PATHSHALA

(Online Notes Sharing)

UCS 542 - UI & UX Specialist Project Report

MID SEMESTER EVALUATION

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ABSTRACT: -

Students often face problem while collecting notes and it interrupts their learning process. Our application will provide a platform for the students where they can come together for collaborative learning. Students can share their notes/materials (both handwritten and in document - PPT, PDF, DOC, etc. format) which students from any branch or semester can access for free. In our platform users can upload their notes giving a short description and some keywords related to the subject, branch and semester. Other users can search the notes using those keywords which will provide them filtered results. Each user will have an account through they will access the application. The platform is planned to be a LEARN | SHARE | EDUCATE platform which aims to increase effectiveness and conceptual clarity of students.

DECLARATION: -

We hereby declare that the design principles and working prototype model of the project entitled **PATHSHALA (Online Notes Sharing)** is an authentic record of our own work carried out in the Computer Science and Engineering Department, TIET, Patiala, during 5th semester (2022).

Date: 18 Sept,2022

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LIST OF TABLES: -

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2. User
3. Notes

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1.Block Diagram
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LIST OF ABBREVIATIONS:-

1. HTML (Hyper Text Markup Language)
2. CSS (Cascading Style Sheet)
3. UML (Unified Modelling Language)

1. Introduction: -

1.1 Project Overview:-

In the project *Pathsala (Online Notes Sharing)* project, if any user as to upload any multimedia notes, he can do so by registering himself in the registration link. The entire system described here is totally computerized which negates all the drawbacks of the previous system. The design process, a blue print is provided for the implementation, testing and maintenance is provided. After the software is implemented then it is very essential to test the software. It's basically a trial to know if the software is best. The software testing includes different kinds of testing. They are unit testing, integration testing, system testing, acceptance testing, white box testing and black box testing. Once the testing is executed, the results are compared with the expected results.

The several features that are provided by this project are that the users can upload and download the study notes. However, the users do not have authority to delete the records of the website. This authority vests only with the administrator. It is also a secure and easy to use process. Also, in recent days, there has been a lot of demand for multimedia notes.

1.2 Problem Definition and Scope:-

The project has a wide scope, as it is not intended to a particular organization. This project is going to develop generic software, which can be applied by any business's organization. Moreover, it provides facility to its users. Also, the software is going to provide a huge amount of summary data.

1.3 Assumptions and Constraints: -

Content Delivery Network (CDN) will be used for cost minimization. Larger and sensitive data will be kept at the local server for safety. It will reduce load on main site and diversify the used load on the site.

The site will have access to almost all the data available of accounting & Information Systems. The site will have C panel/Administrative panels so that faculty members and staffs can update data on the website without having understanding complex programming. This will also ensure that external help will not be necessary. A C panel is makes content upgrade as easy as posting in a social network site.

The hosting we will buy have 24/7 support. "So, in case of any emergency it doesn't take time to get help. We will purchase a domain from a supplier who has a record for better security.

2. Methodology Adopted :-

Waterfall ("traditional")

It is the simplest methodology of the software development workflow and the first Process Model which was introduced in 1970. In the Waterfall methodology, the development process looks like a stream, successively passing phases one by one. But the transition from one phase to another occurs only after the completion of the previous one, in other words, each phase must be complete before the next phase can begin.

The main disadvantage of this model - a change in one of the phases will entail the inevitable change in all subsequent ones. It means that the Waterfall model is good only for short and easy projects.

2.1 Proposed Solution: -

- The main aim of the project is to user can share notes easily in the web.
- In this System, notes uploading, searching and downloading is possible.
- User can login from any location and upload notes and download multimedia note uploaded by other users

2.2 Tools and Technology: -

- Technology: Python Django
- IDE: PyCharm/Atom
- Client-Side Technologies: HTML, CSS, JavaScript, Bootstrap
- Server-Side Technologies: Python
- Database Server: SQLite

Operating System: Microsoft Window/Linux

Hardware Requirement: -

- Processor: Pentium III or Higher
- Ram: 64MB (or) Higher
- Hard disk: 80GB (or) Higher

3. Design Specification: -

Admin Modules: -

- Manage (View/Delete) Users
- Manage (View/Delete) Notes
- Accept or Reject Notes
- Change Password

User Modules: -

- Upload Notes
- Search Notes Via stream, title, and subject
- Download Notes
- Delete and update our Notes
- Change Password

Notes: -

#	NAME	TYPE
1	id	Int(5)
2	emailid	Varchar (30)
3	uploadingdate	Varchar (30)
4	branch	Varchar (20)
5	subject	Varchar (30)
6	notesfile	longtext
7	filetype	Varchar (20)
8	description	Varchar (100)
9	status	Varchar (20)

Admin: -

#	NAME	TYPE
1	Admin name	Varchar (30)
2	password	Varchar (30)

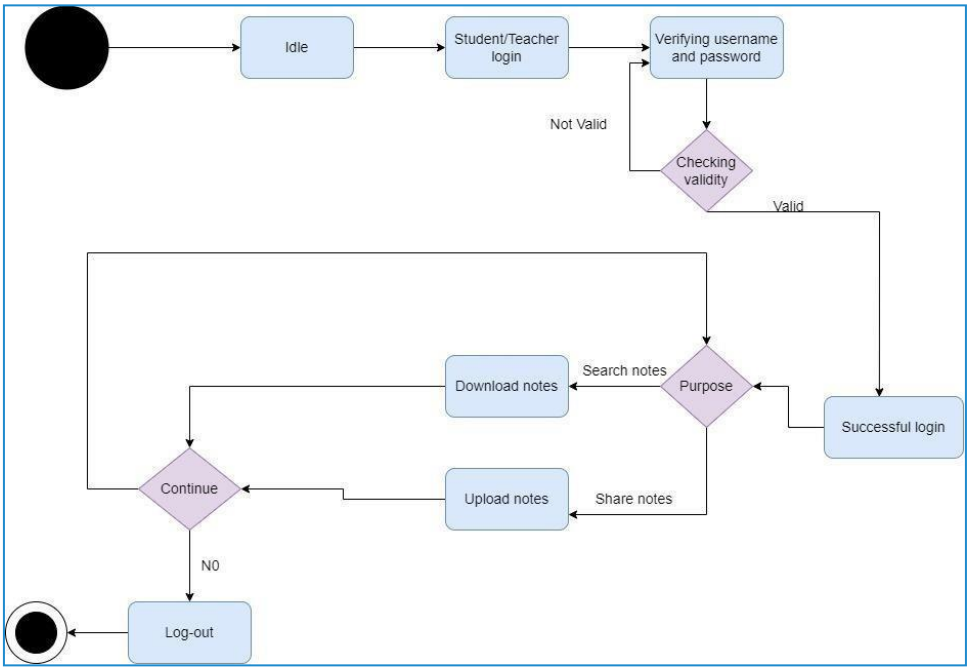
User: -

#	NAME	TYPE
1	username	Varchar (30)
2	password	Varchar (10)
3	Email id	Varchar (40)
4	contact	Varchar (10)
5	branch	Varchar (20)
6	role	Varchar (10)

4. LIST OF FIGURES: -

4.1 SYSTEM ARCHITECTURE: -

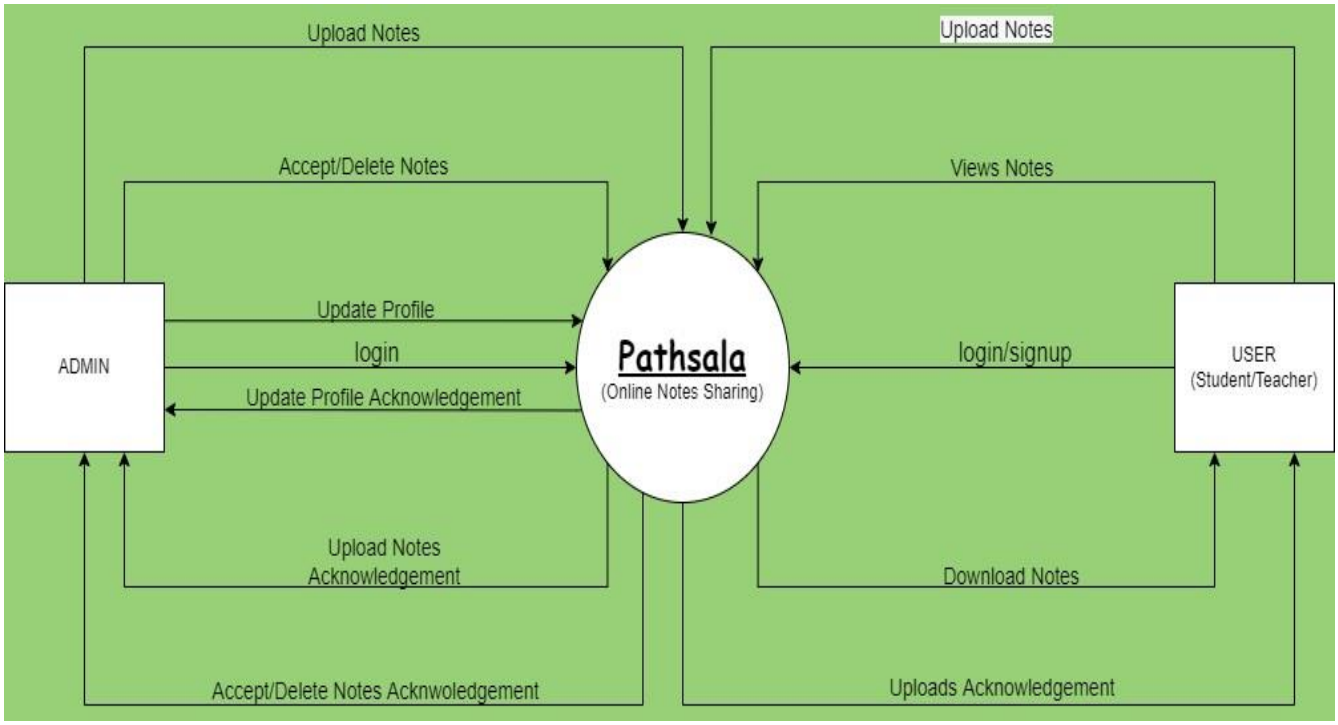
BLOCK DIAGRAM: -



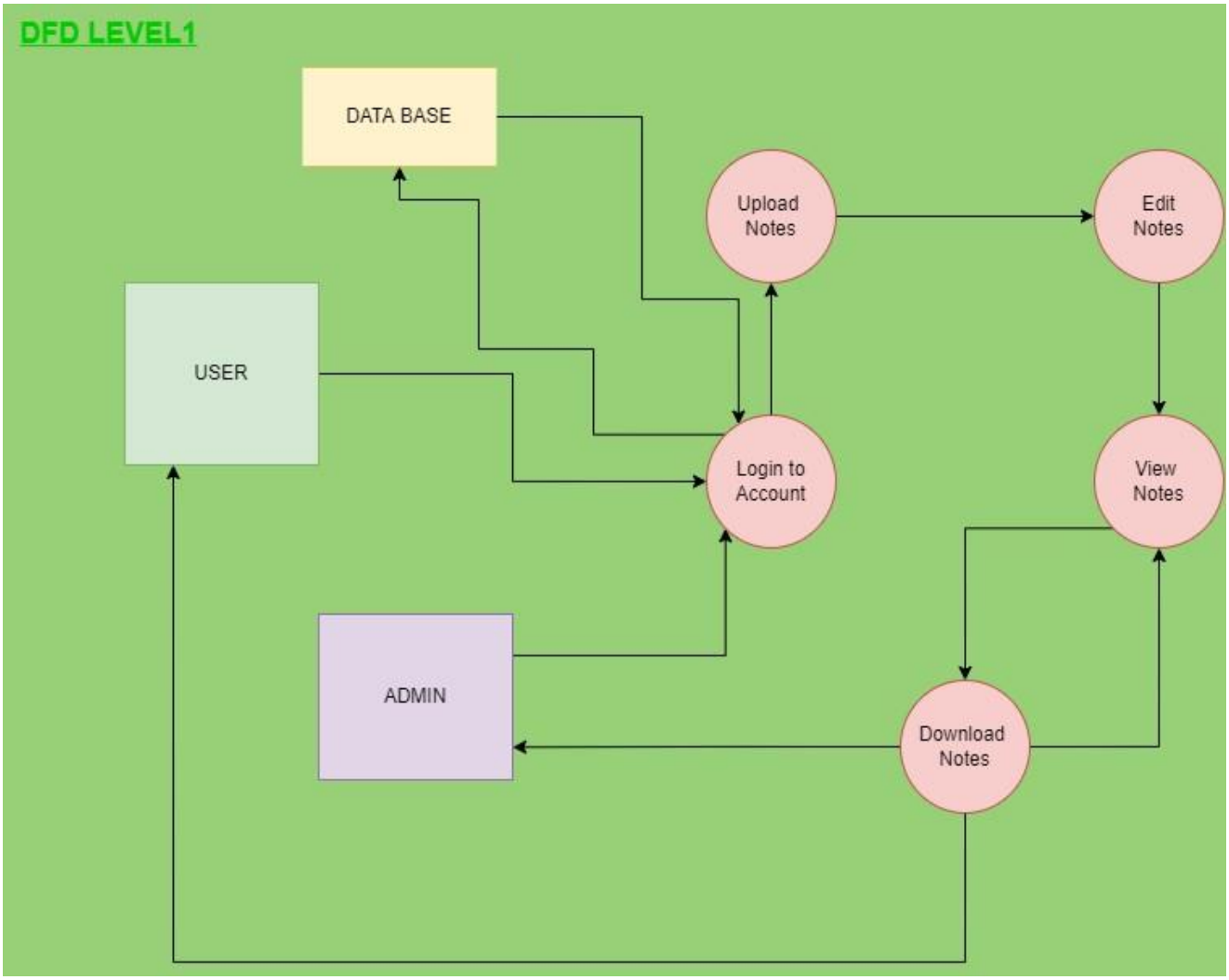
4.2 DESIGN LEVEL DIAGRAM: -

DFD: -

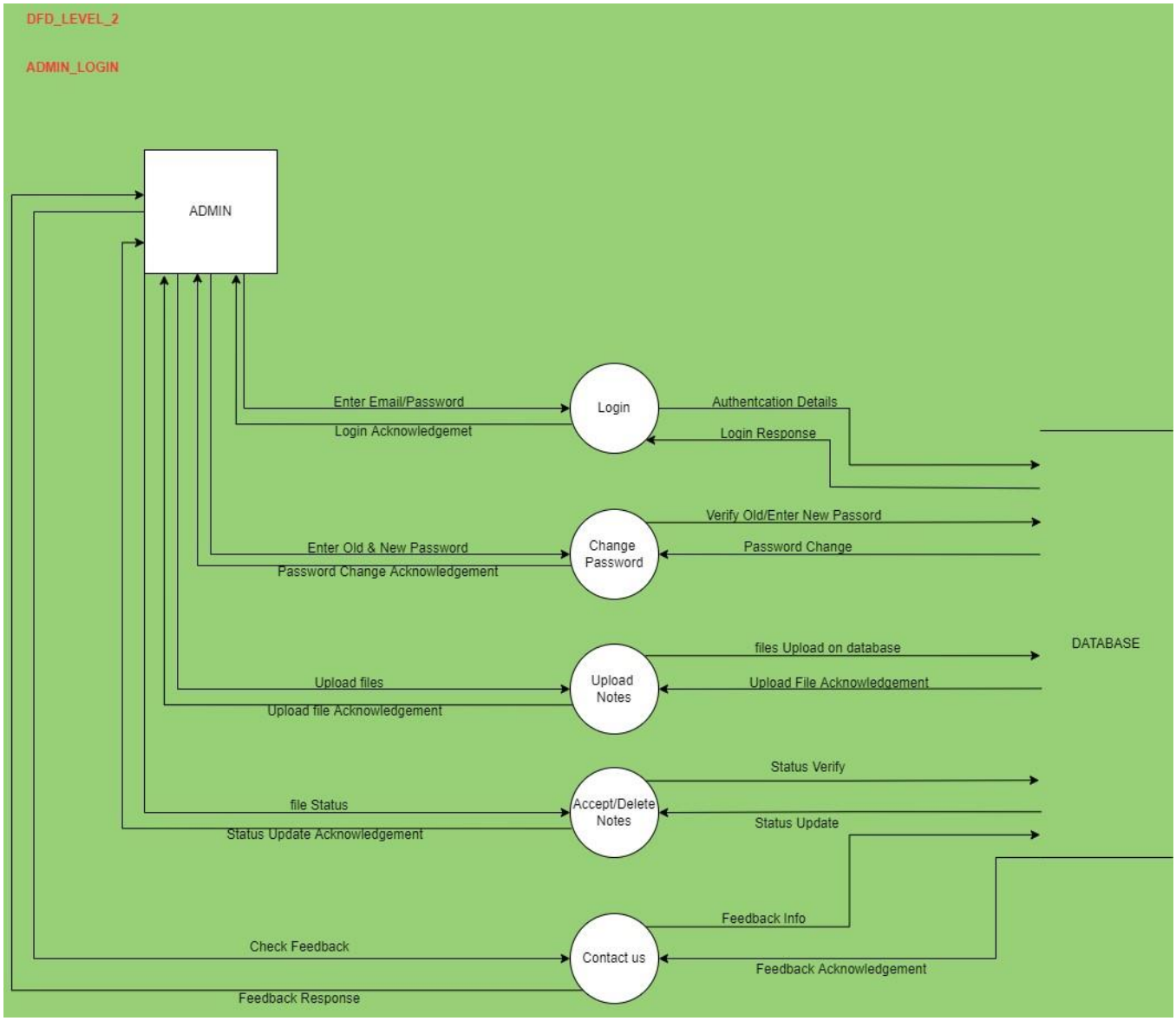
LEVEL 0: -



LEVEL 1: -


DFD LEVEL1
DATA BASE
Upload Notes
Edit Notes
USER
Login to Account
View Notes
ADMIN
Download Notes

LEVEL 2: -


DFD_LEVEL_2
ADMIN_LOGIN
ADMIN
Enter Email/Password
Login Acknowledgemet
Login
Authentcation Details
Login Response
Verify Old/Enter New Passord
Enter Old & New Password
Password Change Acknowledgement
Change Password
Password Change
files Upload on database
DATABASE
Upload files
Upload file Acknowledgement
Upload Notes
Upload File Acknowledgement
Status Verify
file Status
Status Update Acknowledgement
Accept/Delete Notes
Status Update
Feedback Info
Check Feedback
Feedback Response
Contact us
Feedback Acknowledgement

4.3 USER INTERFACE DIAGRAM: -

USE CASE DIAGRAM: -

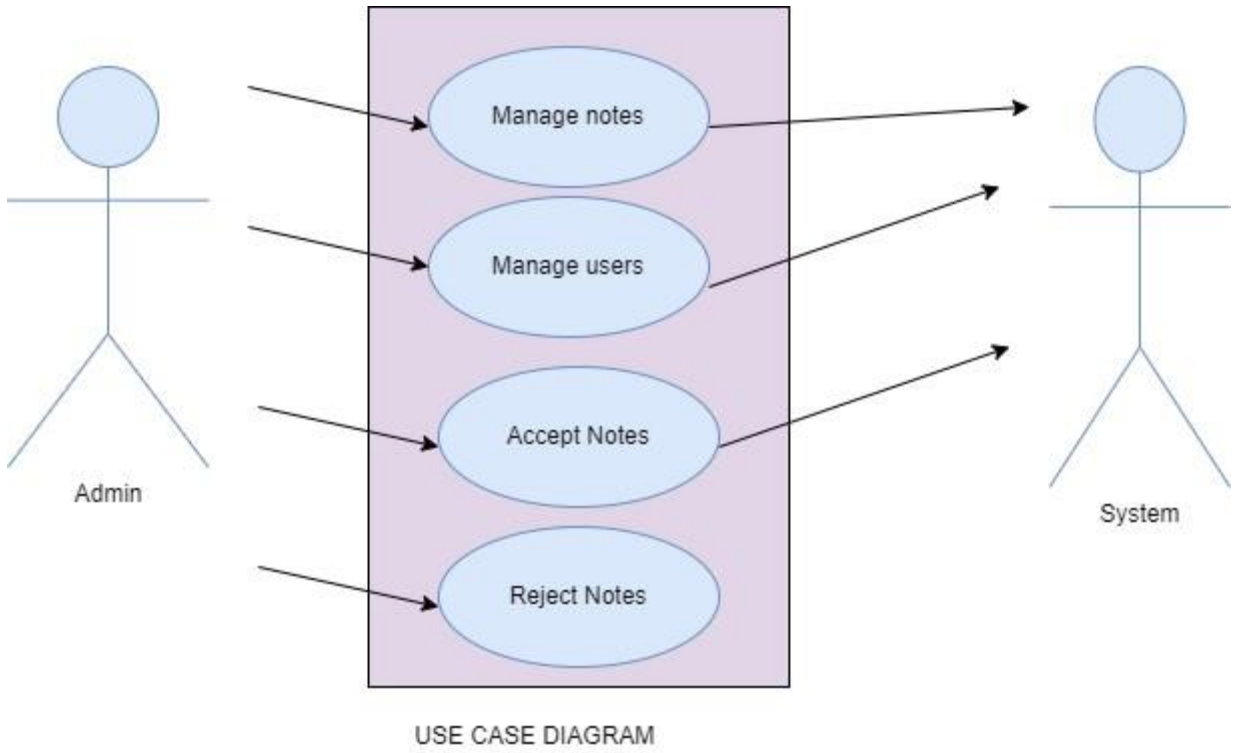


Fig1: Use Case diagram for Admin and System

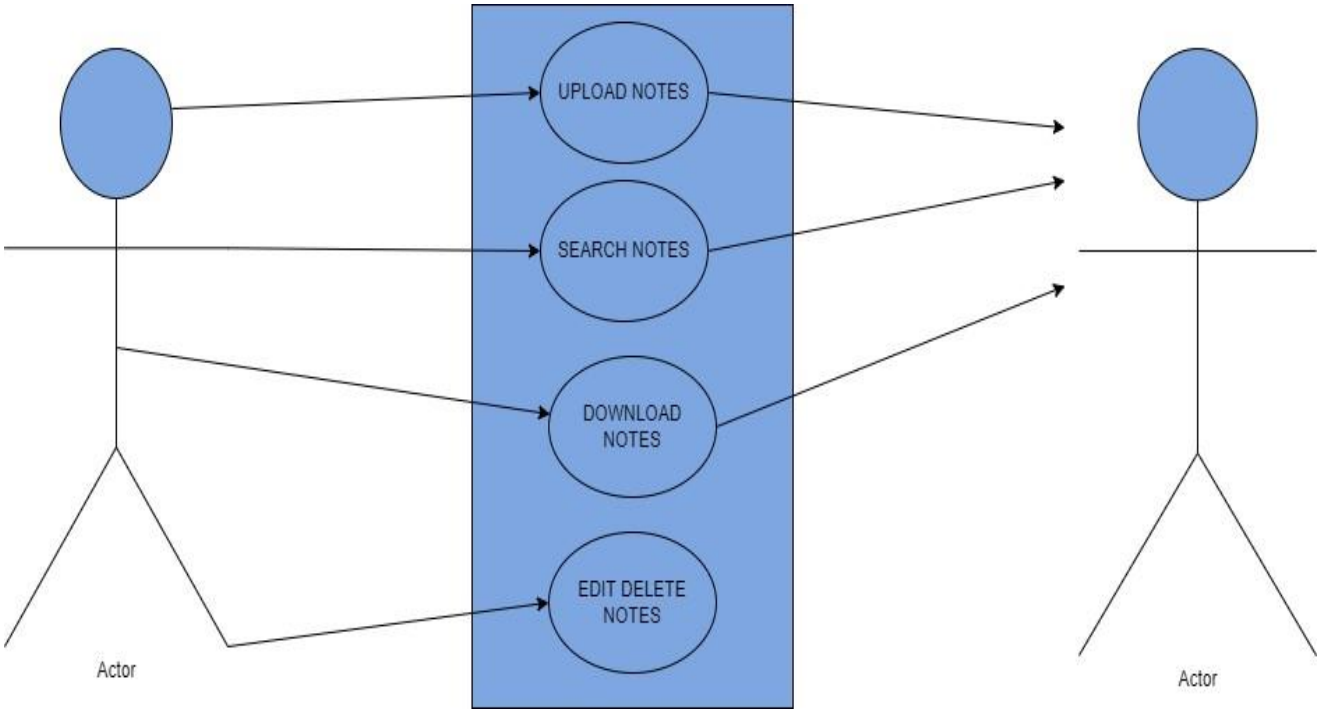


Fig2: Use Case Diagram for User and System

5. Conclusion: -

5.1 Work Accomplished: -

- All users can upload and share study notes with other users.
- Users can select the stream (branch) at the time of upload.
- User can upload notes in the pdf, doc, ppt, zip, txt etc. File format.
- User can search notes via branch, subject and title.
- Administrator or management can manage the users and notes.
- Admin can accept or reject the notes uploaded request. Notes can publish only after accepted by admin.

5.2 Environment/Economic/Social Benefits: -

- All Students of any field (branch, Stream) are used.
- Here for All Competitive Exam resources are free Available.
- This Website is easy to Use.

5.3 Future Work Plan: -

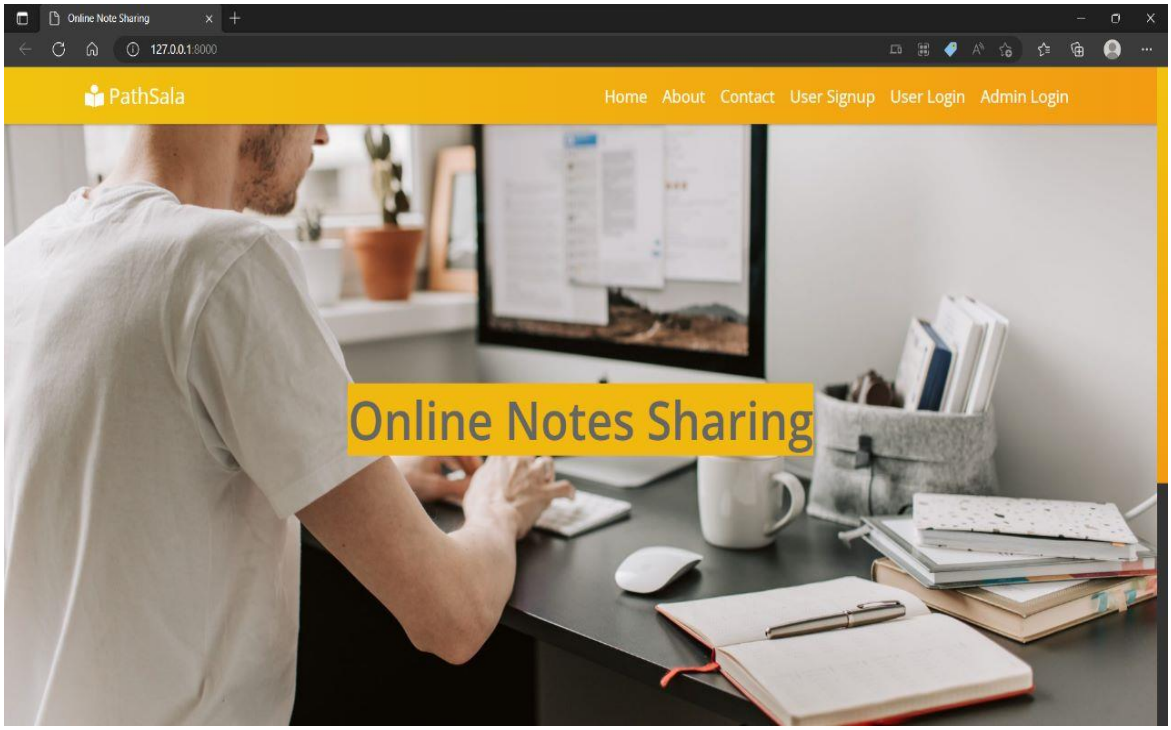
In Future We also add E-content (Videos, Live Classes, etc.).
In Future We also available Subscription facility, so we make more profit.
This web application involves almost all the features of the online file sharing. The future implementation will be online help for the users and chatting with

website administrator. This project has several advantages. Managing the levels of the project is pretty easy and so is storing the notes. It is easy to maintain up to date information and is cheaper to maintain.

6. Screenshots: -

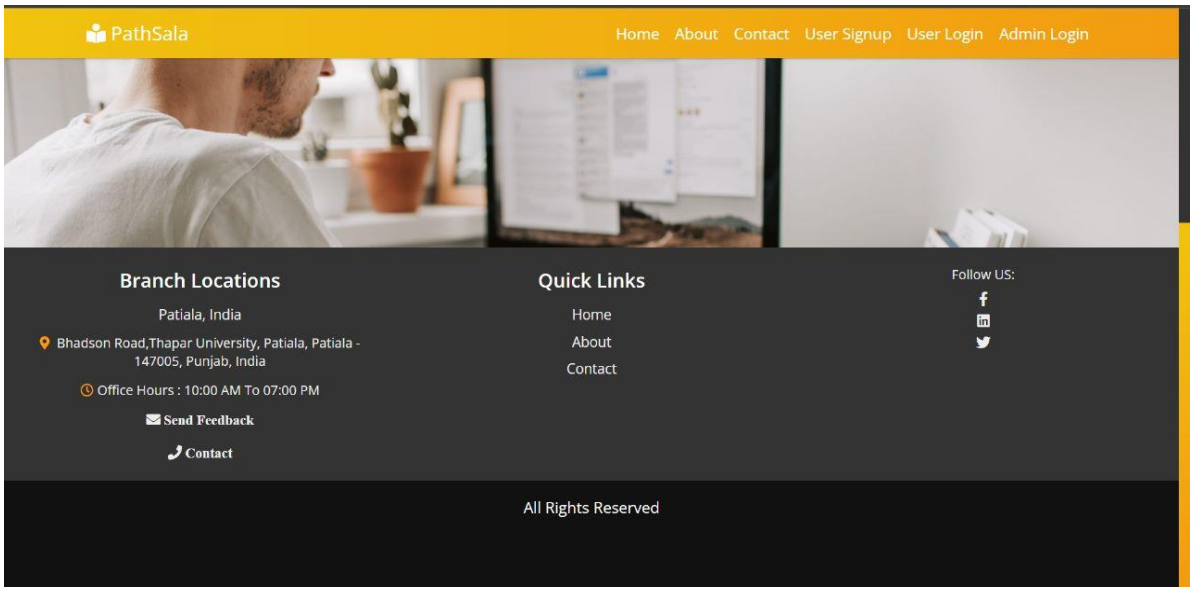
Home page: -

- This is the page which user see when the open the website.
- Here user is able to create a new account, do login.
- Admin also get login in to the site through this page.



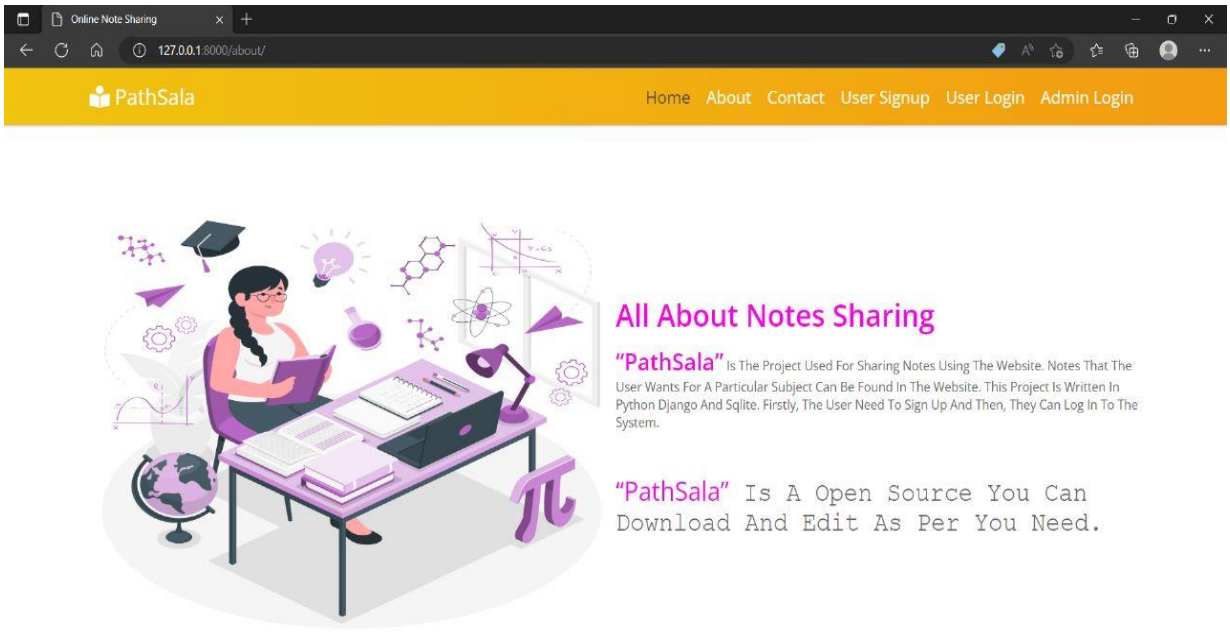
Contact page: -

- This is the page which show the location of Admin Office.
- All social media handle of Admin.



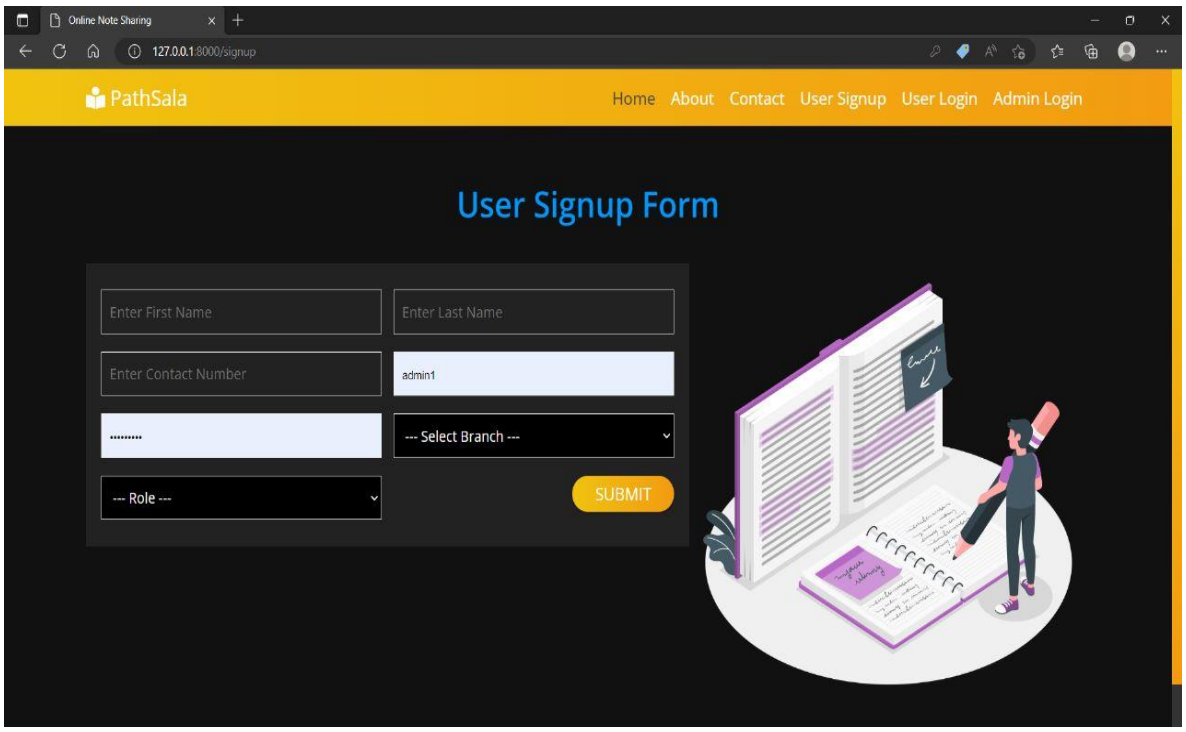
About us: -

- This is the page which show the detail of the website.
- It tells what for the website is.



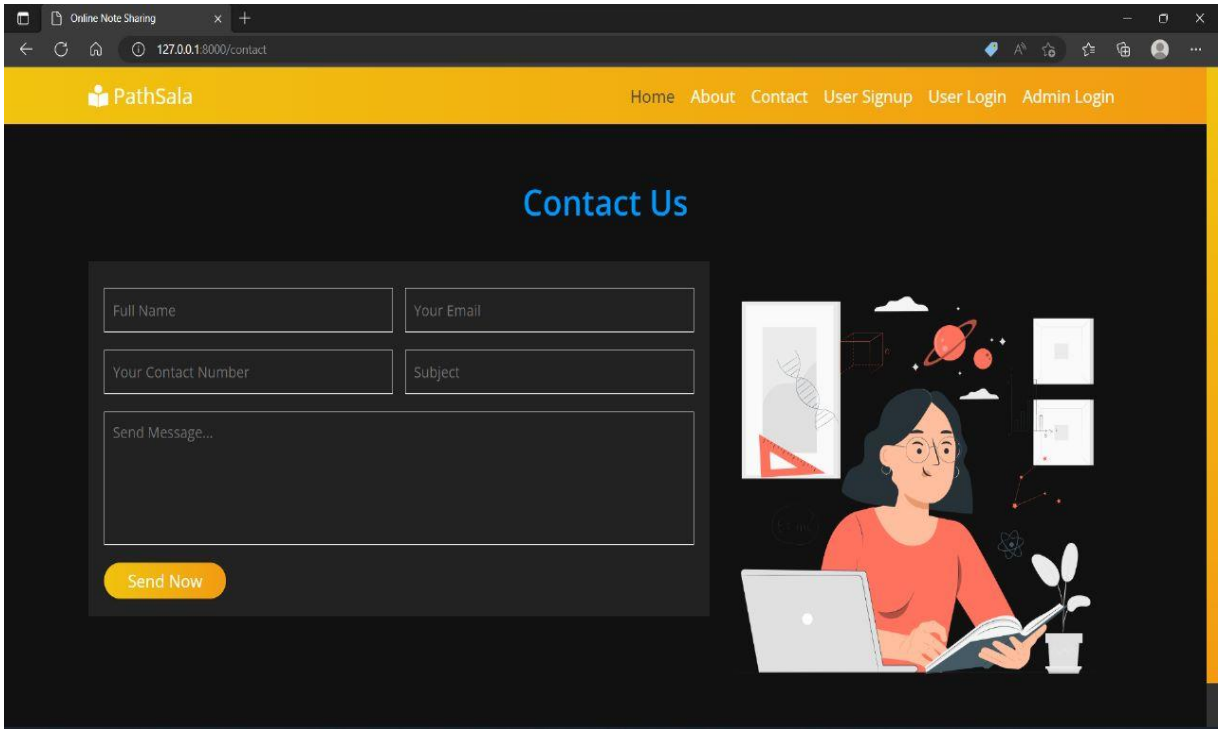
Sign up: -

- Here the new user creates his/her account.
- He/she can create his account using their email, username, user type , branch , course **.**



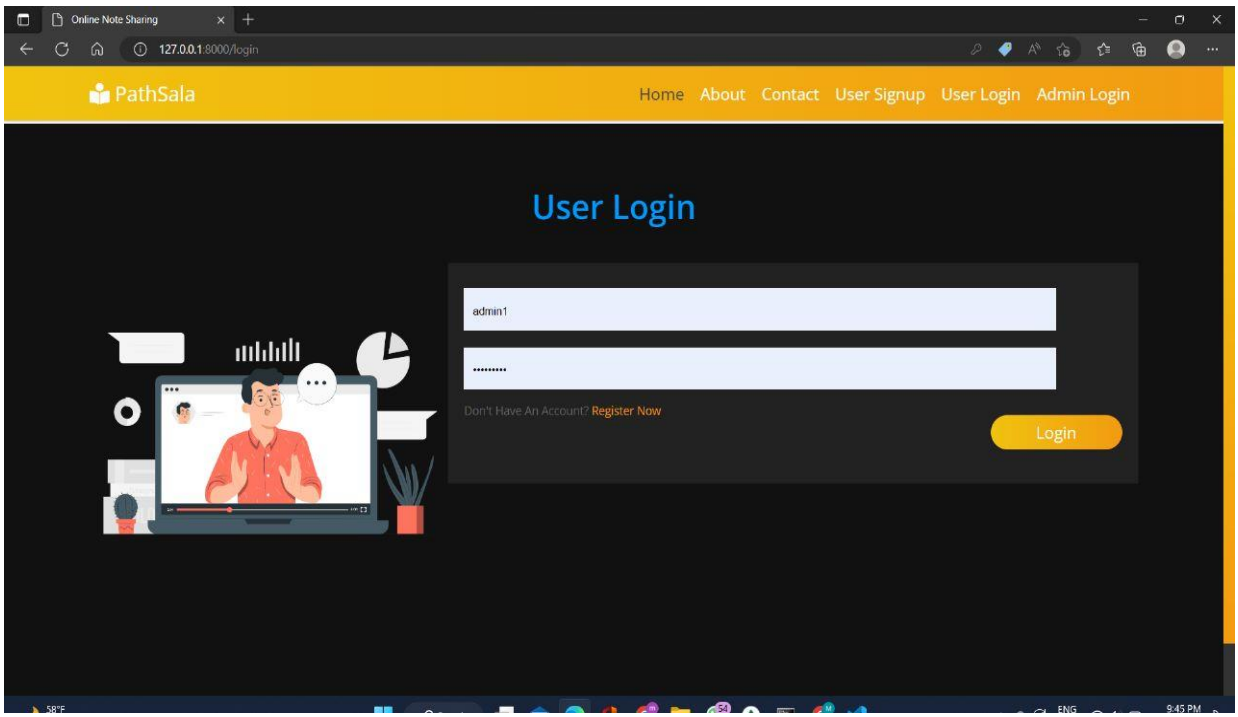
Contact us: -

- This is the page where user get all information to establish communication with the developer.
- It has information like phone no, email, Facebook id , etc.



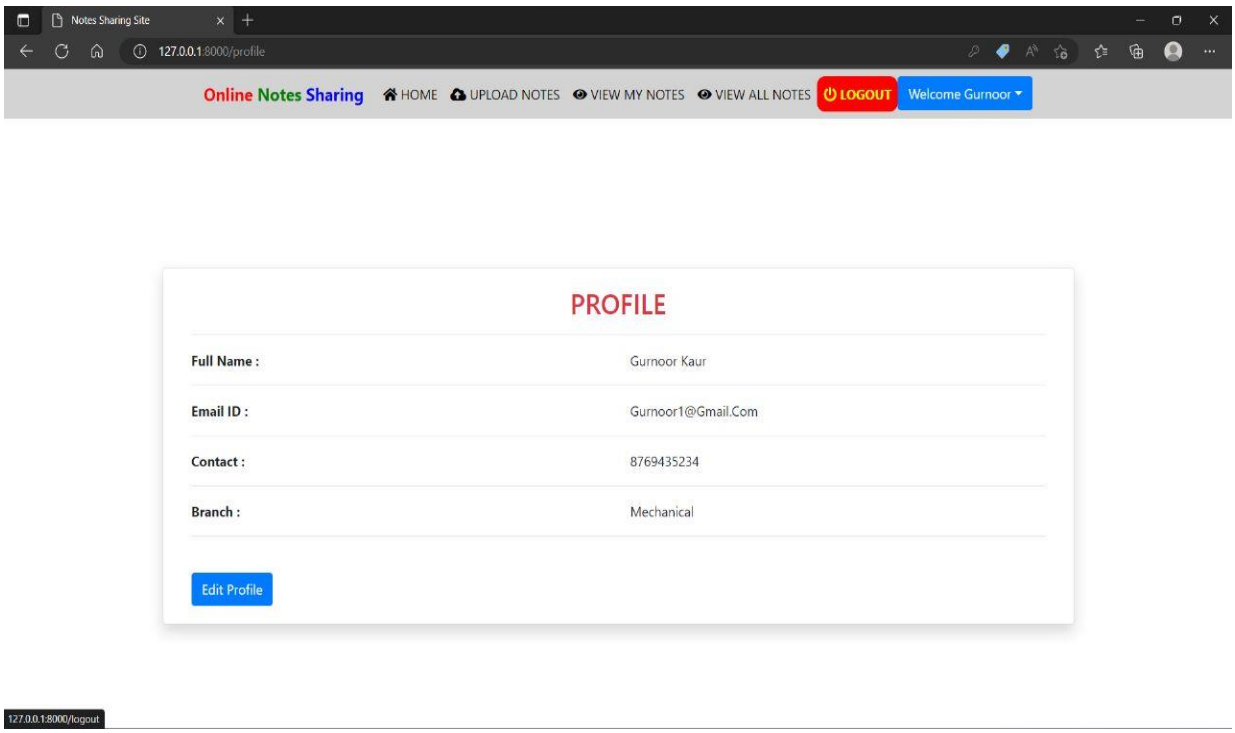
User login Page:-

- All the user can login through this login user name and password.



User Profile Page:-

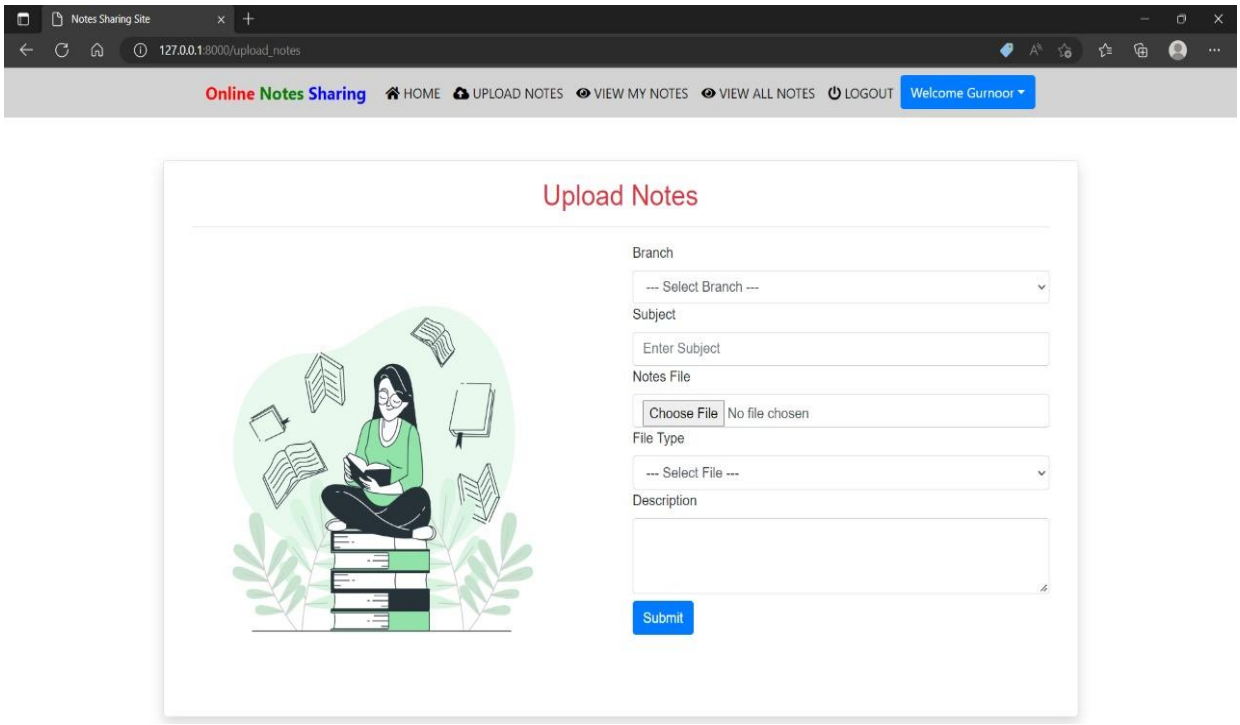
- This page show detail about User that are login.



Upload notes: -

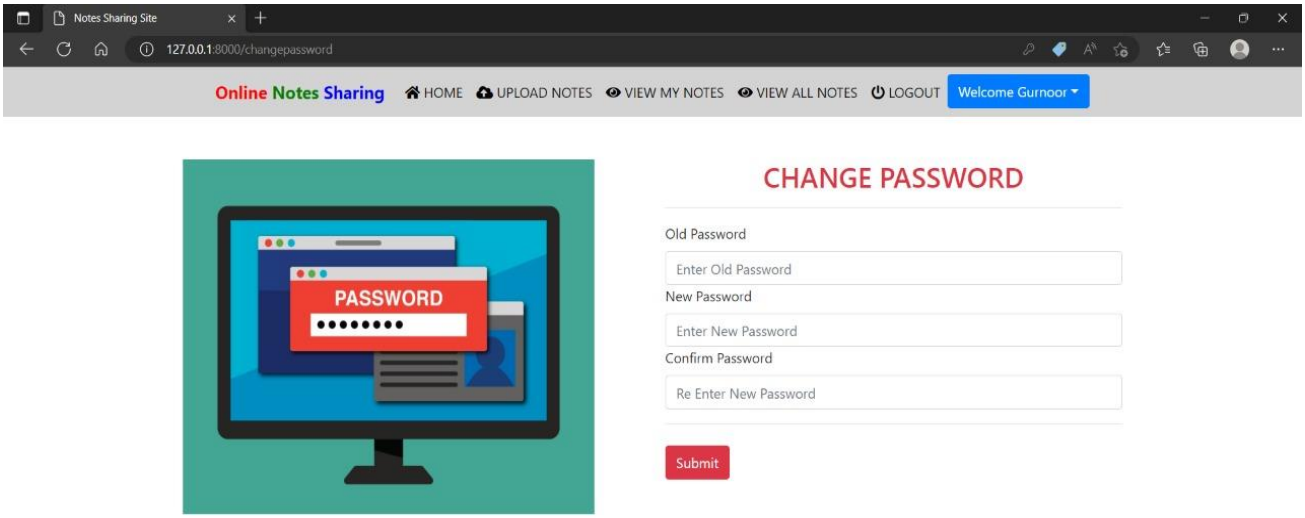
- Here user can upload the notes just by filling following requirements.

- Here user select his/her file to be uploaded.



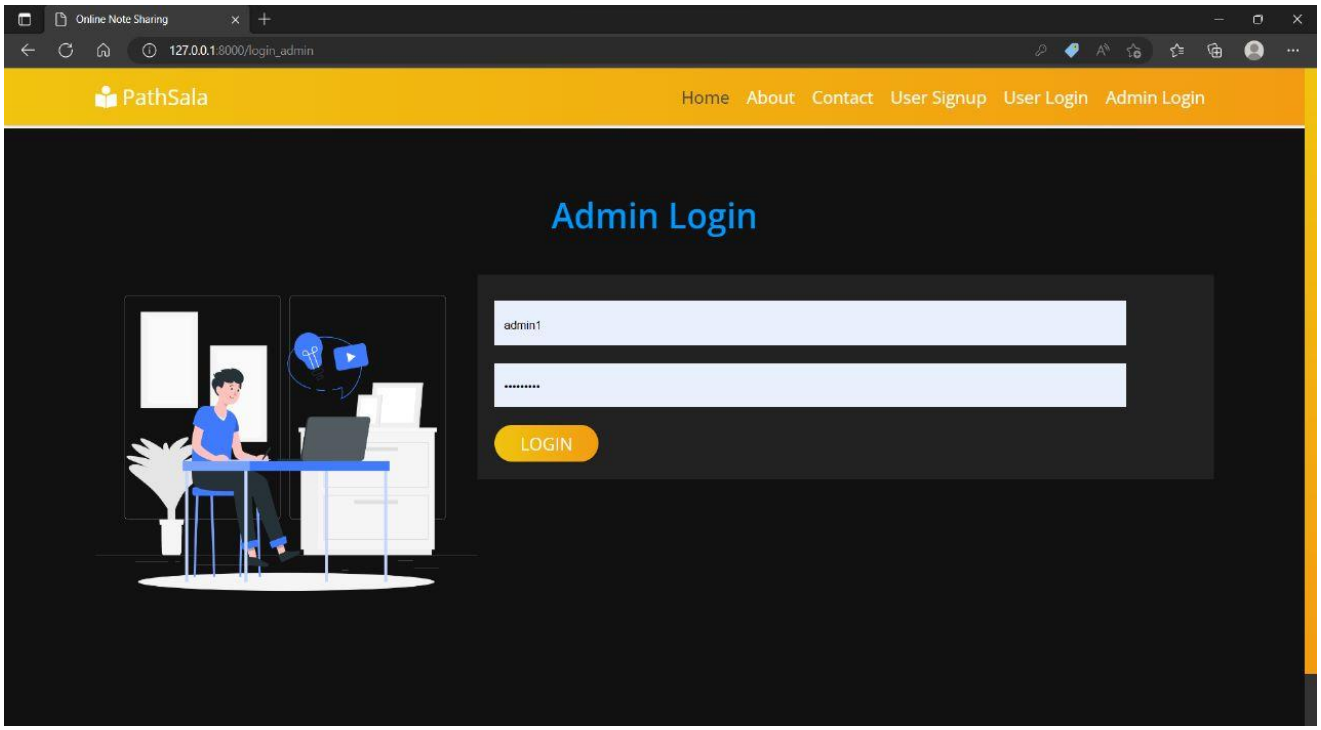
Change password: -

- Here user can change own password.

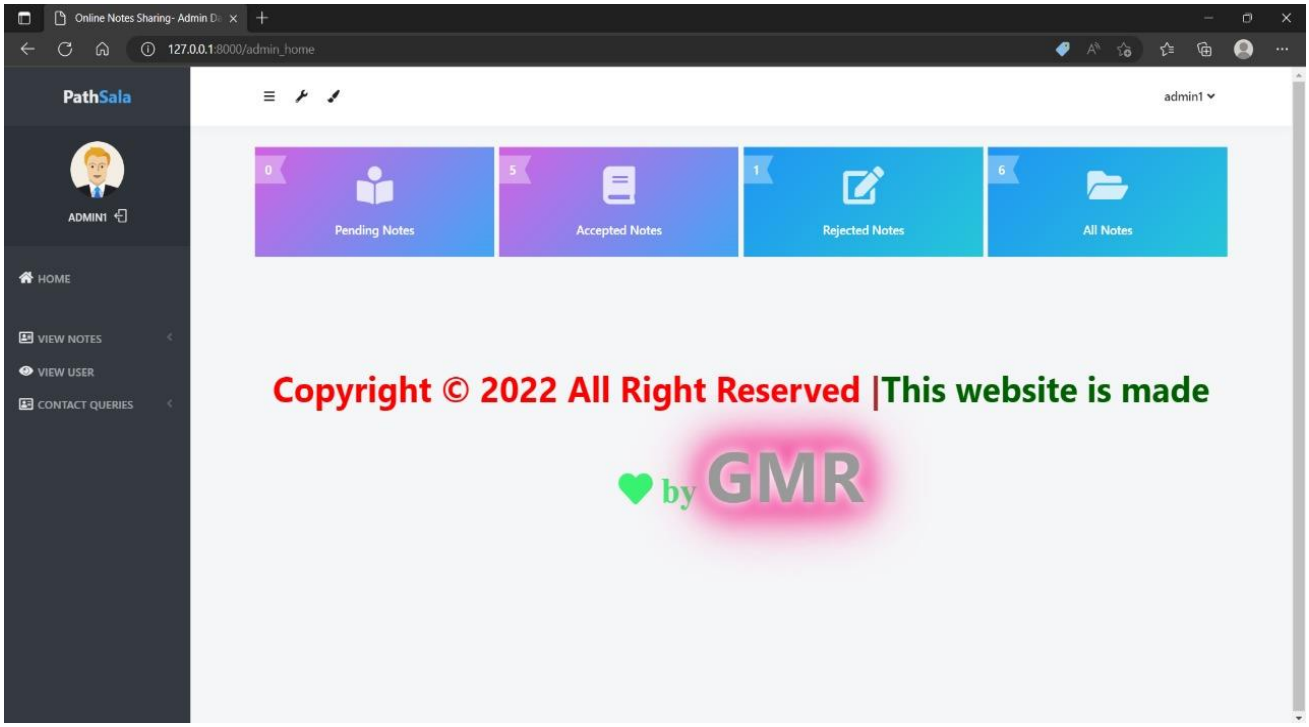


Admin login: -

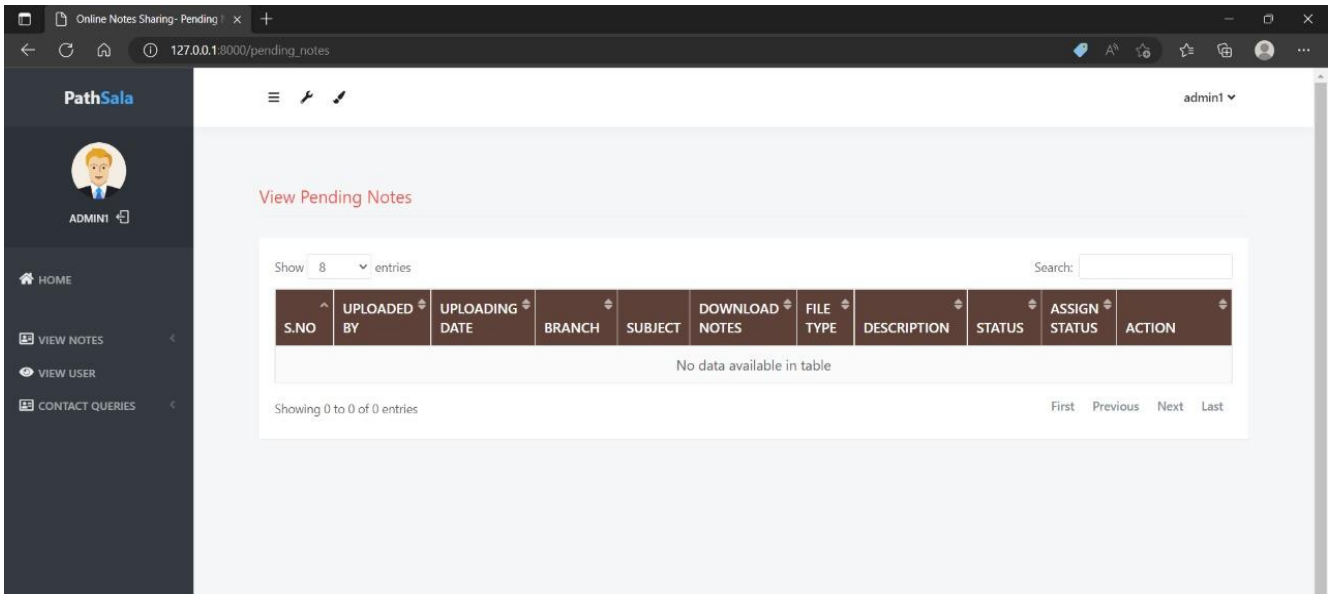
- This is admin login page.
- Here admin get login just by entering username and password.



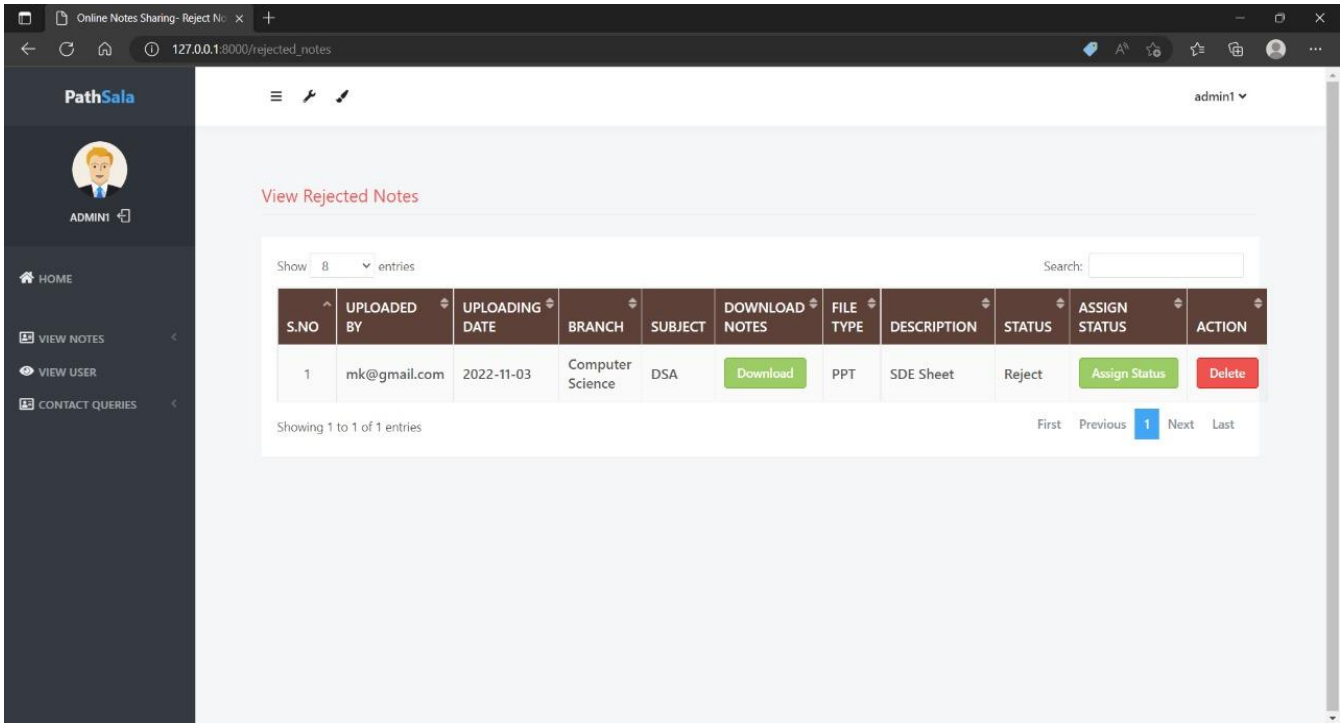
Admin Home Page: -



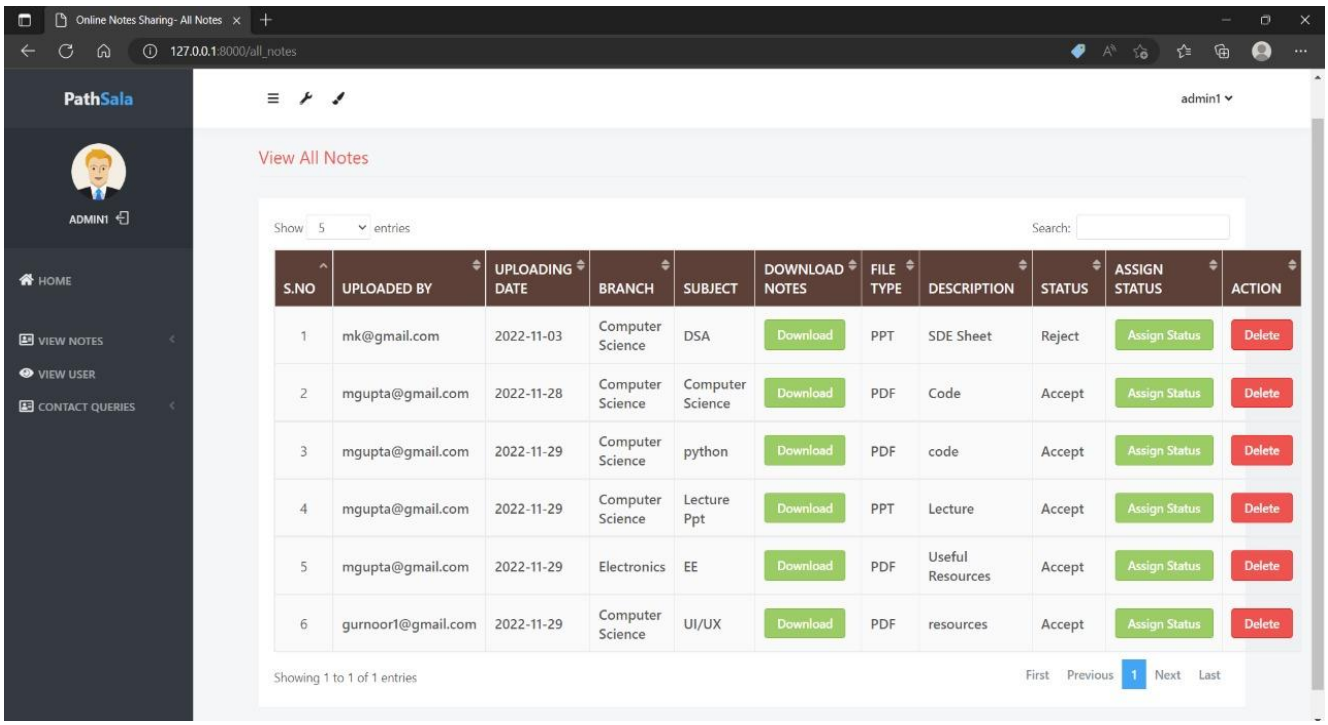
Pending notes: -



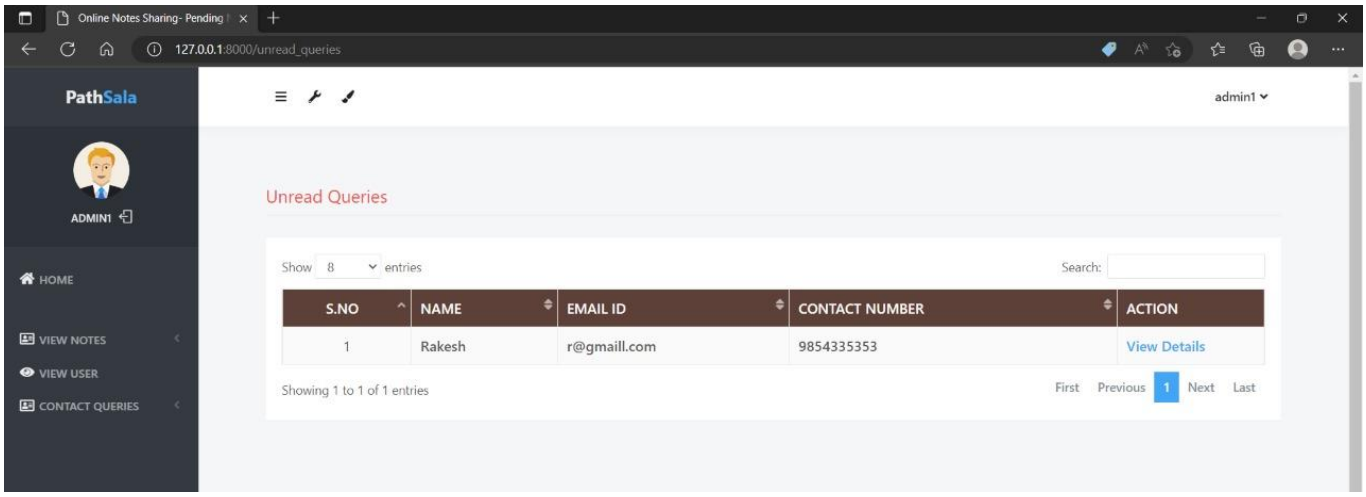
Reject notes:-



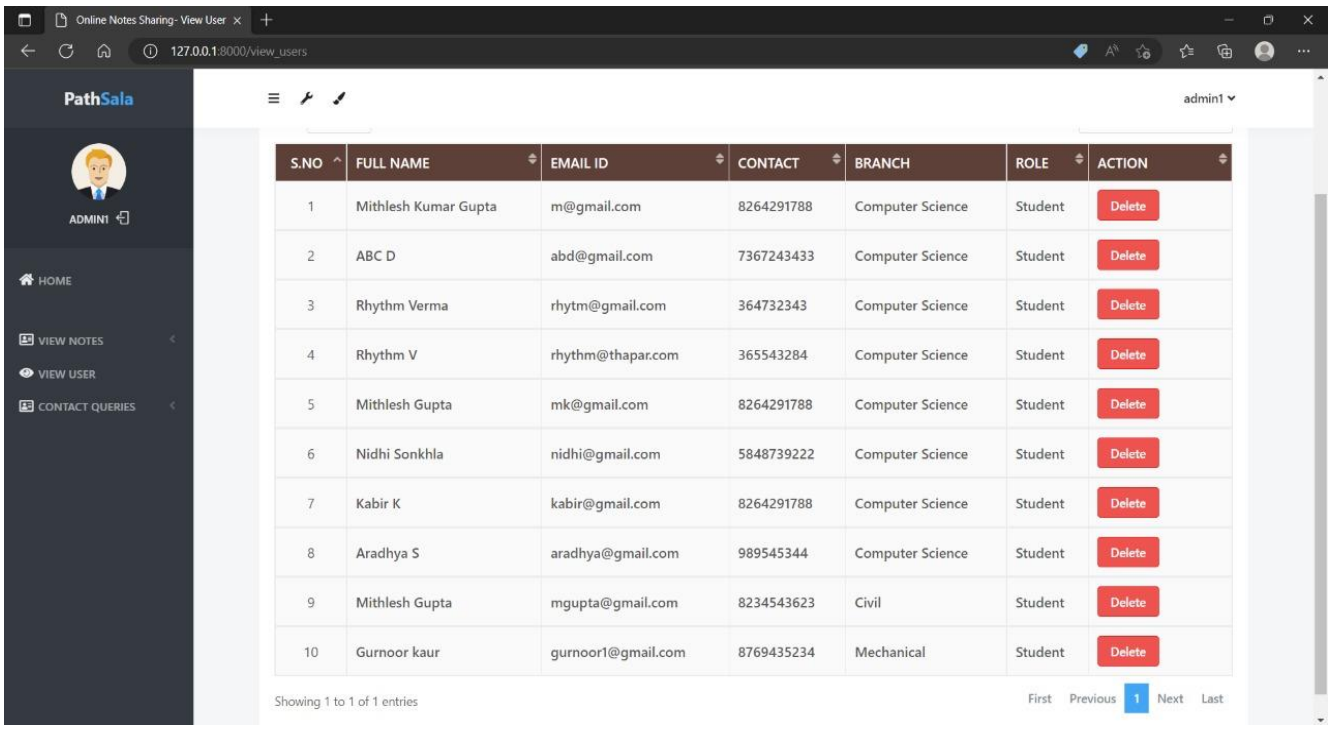
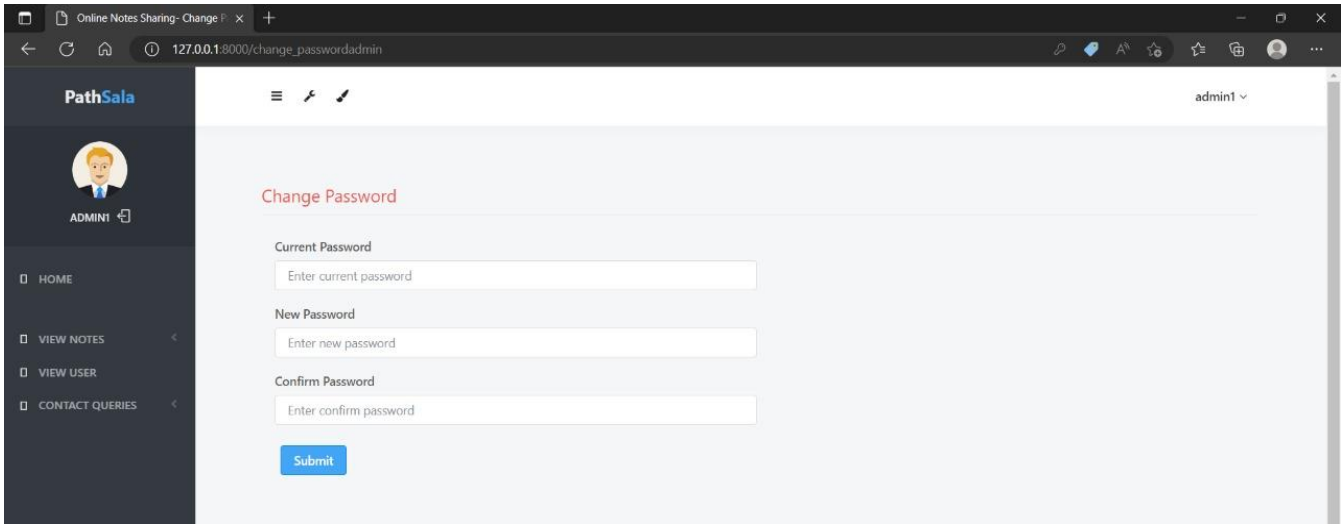
All notes:-



Queries: -



User details:-



Admin password change:-