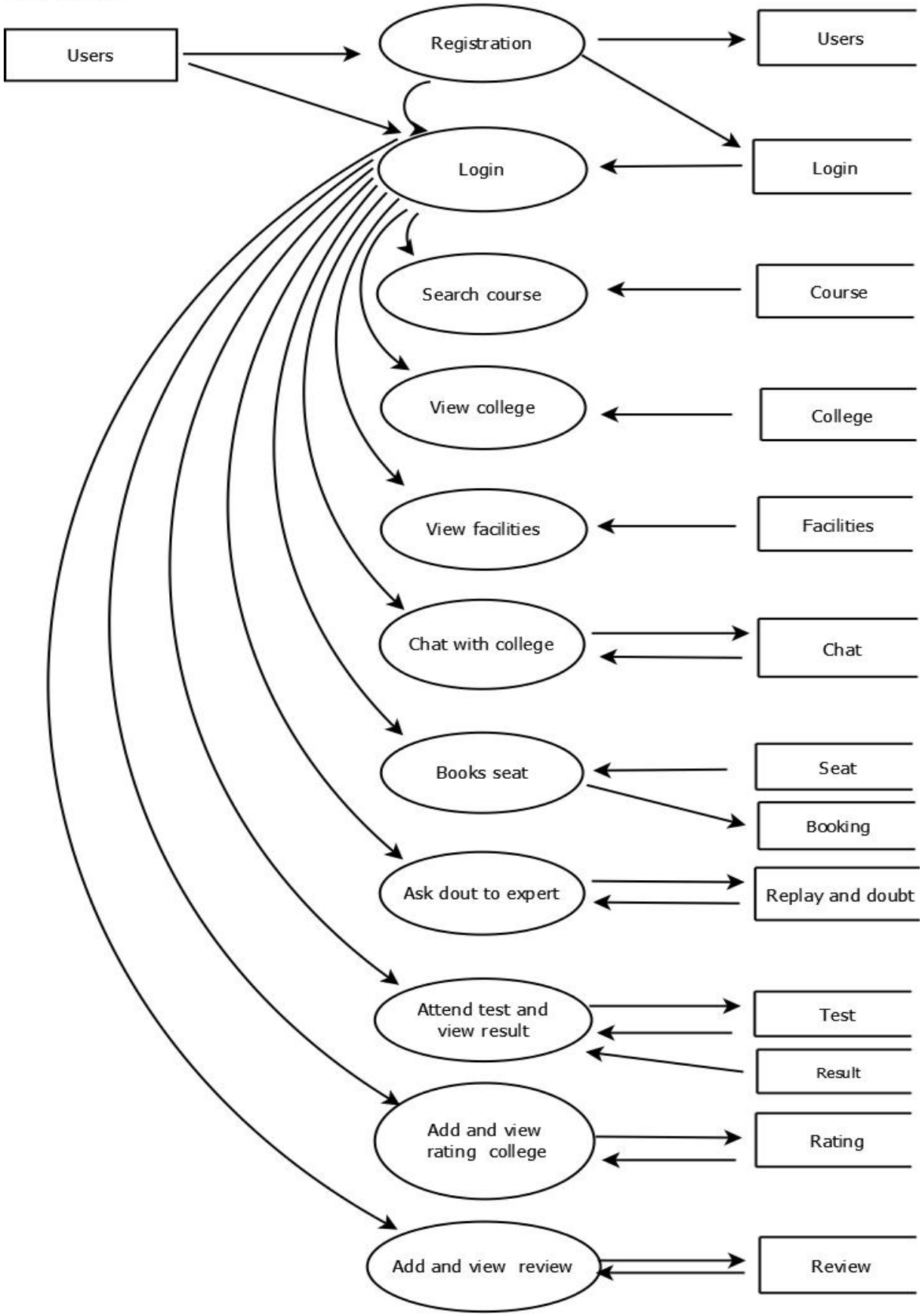
Booking
View rating
Rating

LEVEL 1.2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Registration
Users
Login
Login
Search course
Course
View college
College
View facilities
Facilities
Chat with college
Chat
Books seat
Seat
Booking
Ask dout to expert
Replay and doubt
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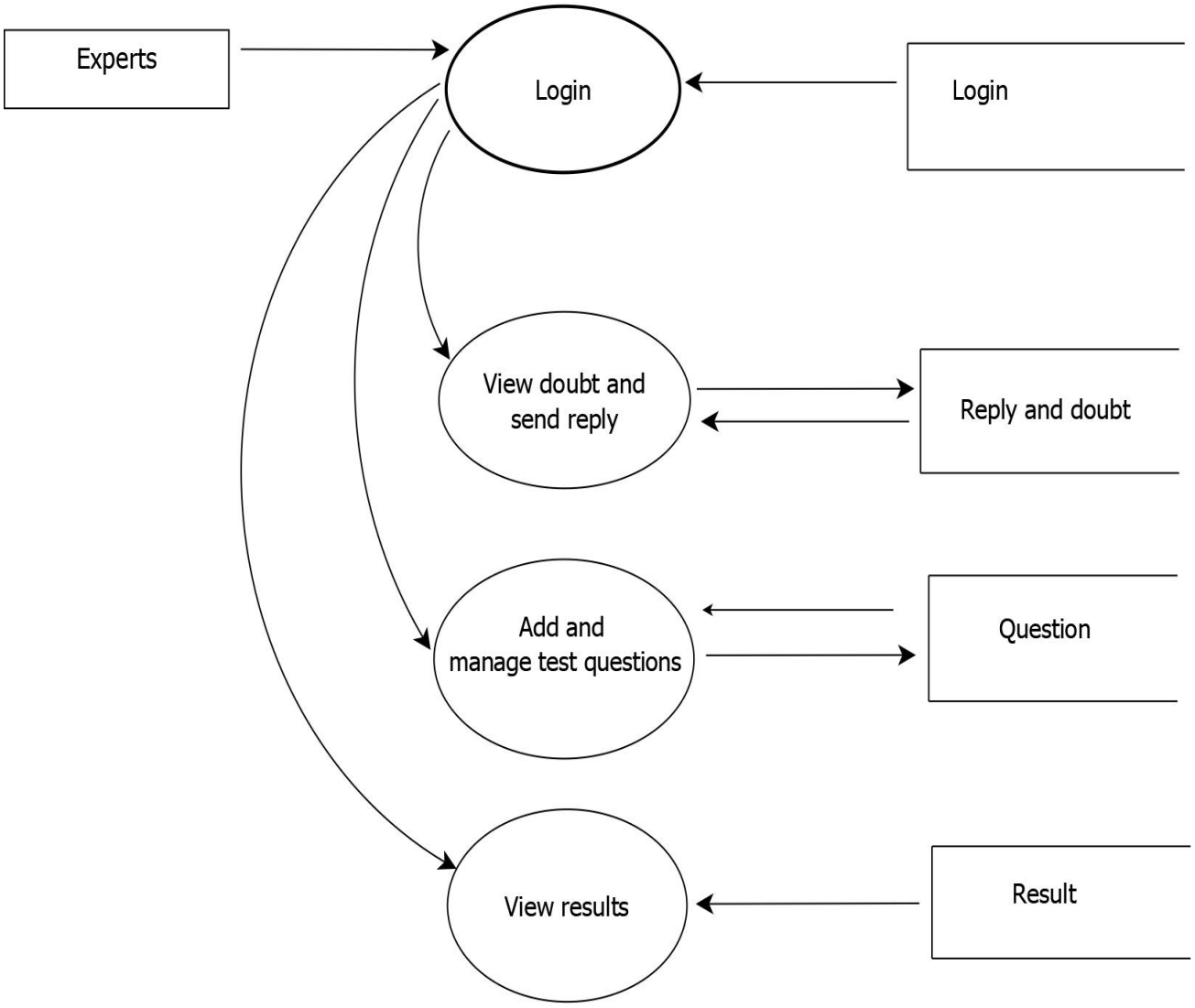
Test
Result
Add and view rating college
Rating
Add and view review
Review

LEVEL 1.3


Experts
Login
Login
View doubt and send reply
Reply and doubt
Add and manage test questions
Question
View results
Result

SYSTEM DEVELOPMENT

System development is series of operations to manipulate data to produce output from computer system. The Principles activities performed during the development phase can be divided into two major related sequences:

.

- External system development
- internal system development

CODING

A code is an ordered collection of symbols designed to provide unique identification of entity or an attribute. Code also show interrelationship among different items. Codes are used to identify, access, sort, matching records. The code ensures that only one value of code with a single meaning is applied to give entity or attribute as described in various ways.

FRONT END:

Python – An Overview

Python is an interpreter, object-oriented, high-level programming language with dynamic semantics. Its high-level built-in data structures, combined with dynamic typing and dynamic binding, Python's simple, easy to learn syntax emphasizes readability and therefore reduces the Debugging Python programs is easy: a bug or bad input will never cause a segmentation fault. Instead, when the interpreter discovers an error, it raises an exception. Python is meant to be an easily readable language

.

BACK END:

MySQL Database

Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network (including the Internet).Structured Query Language

is a domain-specific language used in programming and designed for managing data held in a relational database management system (RDBMS), or for stream processing in a relational data stream management system (RDSMS).The scope of SQL includes data insert, query, update and delete, schema creation and modification, and data access control
SQL commands are grouped in to four major categories depending on their functionality.

• **Data Definition Language (DDL)**

These SQL commands are used for creating, modifying, and
Dropping the structure of data base objects. The commands are CREATE, ALTER, DROP, RENAME and TRUNCATE.

•**Data Manipulation Language (DML)**

These SQL commands are used for storing, retrieving, modifying, and deleting data. These Data Manipulation Language commands are: SELECT, INSERT, DELETE AND UPDATE.

SYSTEM TESTING

Testing is an important step in the software engineering process that could view rather than constructive. Testing is the process of executing a program with the intent of finding an error. A good test is that has probability to find an as yet undiscovered error. Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding. **Testing Strategy:**

Unit Testing

Unit testing focused verification efforts on the smallest unit of software design, the module. This is also known as ―module testing. The modules are tested separately. This testing is carried out during programming stage itself. In this testing step each module is found to be working satisfactorily as regard to the expected output from the module.

Integration Testing

The integration testing is a systematic testing for constructing the programs structure, while at the same time conducting tests to uncover errors associated within the interface. The objective is to take unit tested modules and build a program structure. All the modules are combines and tested as a whole. Here correction is difficult because the vast expenses of the entire program complicate the isolation of causes.

System Testing

After performing the validation testing, the next step is output testing of the proposed system since no system could be useful if it doesn‘t produces the required data in the specific format. The output displayed or generated by the system under consideration is tested.

IMPLIMENTATION

Implementation is the stage of project, when theoretical design is turned in to a working system. The most crucial stage is achieving a successful system and confidence that the new system will be work effectively. Implementation means converting a new or revised system design into an operational one.

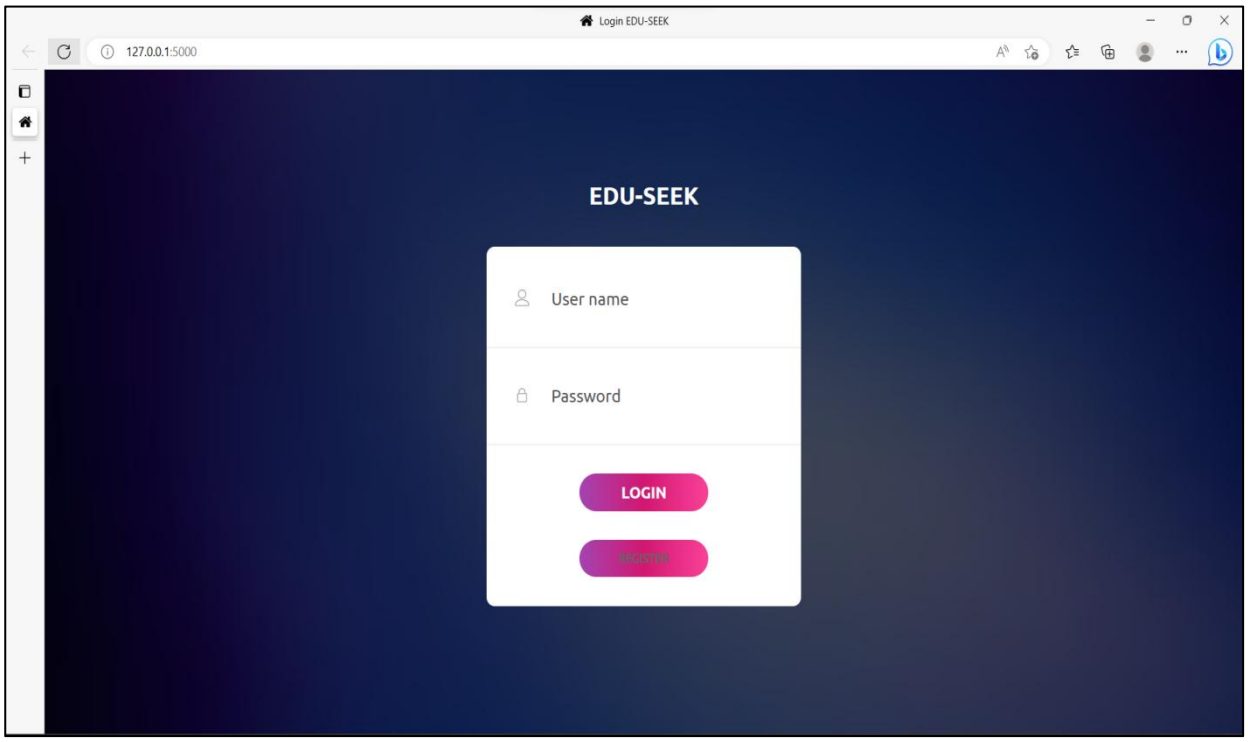
There are several activities involved while implementing a project:

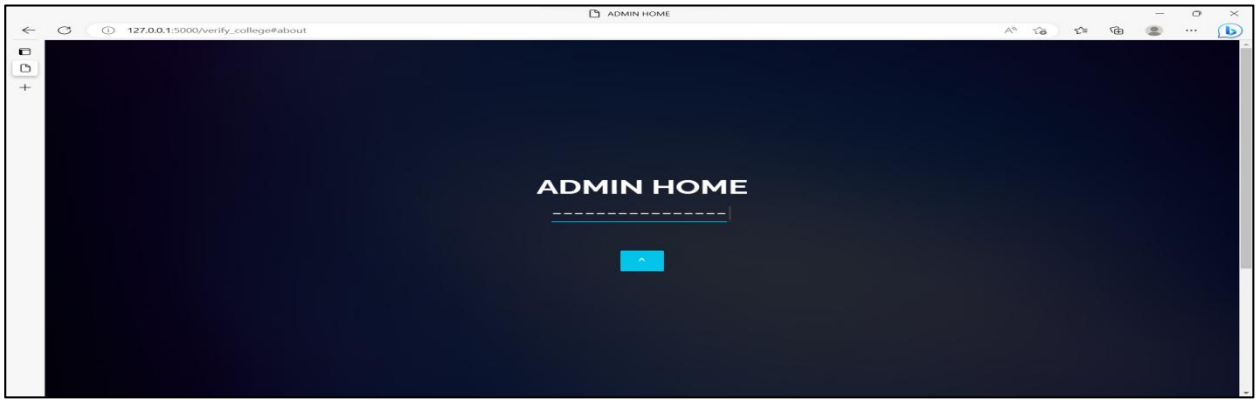
- Careful planning.
- Investigating the current system and its constraints on implementation.
- Design of methods to achieve the changeover.
- Training of the staff in the changeover procedure and evaluation of change over

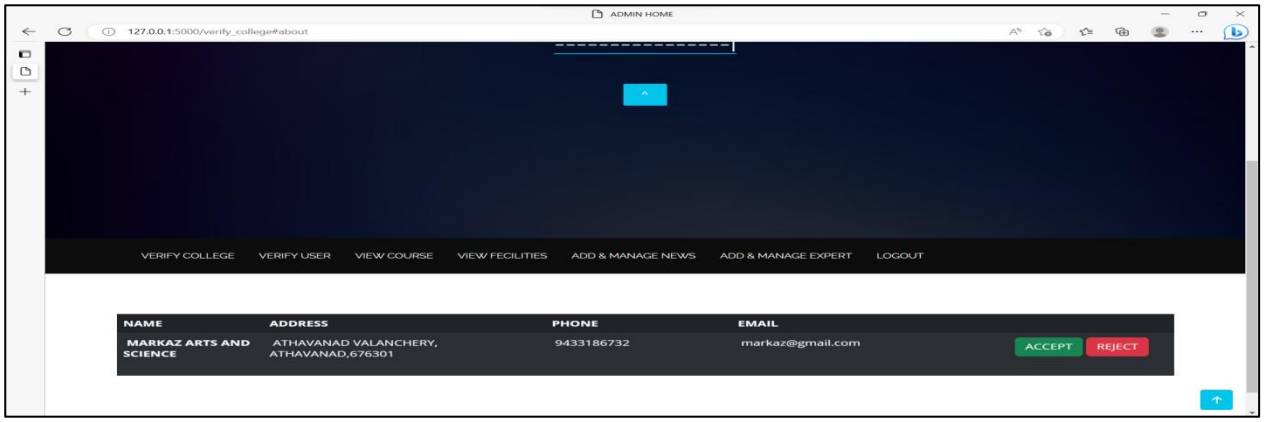
Method Implementation is the final stage and it is an important phase. The first task in implementation planning, that is deciding on methods to be adopted. After the system was implemented successfully, training of the user was one of the most important sub tasks of the developer.

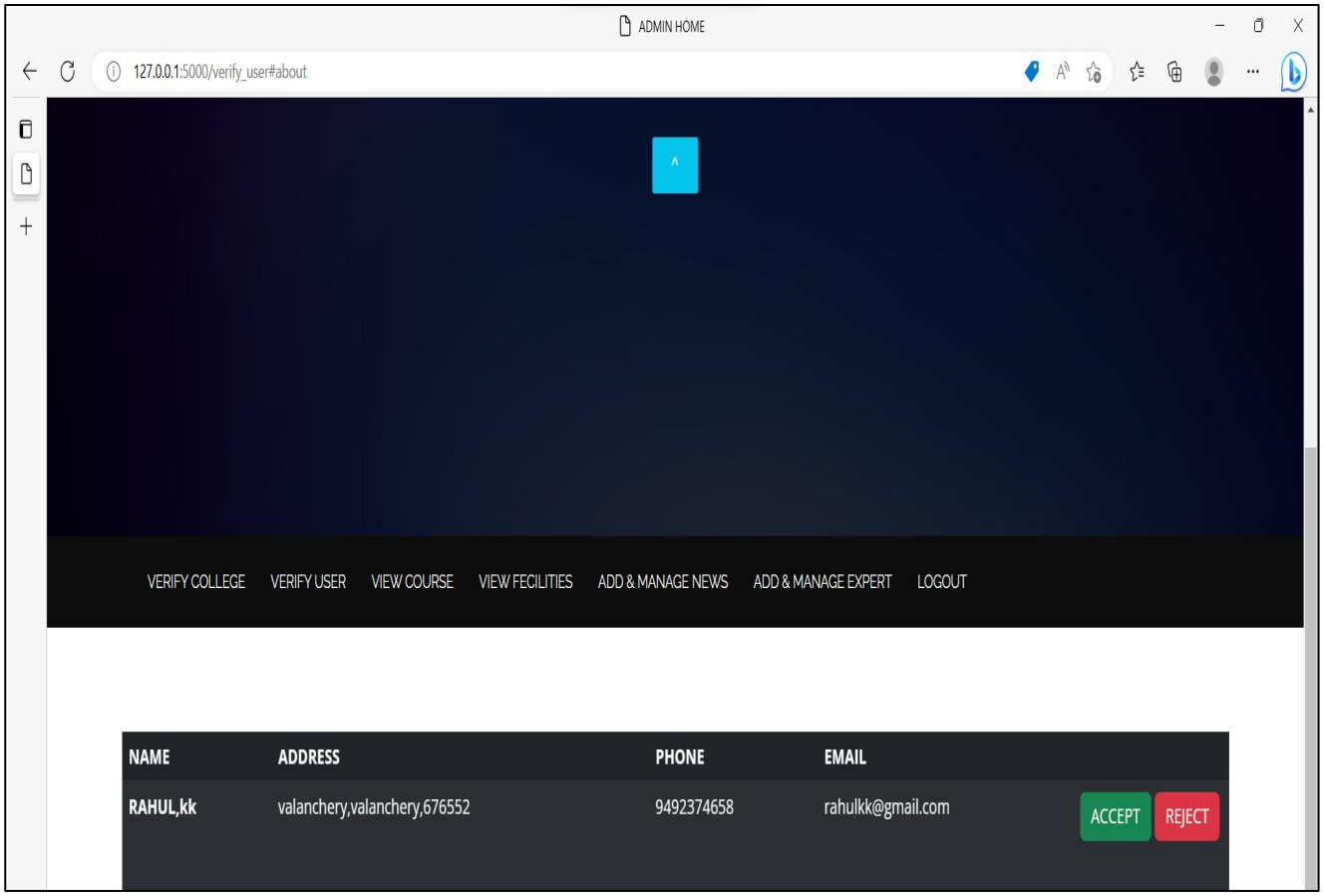
APPENDIX

WEB APPLICATION





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VERIFY USER
VIEW COURSE
VIEW FECILITIES
ADD & MANAGE NEWS
ADD & MANAGE EXPERT
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9492374658
rahulkk@gmail.com
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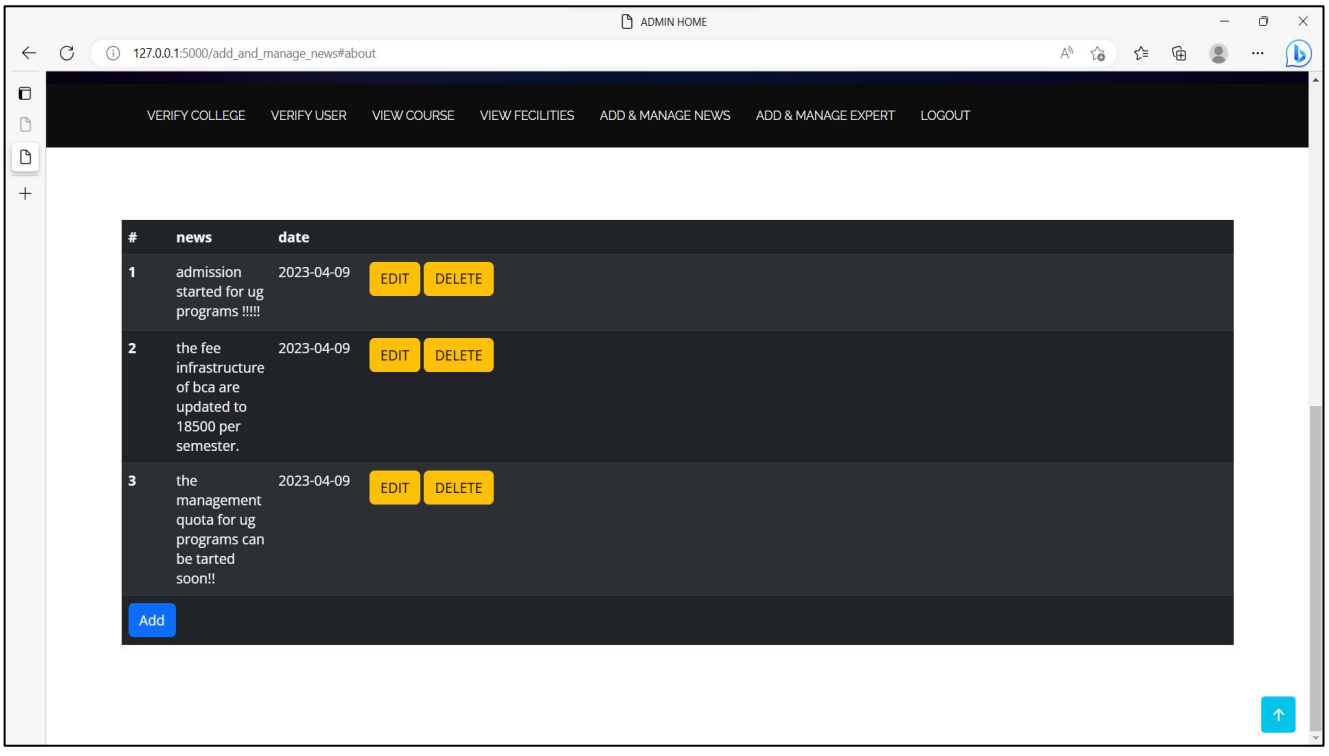
REJECT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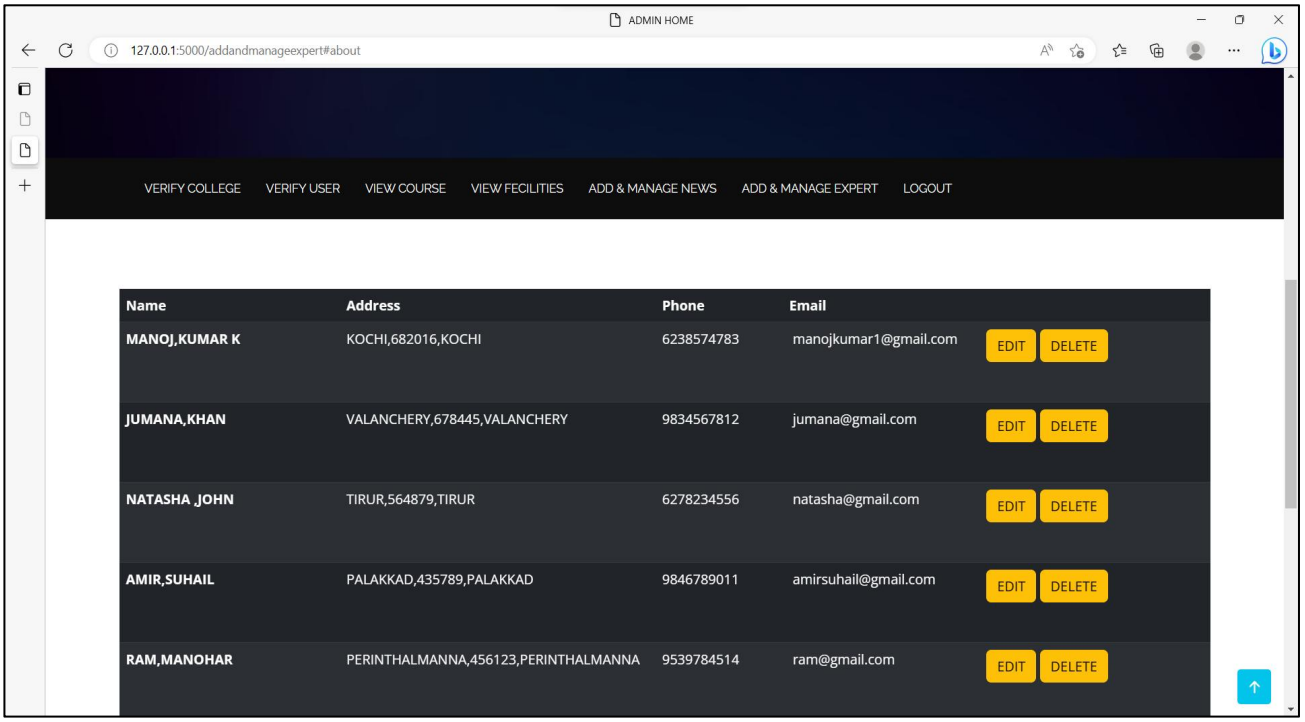
VERIFY USER
VIEW COURSE
VIEW FECILITIES
ADD & MANAGE NEWS
ADD & MANAGE EXPERT
LOGOUT
#
news
date
1
admission started for ug programs !!!!!
2023-04-09
EDIT
DELETE
2
the fee infrastructure of bca are updated to 18500 per semester.
2023-04-09
EDIT
DELETE
3
the management quota for ug programs can be tarted soon!!
2023-04-09
EDIT
DELETE
Add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VERIFY COLLEGE
VERIFY USER
VIEW COURSE
VIEW FECILITIES
ADD & MANAGE NEWS
ADD & MANAGE EXPERT
LOGOUT
Name
Address
Phone
Email
MANOJ,KUMAR K
KOCHI,682016,KOCHI
6238574783
manojkumar1@gmail.com
EDIT
DELETE
JUMANA,KHAN
VALANCHERY,678445,VALANCHERY
9834567812
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EDIT
DELETE
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TIRUR,564879,TIRUR
6278234556
natasha@gmail.com
EDIT
DELETE
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PALAKKAD,435789,PALAKKAD
9846789011
amirsuhail@gmail.com
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DELETE
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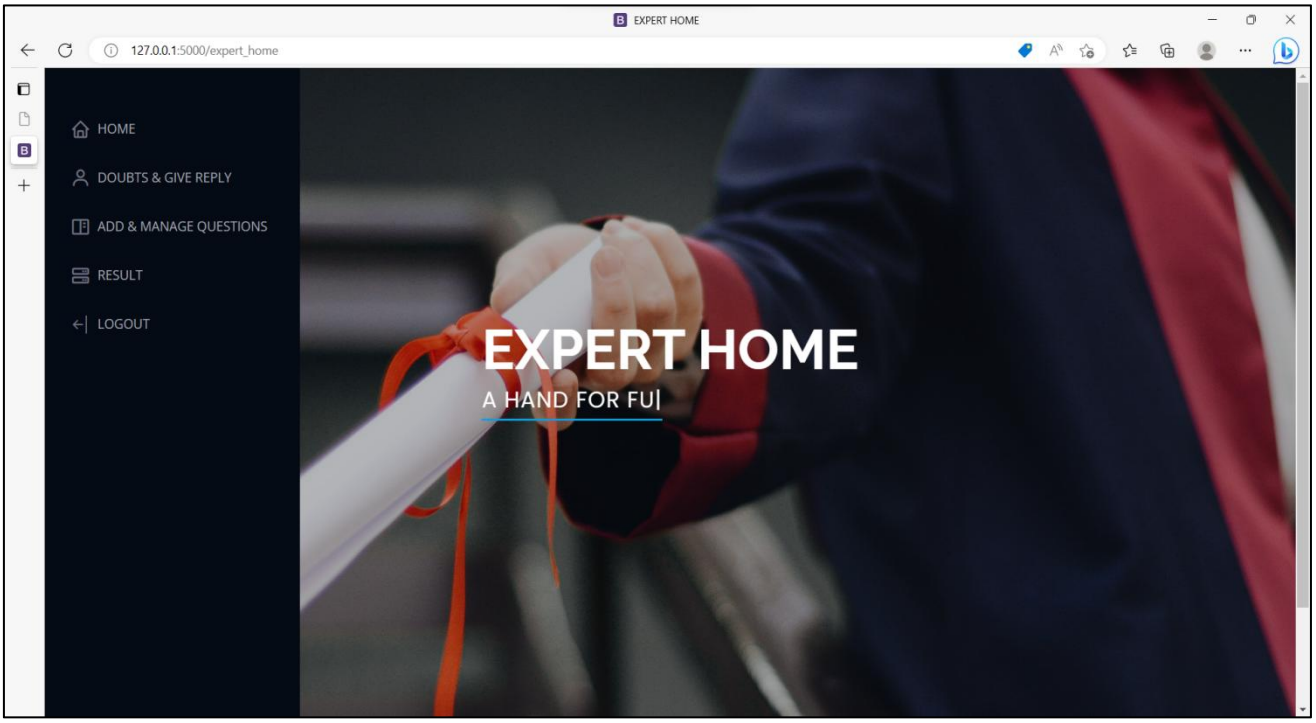
ram@gmail.com
EDIT
DELETE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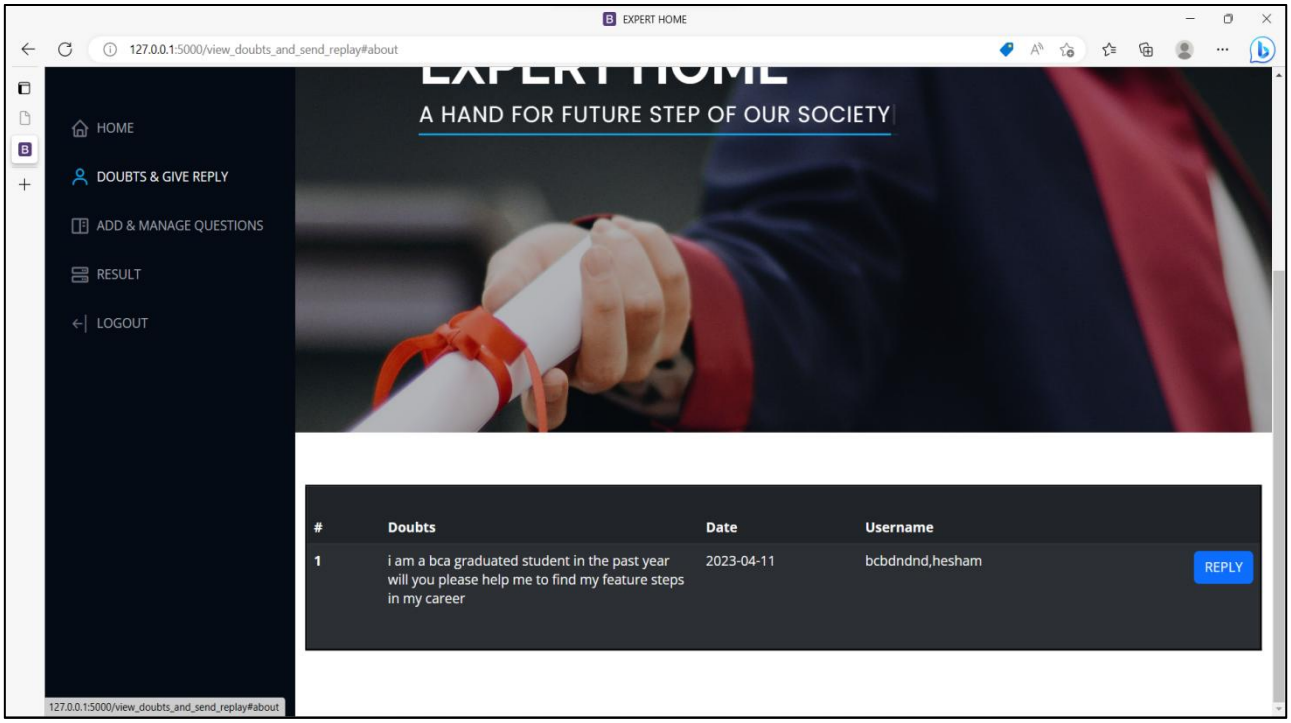
DOUBTS & GIVE REPLY
ADD & MANAGE QUESTIONS
RESULT
LOGOUT
EXPERT HOME
A HAND FOR FU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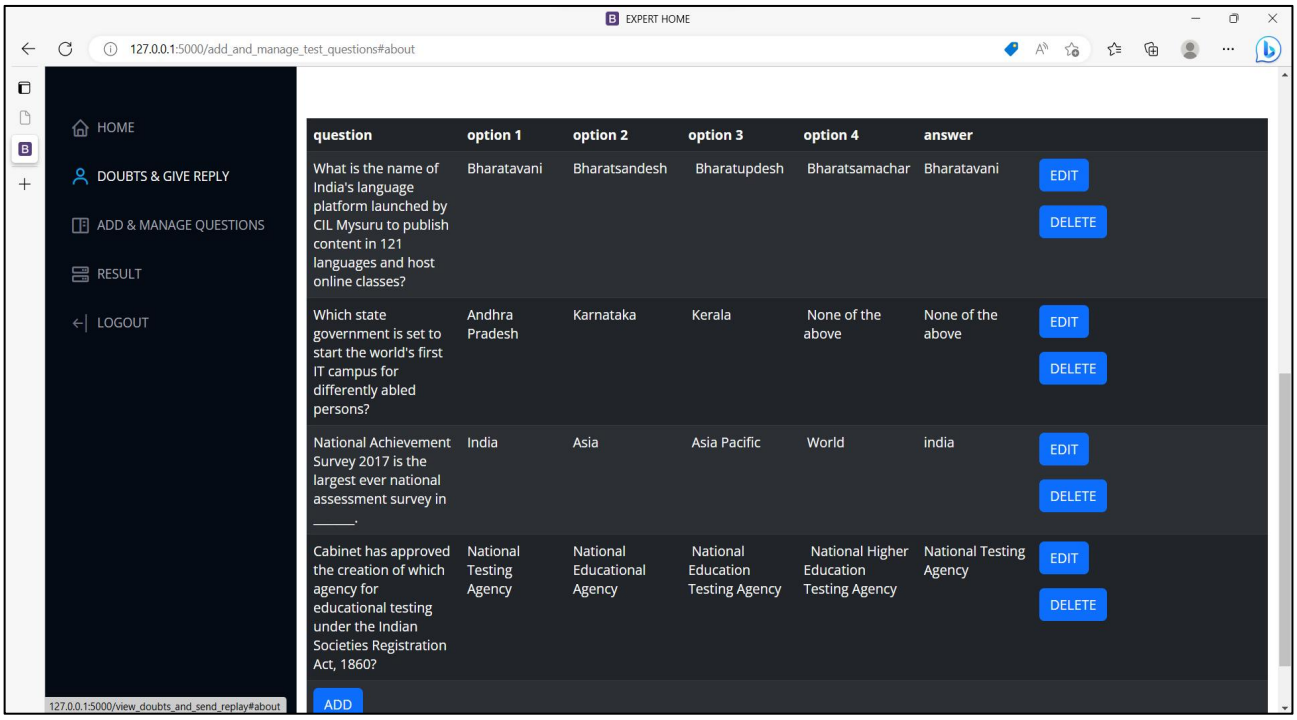
HOME
DOUBTS & GIVE REPLY
ADD & MANAGE QUESTIONS
RESULT
LOGOUT
A HAND FOR FUTURE STEP OF OUR SOCIETY
Doubts Date Username
1 i am a bca graduated student in the past year will you please help me to find my feature steps in my career 2023-04-11 bcbdndnd,hesham REPLY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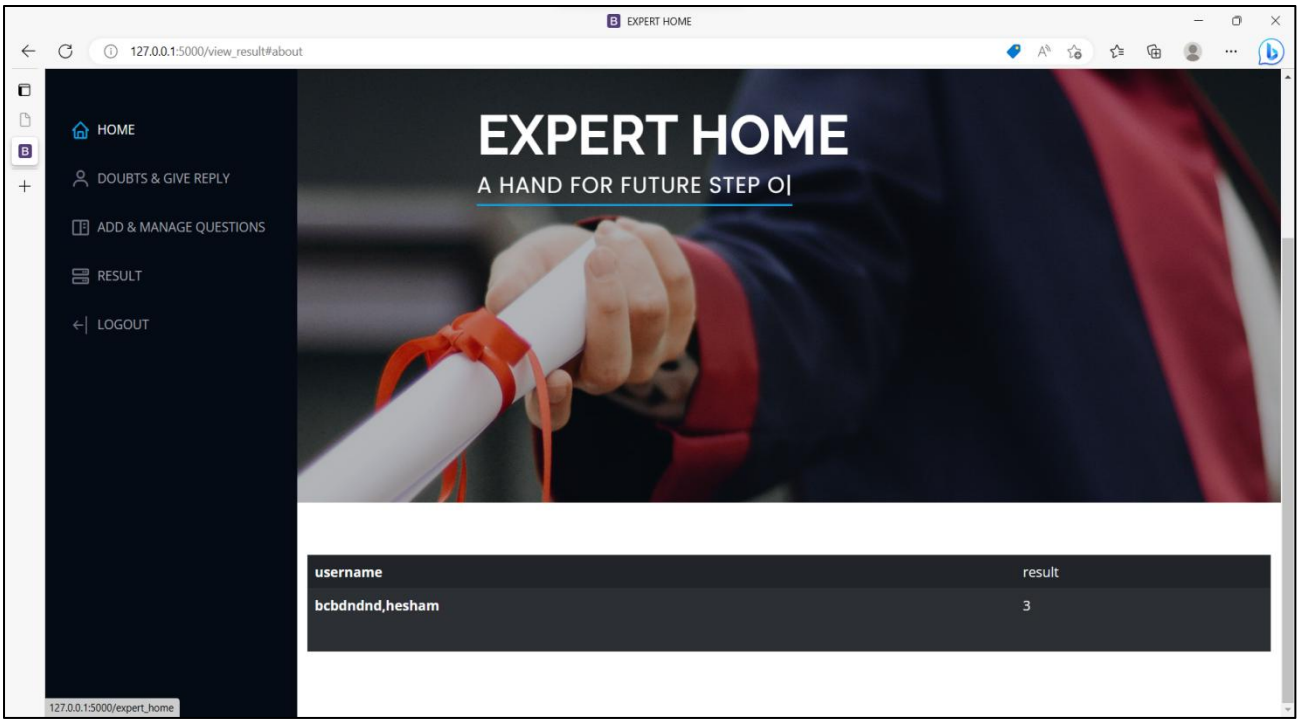
HOME
DOUBTS & GIVE REPLY
ADD & MANAGE QUESTIONS
RESULT
LOGOUT
question option 1 option 2 option 3 option 4 answer
What is the name of India's language platform launched by CIL Mysuru to publish content in 121 languages and host online classes? Bharatavani Bharatsandesh Bharatupdesh Bharatsamachar Bharatavani EDIT DELETE
Which state government is set to start the world's first IT campus for differently abled persons? Andhra Pradesh Karnataka Kerala None of the above None of the above EDIT DELETE
National Achievement Survey 2017 is the largest ever national assessment survey in _____. India Asia Asia Pacific World india EDIT DELETE
Cabinet has approved the creation of which agency for educational testing under the Indian Societies Registration Act, 1860? National Testing Agency National Educational Agency National Education Testing Agency National Higher Education Testing Agency National Testing Agency EDIT DELETE
ADD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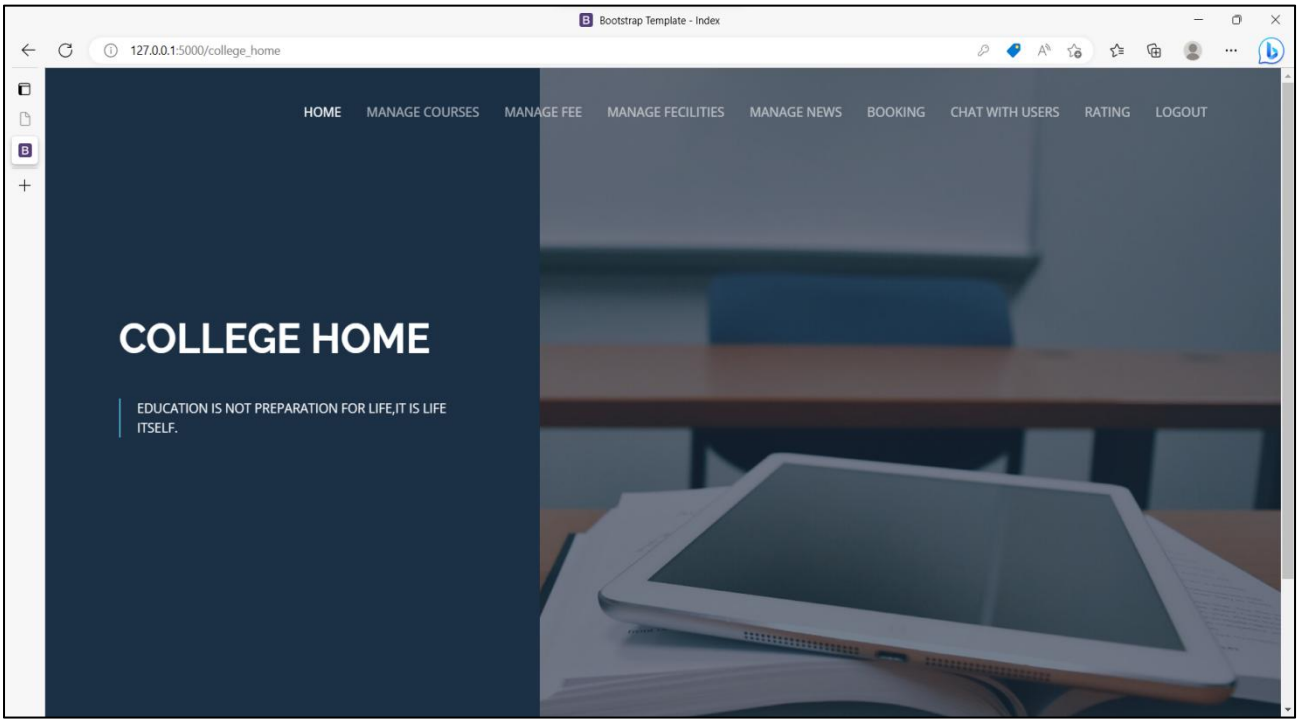
HOME
DOUBTS & GIVE REPLY
ADD & MANAGE QUESTIONS
RESULT
LOGOUT
EXPERT HOME
A HAND FOR FUTURE STEP O
username
result
bcbdndnd,hesham
3
127.0.0.1:5000/expert_home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HOME
MANAGE COURSES
MANAGE FEE
MANAGE FECILITIES
MANAGE NEWS
BOOKING
CHAT WITH USERS
RATING
LOGOUT
COLLEGE HOME
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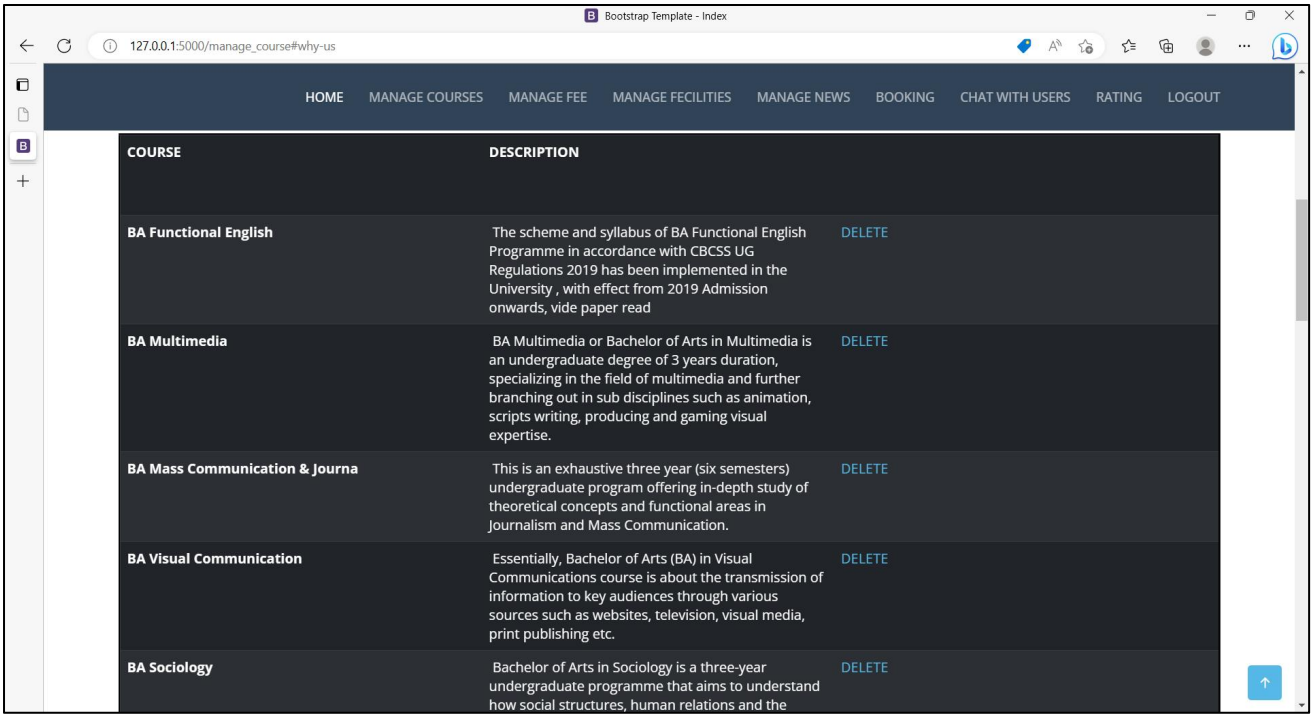
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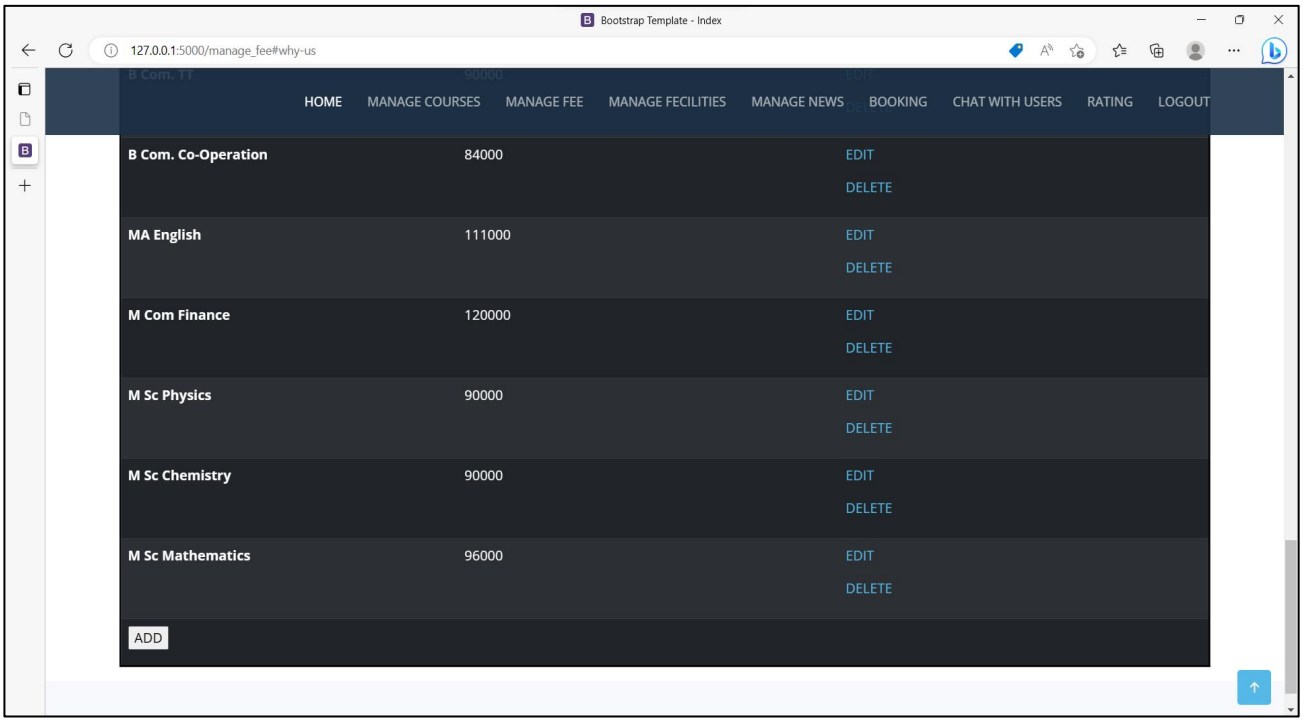
MANAGE FEE
MANAGE FECILITIES
MANAGE NEWS
BOOKING
CHAT WITH USERS
RATING
LOGOUT
COURSE
DESCRIPTION
BA Functional English
The scheme and syllabus of BA Functional English Programme in accordance with CBCSS UG Regulations 2019 has been implemented in the University , with effect from 2019 Admission onwards, vide paper read
DELETE
BA Multimedia
BA Multimedia or Bachelor of Arts in Multimedia is an undergraduate degree of 3 years duration, specializing in the field of multimedia and further branching out in sub disciplines such as animation, scripts writing, producing and gaming visual expertise.
DELETE
BA Mass Communication & Journa
This is an exhaustive three year (six semesters) undergraduate program offering in-depth study of theoretical concepts and functional areas in Journalism and Mass Communication.
DELETE
BA Visual Communication
Essentially, Bachelor of Arts (BA) in Visual Communications course is about the transmission of information to key audiences through various sources such as websites, television, visual media, print publishing etc.
DELETE
BA Sociology
Bachelor of Arts in Sociology is a three-year undergraduate programme that aims to understand how social structures, human relations and the
DELETE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MANAGE COURSES
MANAGE FEE
MANAGE FECILITIES
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BOOKING
CHAT WITH USERS
RATING
LOGOUT
B Com. Co-Operation
84000
EDIT
DELETE
MA English
111000
EDIT
DELETE
M Com Finance
120000
EDIT
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M Sc Physics
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M Sc Chemistry
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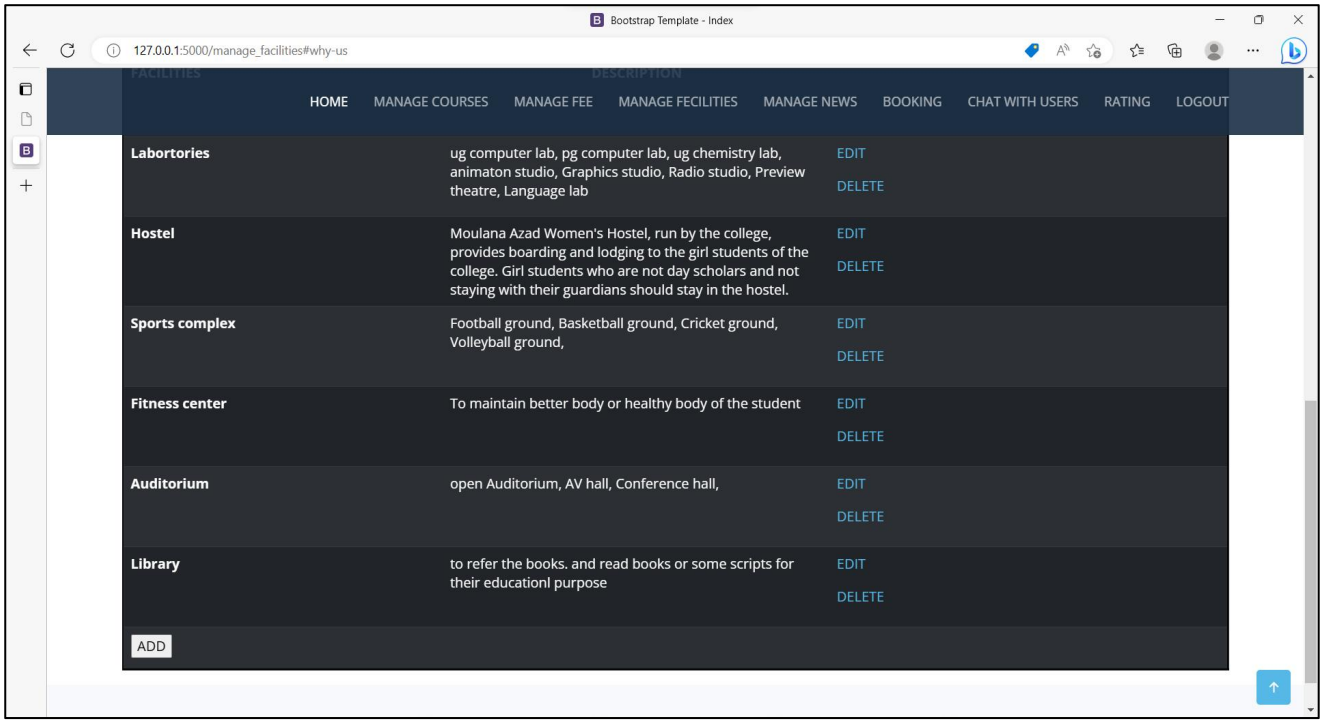
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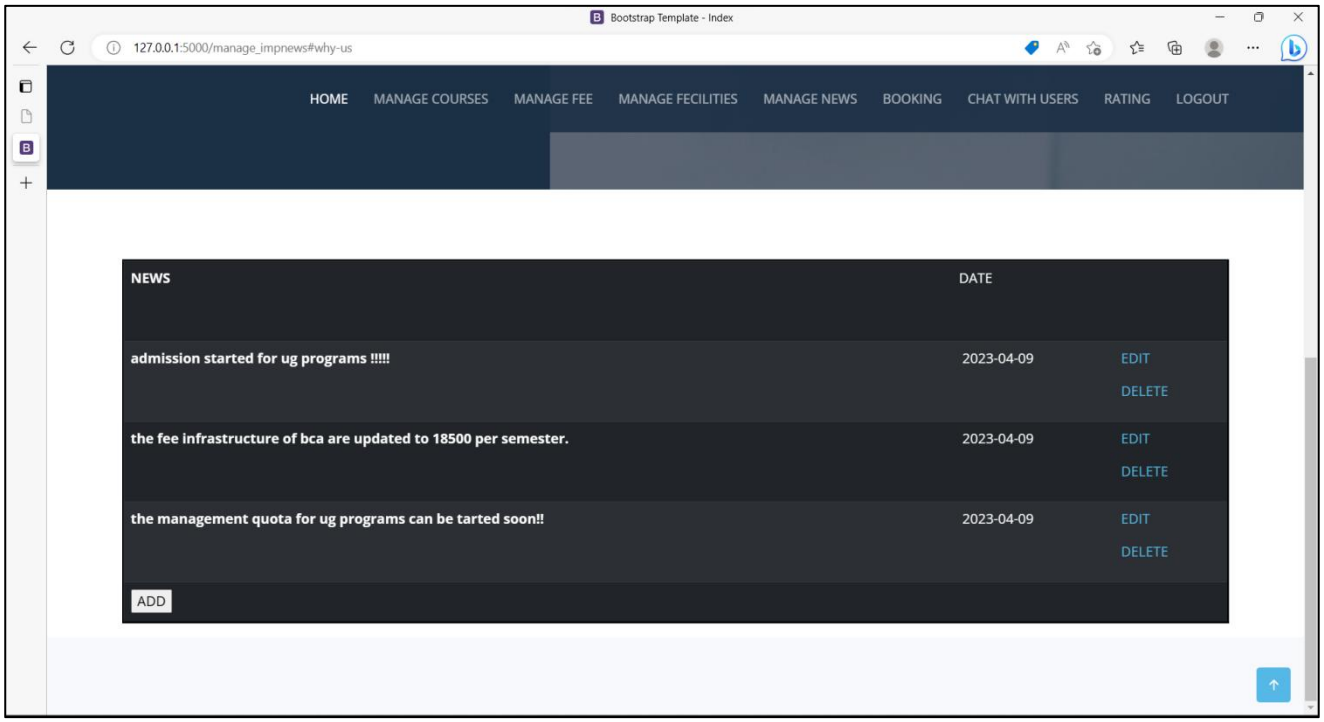
MANAGE COURSES
MANAGE FEE
MANAGE FECILITIES
MANAGE NEWS
BOOKING
CHAT WITH USERS
RATING
LOGOUT
Labortories
ug computer lab, pg computer lab, ug chemistry lab, animaton studio, Graphics studio, Radio studio, Preview theatre, Language lab
EDIT
DELETE
Hostel
Moulana Azad Women's Hostel, run by the college, provides boarding and lodging to the girl students of the college. Girl students who are not day scholars and not staying with their guardians should stay in the hostel.
EDIT
DELETE
Sports complex
Football ground, Basketball ground, Cricket ground, Volleyball ground,
EDIT
DELETE
Fitness center
To maintain better body or healthy body of the student
EDIT
DELETE
Auditorium
open Auditorium, AV hall, Conference hall,
EDIT
DELETE
Library
to refer the books. and read books or some scripts for their educationl purpose
EDIT
DELETE
ADD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MANAGE FEE
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BOOKING
CHAT WITH USERS
RATING
LOGOUT
NEWS
DATE
admission started for ug programs !!!!!
2023-04-09
EDIT
DELETE
the fee infrastructure of bca are updated to 18500 per semester.
2023-04-09
EDIT
DELETE
the management quota for ug programs can be tarted soon!!
2023-04-09
EDIT
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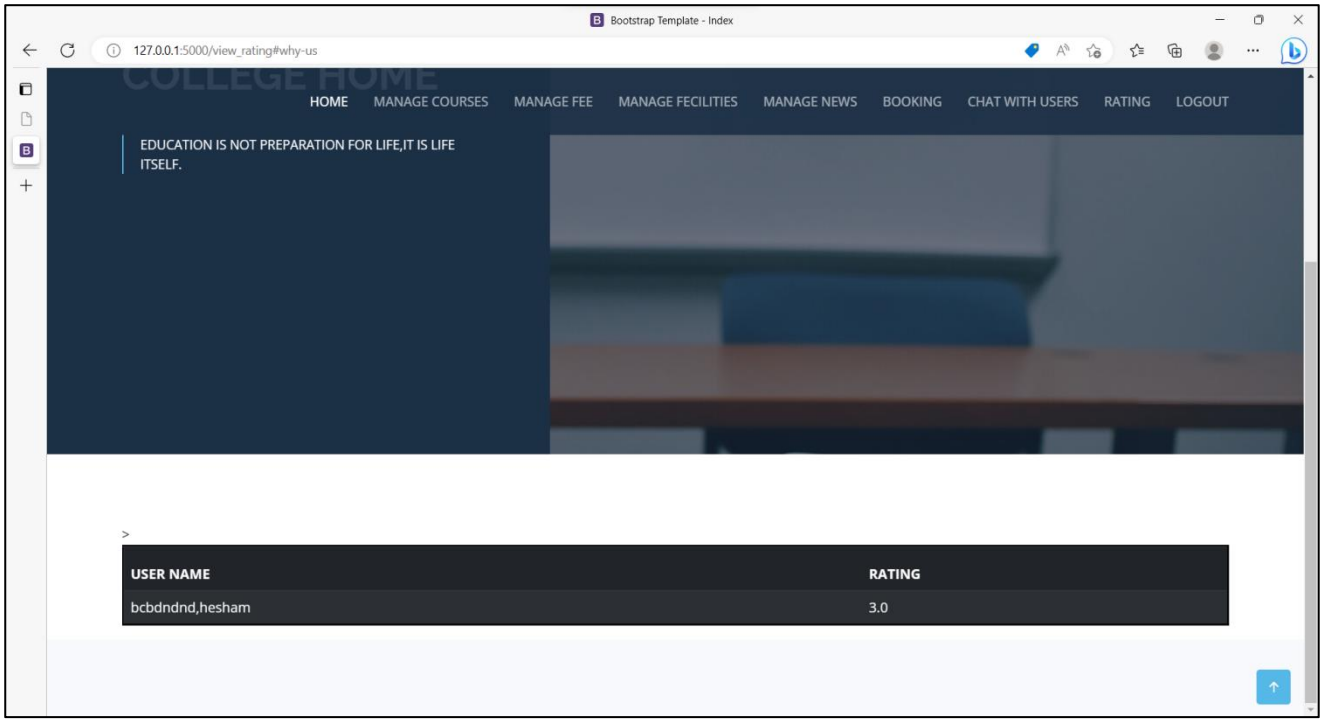
ADD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EDUCATION IS NOT PREPARATION FOR LIFE,IT IS LIFE ITSELF.
USER NAME
RATING
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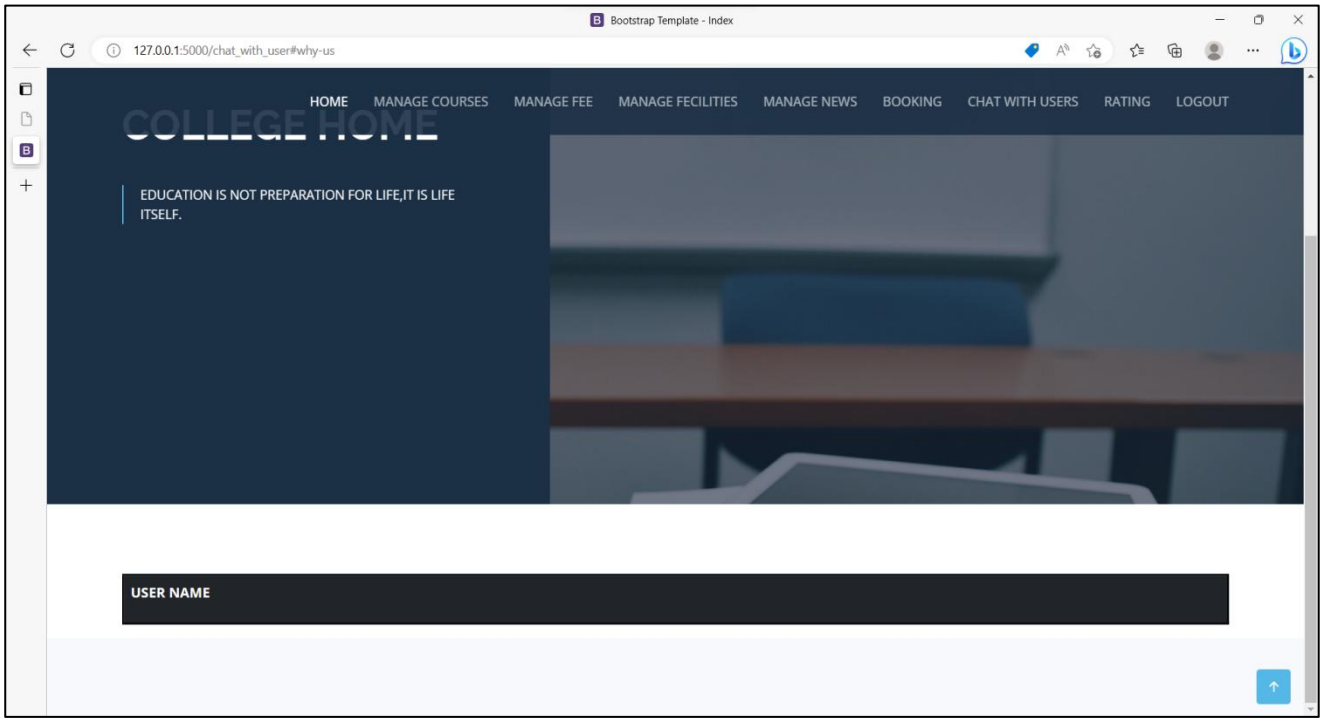
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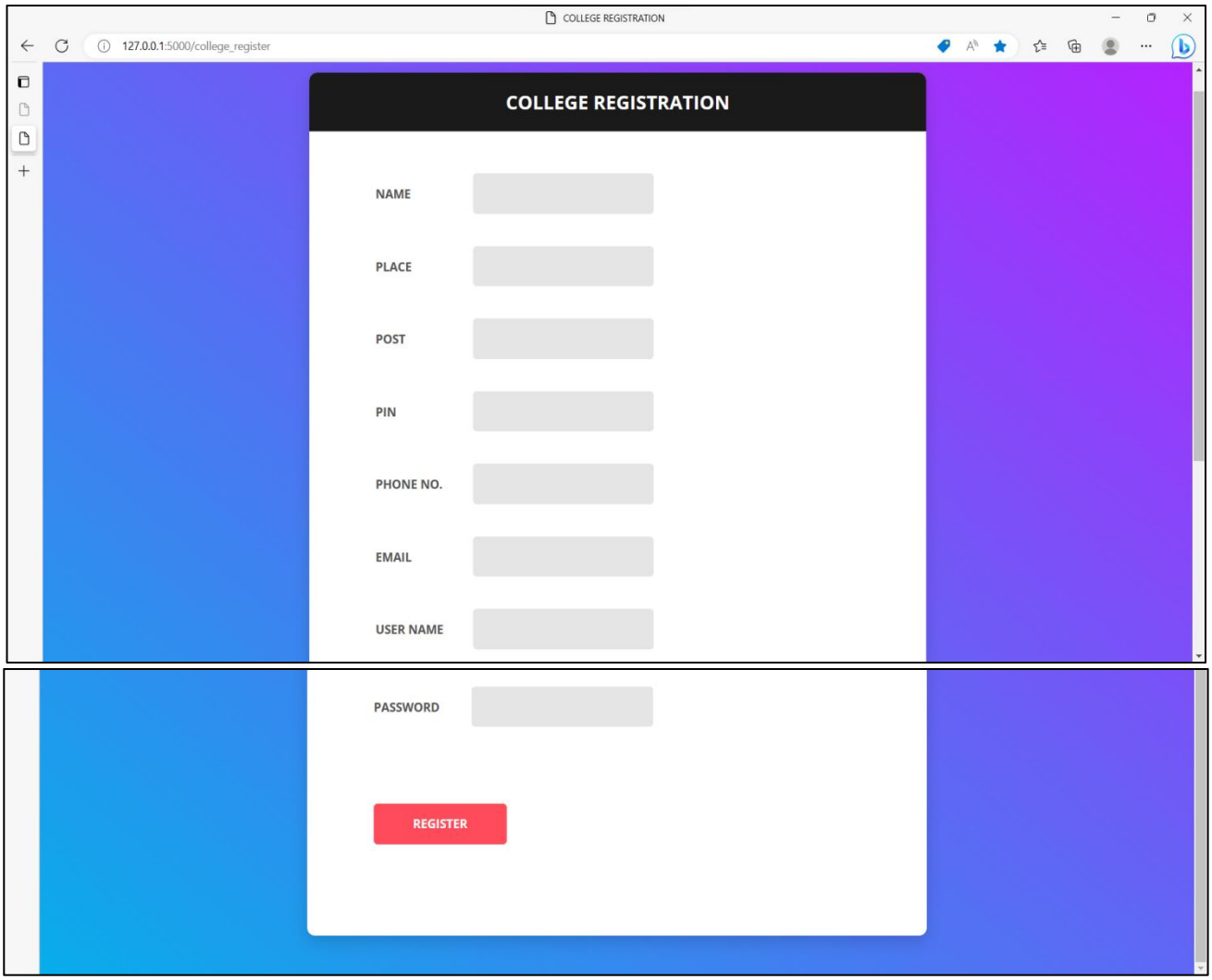
MANAGE COURSES
MANAGE FEE
MANAGE FECILITIES
MANAGE NEWS
BOOKING
CHAT WITH USERS
RATING
LOGOUT
EDUCATION IS NOT PREPARATION FOR LIFE,IT IS LIFE ITSELF.
USER NAME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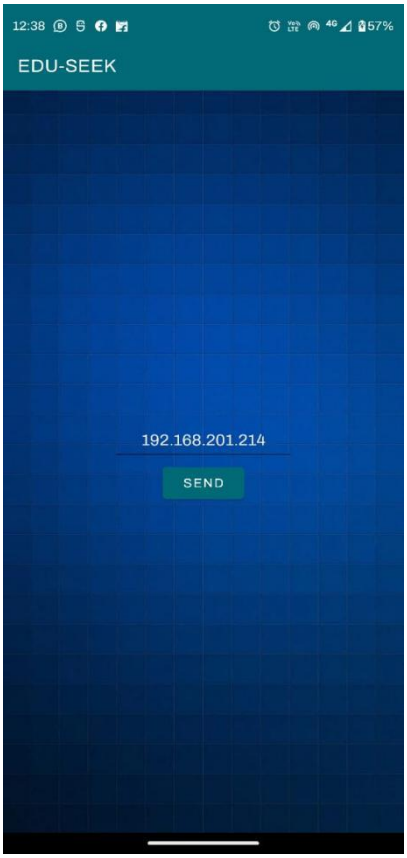
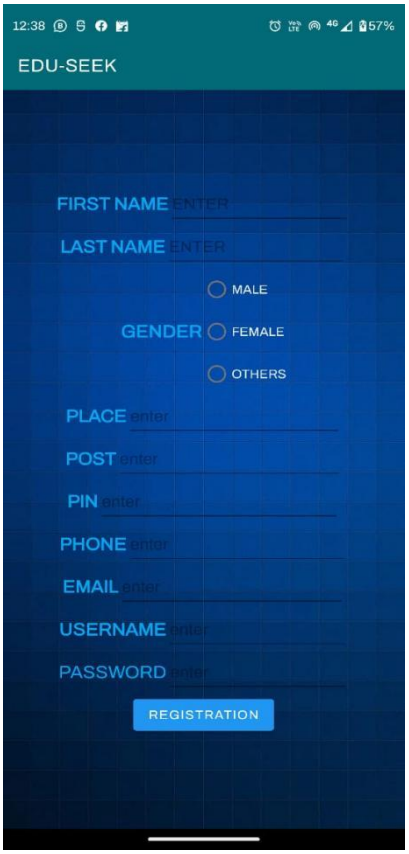
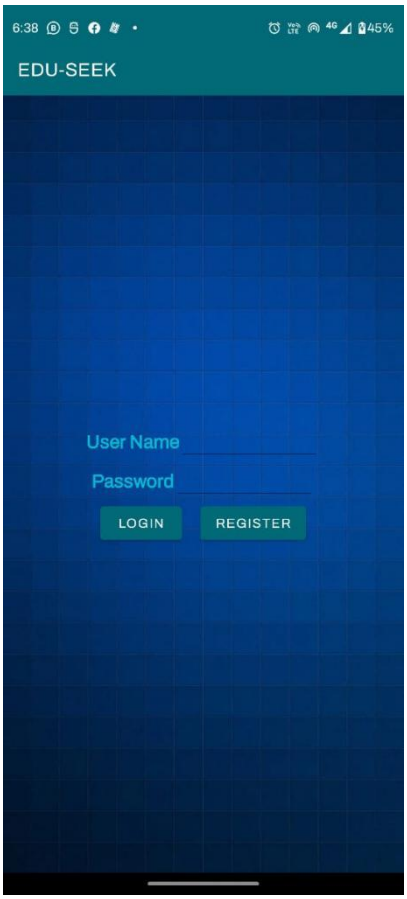
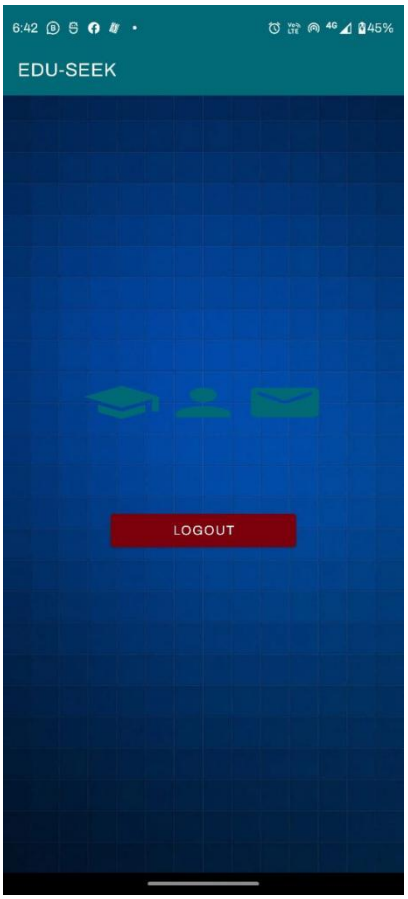
COLLEGE REGISTRATION
NAME
PLACE
POST
PIN
PHONE NO.
EMAIL
USER NAME
PASSWORD
REGISTER

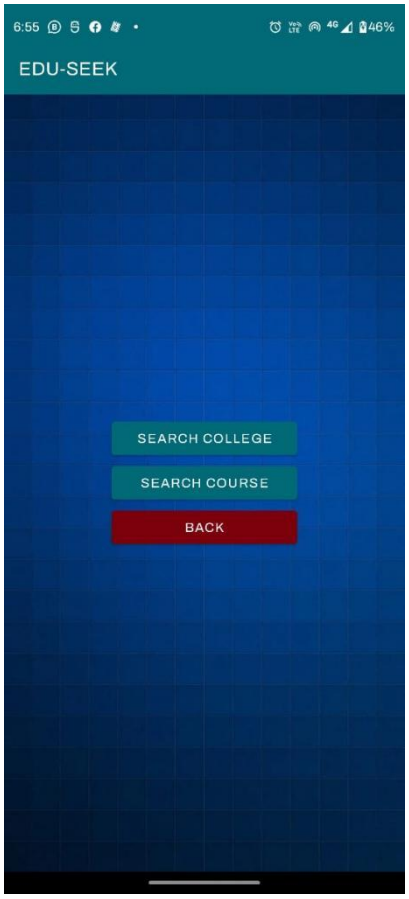
ANDROID APPLICATION







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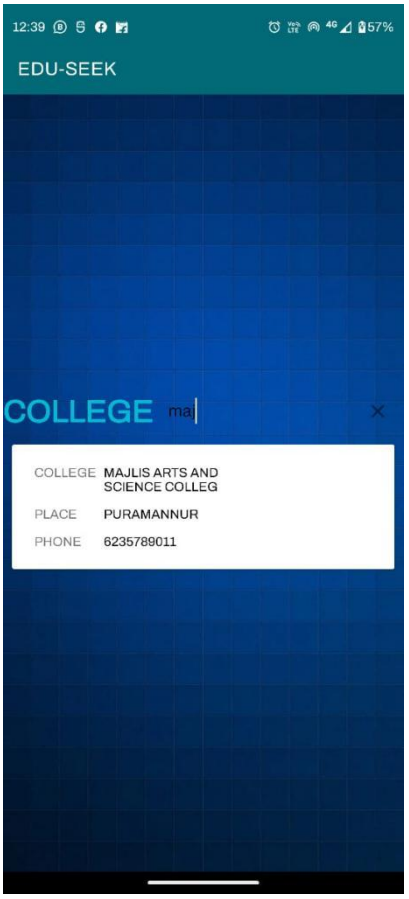
SEARCH COURSE
BACK


EDU-SEEK
COLLEGE ma
COLLEGE MAJLIS ARTS AND SCIENCE COLLEG
PLACE PURAMANNUR
PHONE 6235789011


EDU-SEEK
COURSE bb
COLLEGE MAJLIS ARTS AND SCIENCE COLLEG
PLACE PURAMANNUR
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PLACE PERITHALMANNA PONNIAKURISSI
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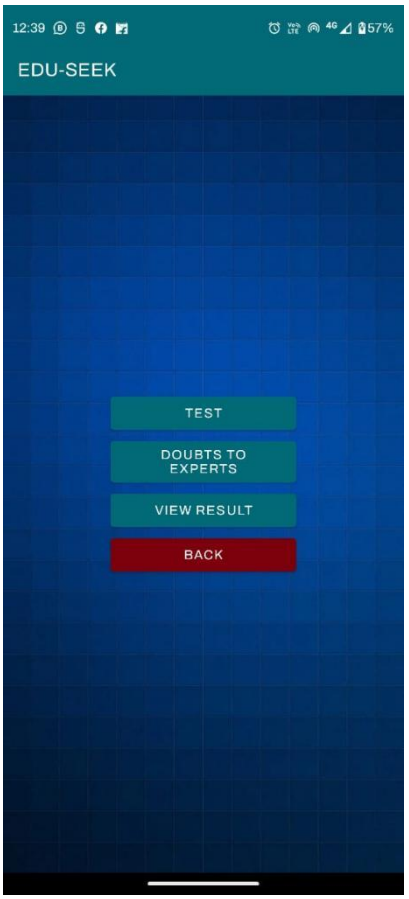
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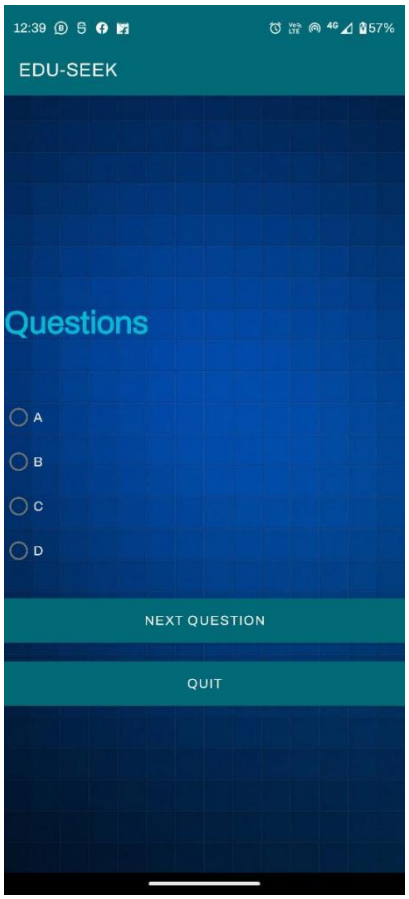
VIEW RESULT
BACK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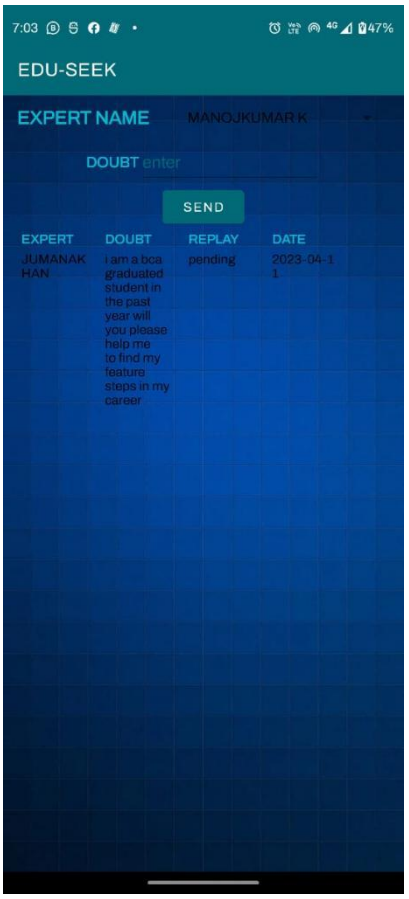
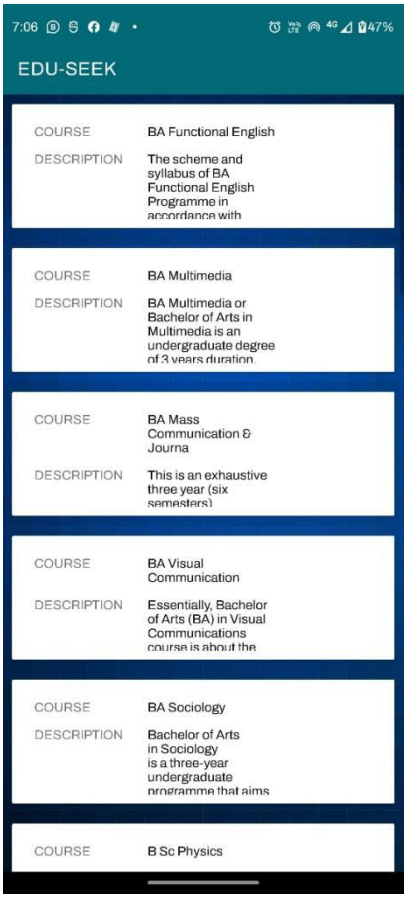
Questions
A
B
C
D
NEXT QUESTION
QUIT


7:03
47%
EDU-SEEK
EXPERT NAME
MANOJKUMAR K
DOUBT enter
SEND
EXPERT
DOUBT
REPLAY
DATE
JUMANAKHAN
i am a bca graduated student in the past year will you please help me to find my feature steps in my career
pending
2023-04-11


6:33
45%
EDU-SEEK
News By MAJLIS COLLEGE
News admission started for ug programs !!!!!
Date 2023-04-09
News By MAJLIS COLLEGE
News the fee infrastructure of bca are updated to 18500 per semester.
Date 2023-04-09
News By MAJLIS COLLEGE
News the management quota for ug programs can be tarted soon!!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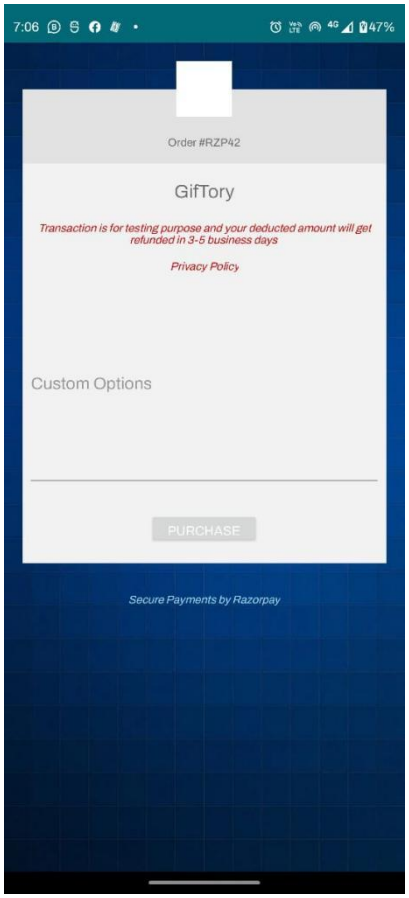
EDU-SEEK
COURSE BA Functional English
DESCRIPTION The scheme and syllabus of BA Functional English Programme in accordance with
COURSE BA Multimedia
DESCRIPTION BA Multimedia or Bachelor of Arts in Multimedia is an undergraduate degree of 3 years duration.
COURSE BA Mass Communication & Journa
DESCRIPTION This is an exhaustive three year (six semesters)
COURSE BA Visual Communication
DESCRIPTION Essentially, Bachelor of Arts (BA) in Visual Communications course is about the
COURSE BA Sociology
DESCRIPTION Bachelor of Arts in Sociology is a three-year undergraduate programme that aims
COURSE B Sc Physics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Order #RZP42
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Transaction is for testing purpose and your deducted amount will get refunded in 3-5 business days
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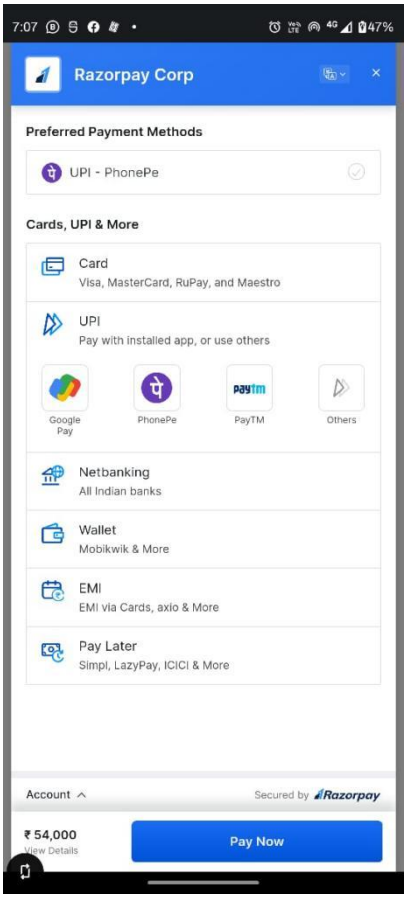
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Card
Visa, MasterCard, RuPay, and Maestro
UPI
Pay with installed app, or use others
Google Pay
PhonePe
PayTM
Others
Netbanking
All Indian banks
Wallet
Mobikwik & More
EMI
EMI via Cards, axio & More
Pay Later
Simpl, LazyPay, ICICI & More
Account
Secured by Razorpay
₹ 54,000
View Details
Pay Now


7:11
48%
Me: 07:11:34
hi
Me: 07:11:34
my name is rahul

FUTURE ENHANCEMENT

The use of technology in the application has already made it easier for students to apply to colleges and explore their options. However, there are several potential future enhancements that could further improve the college application process.

1. SUBSCRIPTION TO COLLEGES:- Provide subscription for colleges as paid. To generate a revenue through this system.
2. USE OF VIRTUAL REALITY (VR) AND AUGMENTED REALITY (AR) :-Another potential enhancement is the use of virtual reality (VR) and augmented reality (AR) to provide students with immersive experiences of college campuses and classrooms. This would allow students to get a more realistic sense of what it would be like to attend a particular college and make a more informed decision about where to apply.
3. USER INTERFACE MORE BEAUTY IN DESIGN
4. RANKING THE COLLEGES :-Ranking colleges under the basis of their activities ,facilities, and user review to a college.

CONCLUSION

Use of this application for student admission and college inquiries has revolutionized the college application process. These app has made it easier for students to search for colleges, find suitable colleges as per their interested courses ,and facilities , and book their slot for the admission from anywhere in the world. The app introducing multiple colleges, students have a wider range of options to choose from, allowing them to make more informed decisions about their education.

Colleges also have advantages by the app.they can focus on admission or admission applications that comes beyond geographical boundaries.The application also provides an suitable carrier guidance under skilled carrier experts. They can find latest news's and updates by the colleges and generally know about the entrance exams, and other general information through the news section. Overall by using this app wisely, students can improve their chances of finding the right college and setting themselves up for a successful future.

BIBLIOGRAPHY

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- https://stackoverflow.com/
- https://github.com/