

# **PATHSHALA**

**(Online Notes Sharing)**

**UCS 542 - UI & UX Specialist Project Report**

**MID SEMESTER EVALUATION**

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**BE Third Year**

**Computer Science and Engineering**



**THAPAR INSTITUTE**  
OF ENGINEERING & TECHNOLOGY  
(Deemed to be University)

**Computer Science and Engineering Department**  
**Thapar Institute of Engineering and Technology, Patiala July**  
**2022**

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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 5<sup>th</sup> semester (2022).

Date: 18 Sept,2022

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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 **Pathshala (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 don’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	adminname	Varchar (30)
2	password	Varchar (30)

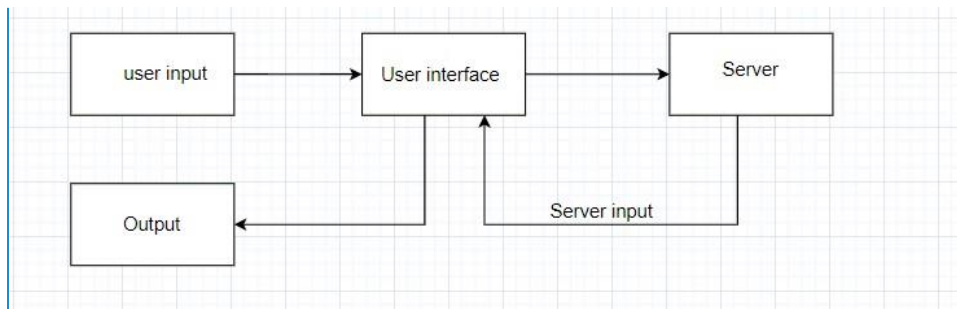


## User

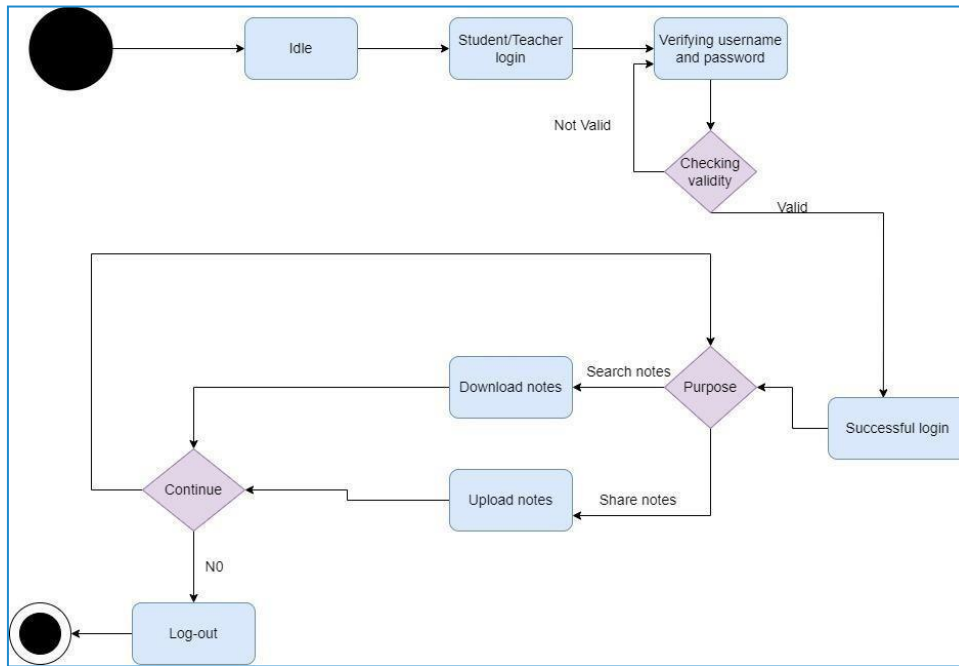
#	NAME	TYPE
1	username	Varchar (30)
2	password	Varchar (10)
3	securityq	Varchar (50)
4	securitya	Varchar (30)
5	emailid	Varchar (40)
6	contact	Varchar (10)
7	branch	Varchar (20)
8	role	Varchar (10)

## 5. LIST OF FIGURE:-

### 5.1 SYSTEM ARCHITECTURE:- BLOCK DIAGRAM:-



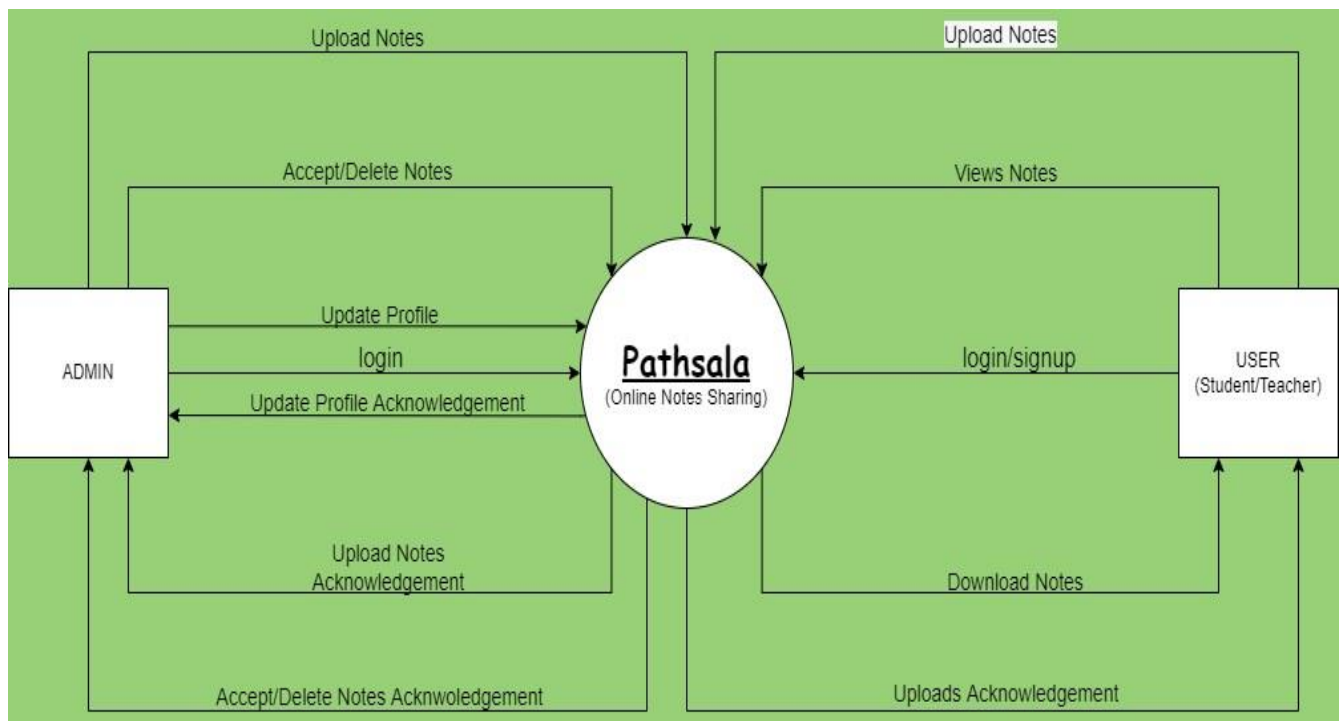
### ACTIVITY DIAGRAM:-



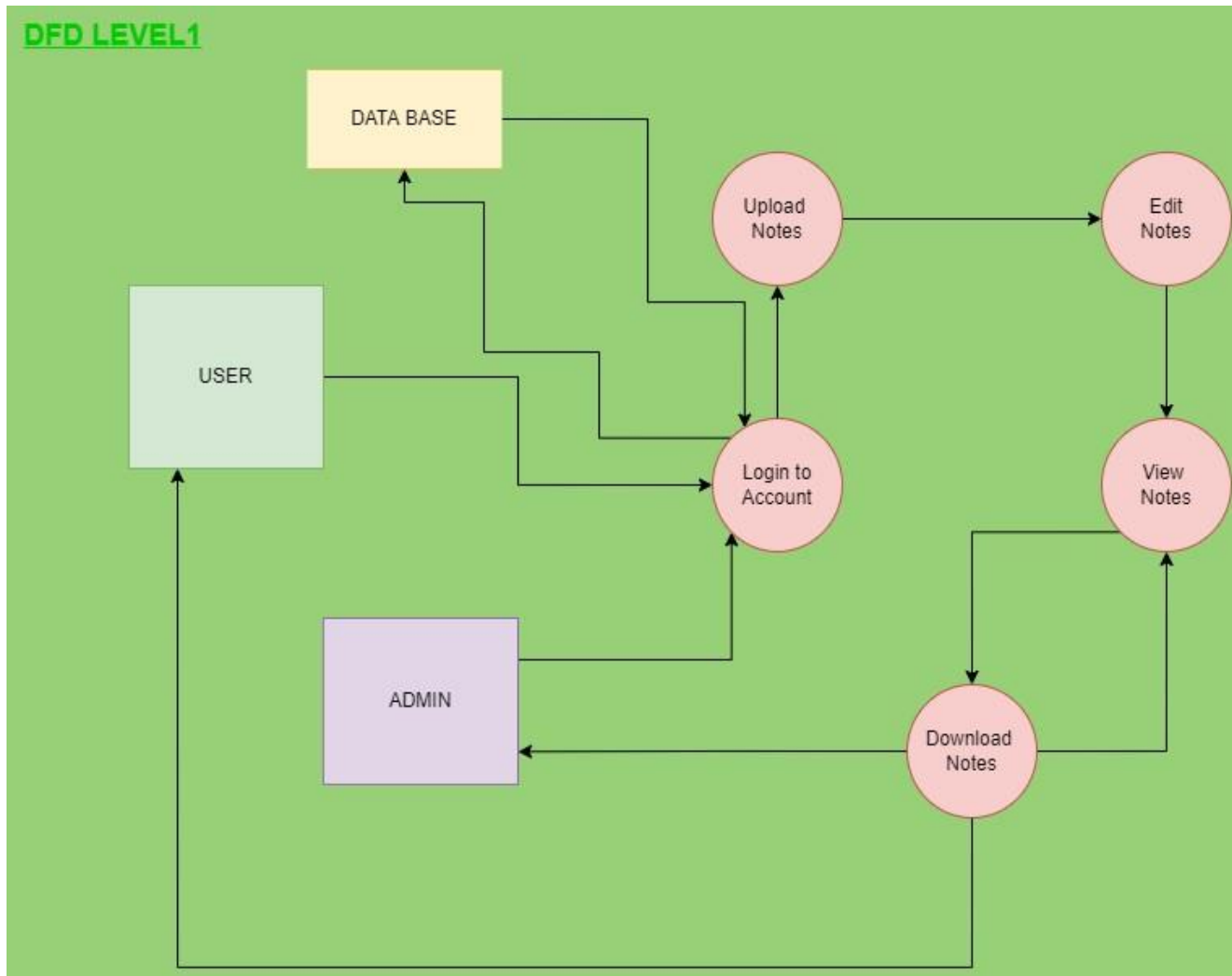
## **5.2 DESIGN LEVEL DIAGRAM: -**

**DFD:-**

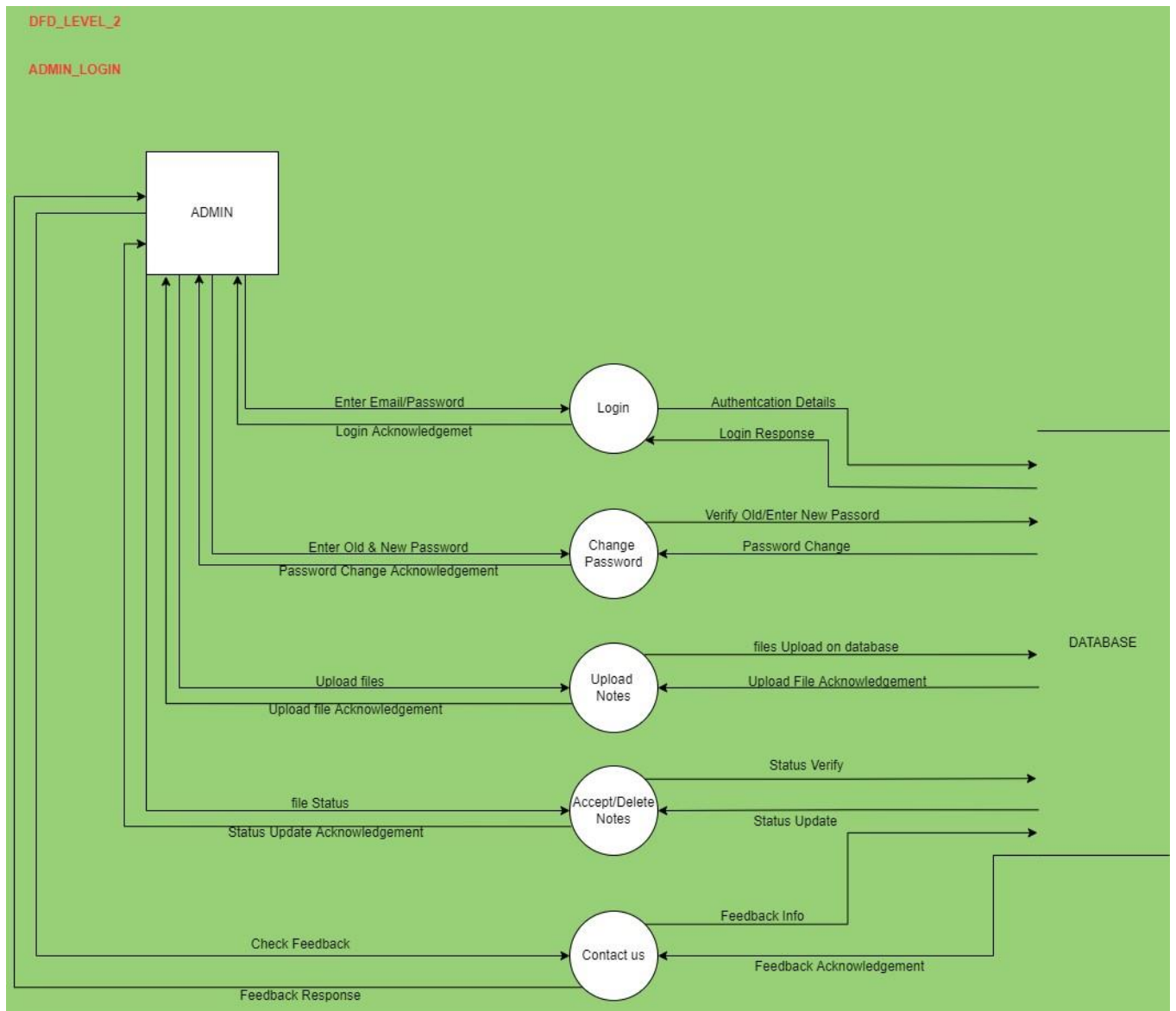
**LEVEL 0:**



## LEVEL 1: -



## LEVEL 2: -



### **5.3 USER INTERFACE DIAGRAM:-**

USE CASE DIAGRAM: -

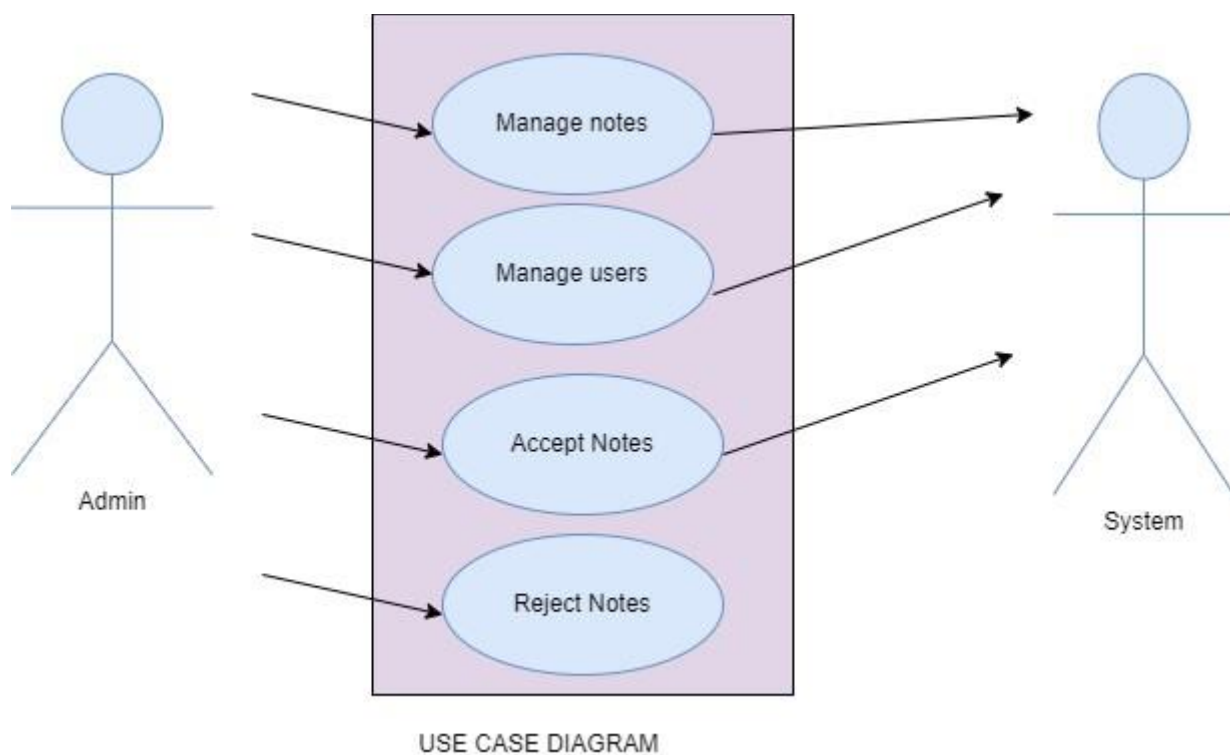


Fig1: Use Case diagram for Admin and System

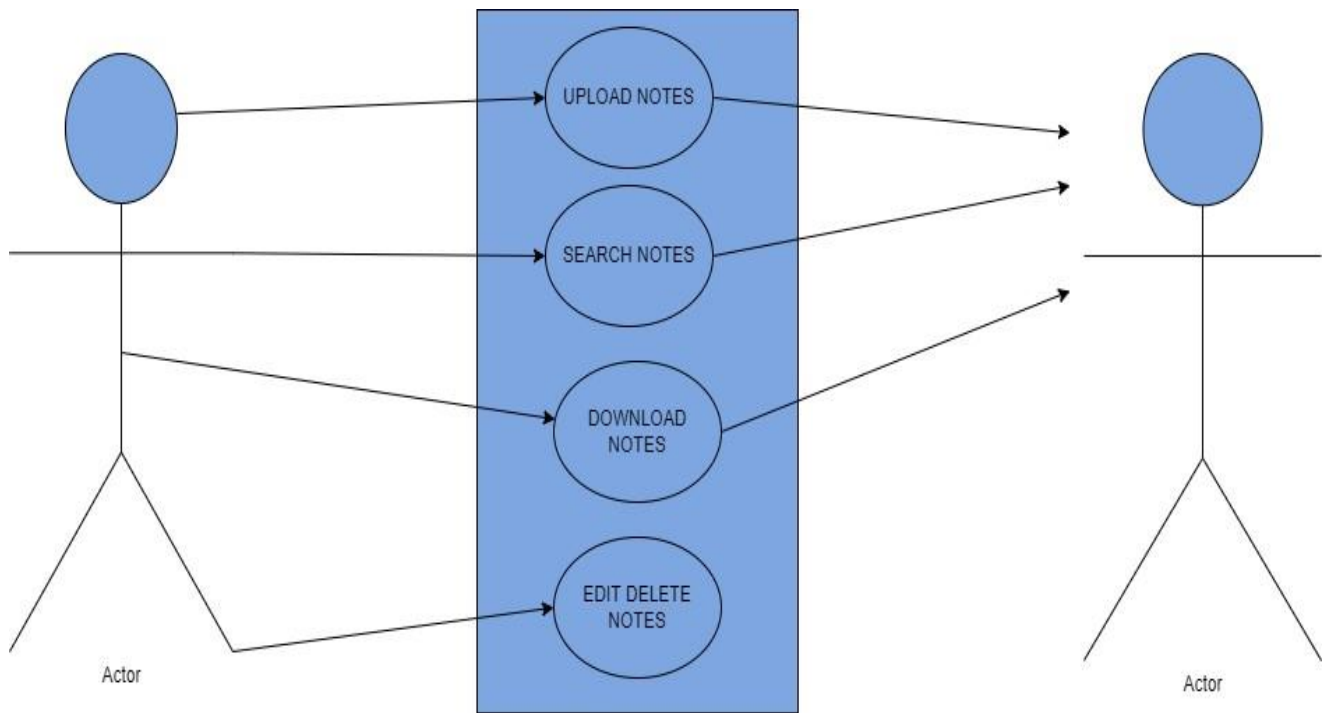


Fig2: Use Case Diagram for User and System

## **5. Conclusions**

### **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.

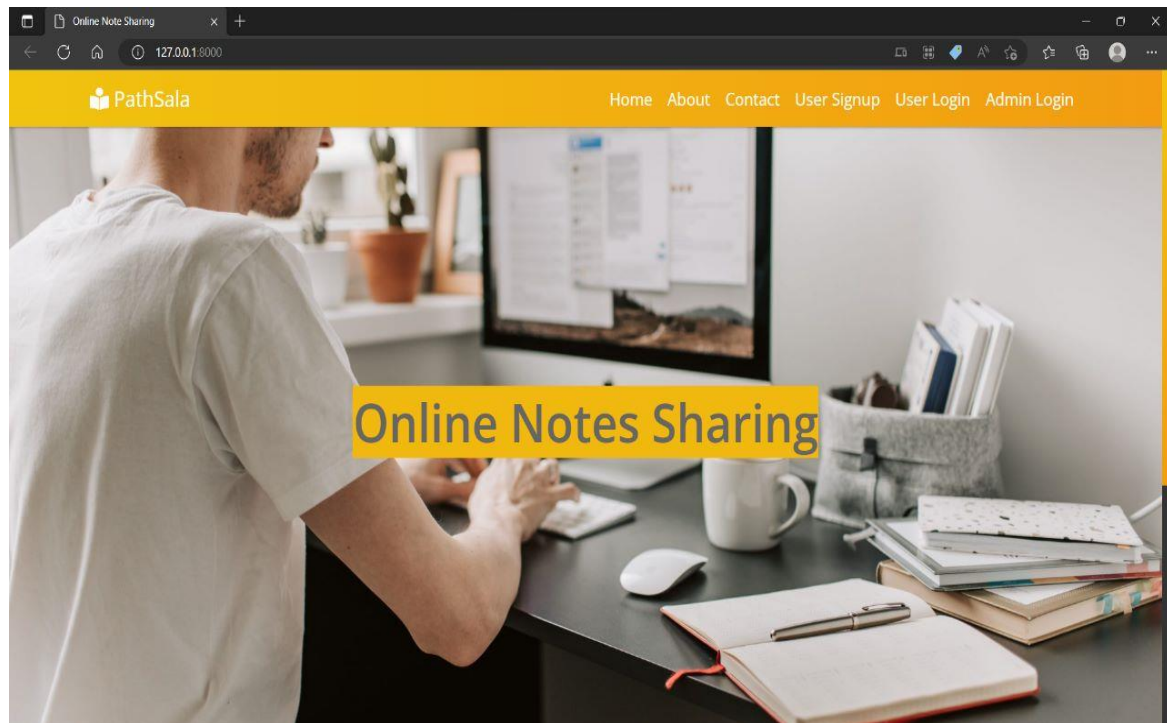
The future implementation will be online help for the users and chatting with website administrator. This project has several advantages. Managing the levels of the project is pretty easy and so is storing the notes. It is easy to maintain up to date information and is cheaper to maintain.



## 6. Screenshot

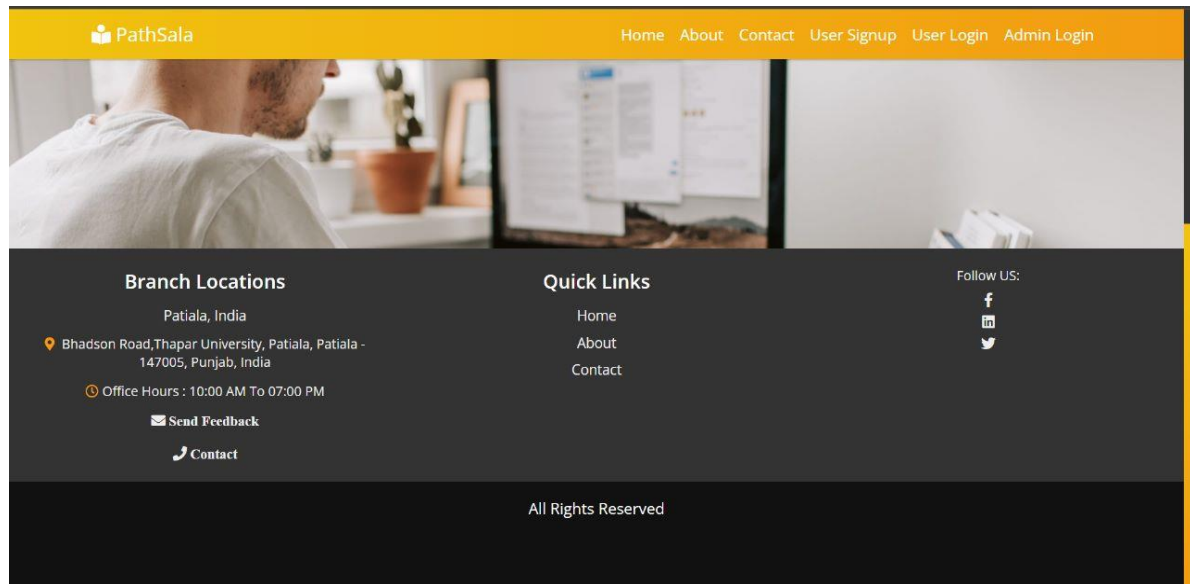
### **Home page:**

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



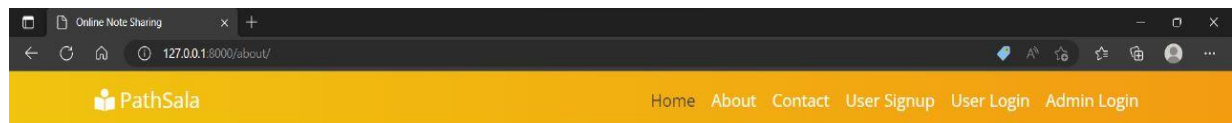
### **Contact page:**

- 1.This is the page which show the detail of the website.
- 2.Its tell what for the website is.



## About us:

- 1.This is the page which show the detail of the website.
- 2.Its tell what for the website is.



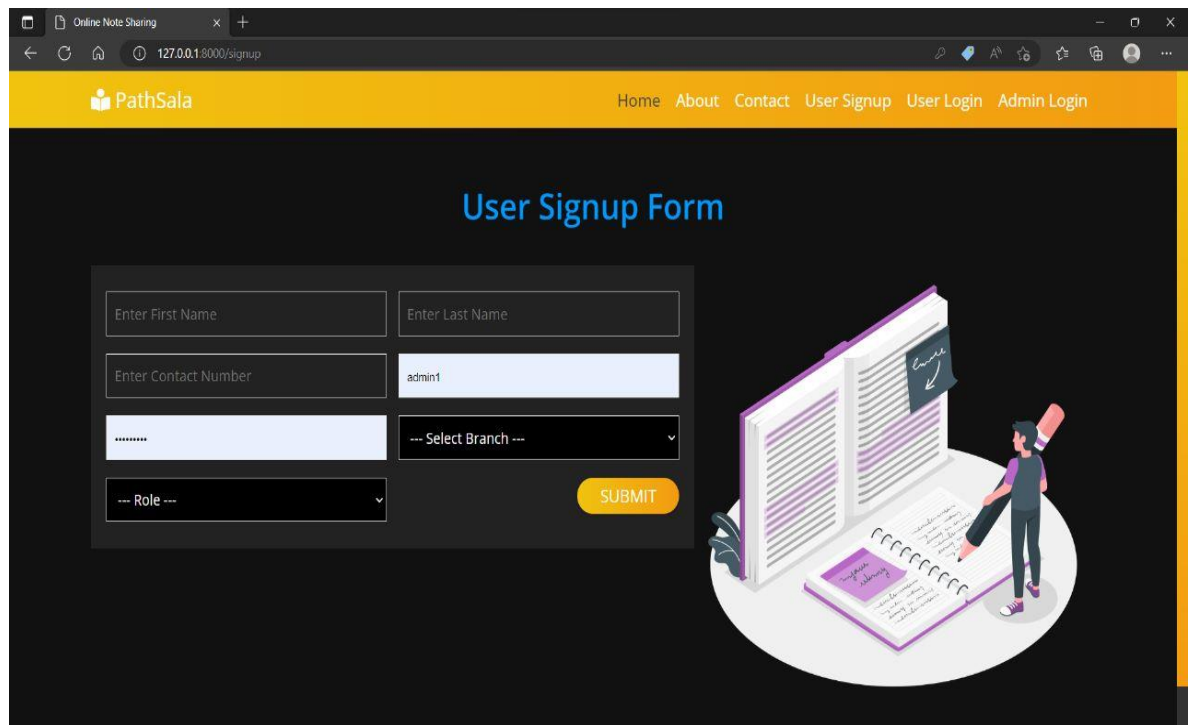
### All About Notes Sharing

**"PathSala"** Is The Project Used For Sharing Notes Using The Website. Notes That The User Wants For A Particular Subject Can Be Found In The Website. This Project Is Written In Python Django And Sqlite. Firstly, The User Need To Sign Up And Then, They Can Log In To The System.

**"PathSala"** Is A Open Source You Can Download And Edit As Per You Need.

# Sign up :

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

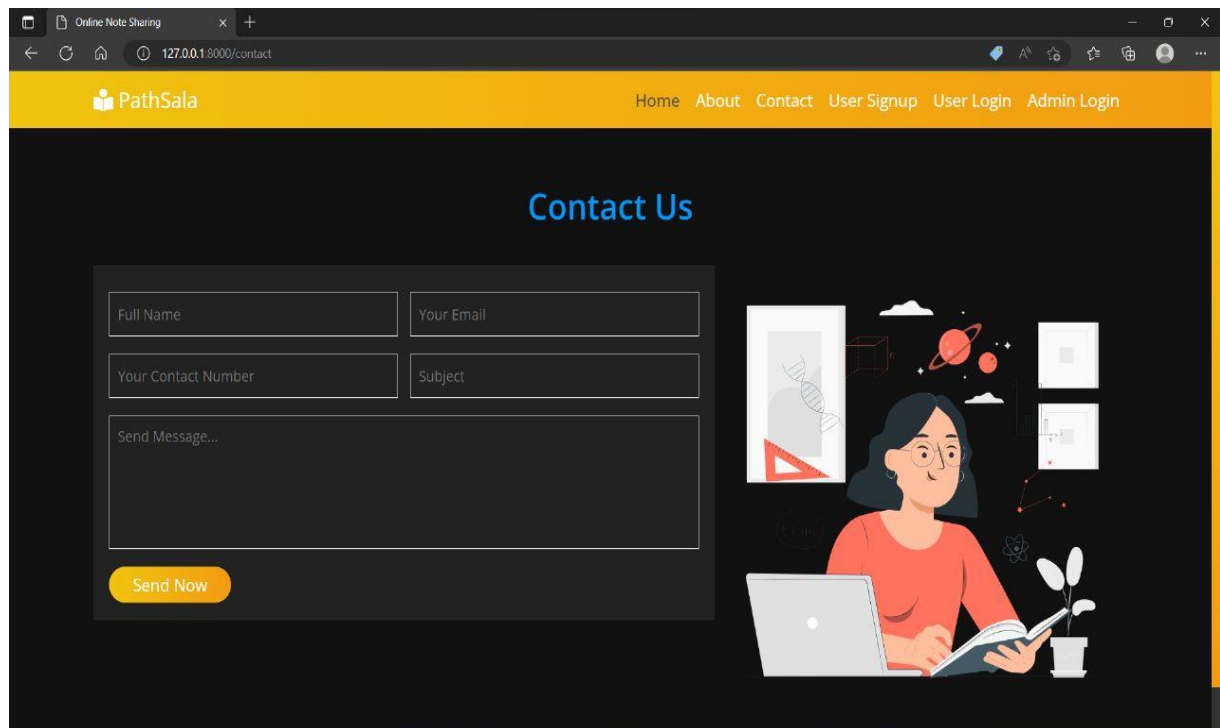


The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/signup". The page has a yellow header with the "PathSala" logo and navigation links: Home, About, Contact, User Signup, User Login, and Admin Login. The main content area has a dark background with the title "User Signup Form" in blue. The form itself is a light gray box containing several input fields and dropdown menus. To the right of the form is an illustration of a person writing in a notebook.

Field	Value
Enter First Name	
Enter Last Name	
Enter Contact Number	
Username	admin1
Role	--- Select Branch ---
Submit	SUBMIT

## Contact us:

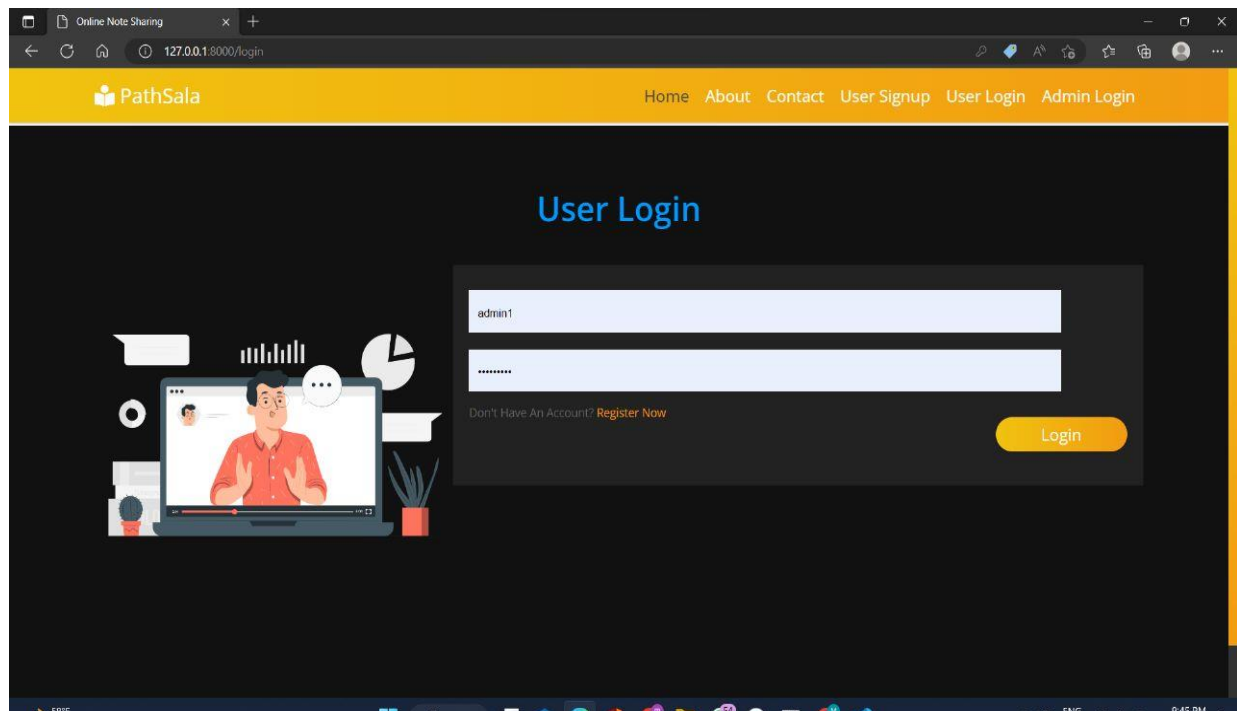
- 1.This is the page where user get all information to establish communication with the developer.
- 2.It has information like phone no, email, Facebook id , etc.



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/contact". The website has a yellow header with the "PathSala" logo and navigation links: Home, About, Contact, User Signup, User Login, and Admin Login. The main content area has a dark background with the title "Contact Us" in blue. On the left, there is a contact form with the following fields: "Full Name", "Your Email", "Your Contact Number", "Subject", and a large "Send Message..." text area. A yellow "Send Now" button is located below the message area. On the right, there is an illustration of a woman with glasses and a red shirt sitting at a desk with a laptop, surrounded by various educational icons like a DNA helix, a planet, a book, and a potted plant.

## User login Page

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



## User Profile Page



### PROFILE

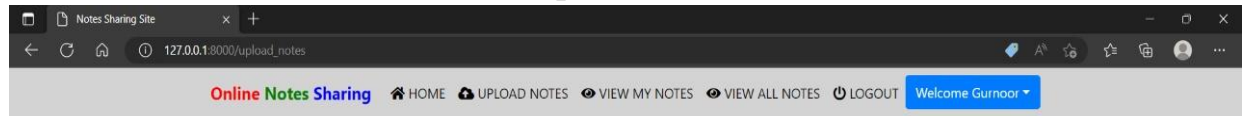
Full Name :	Gurnoor Kaur
Email ID :	Gurnoor1@Gmail.Com
Contact :	8769435234
Branch :	Mechanical

Edit Profile


127.0.0.1:8000/logout

## Upload notes

1. Here user can upload the notes just by filling following requirements.
2. Here user select his/her file to be uploaded



### Upload Notes



Branch  
--- Select Branch ---

Subject  
Enter Subject

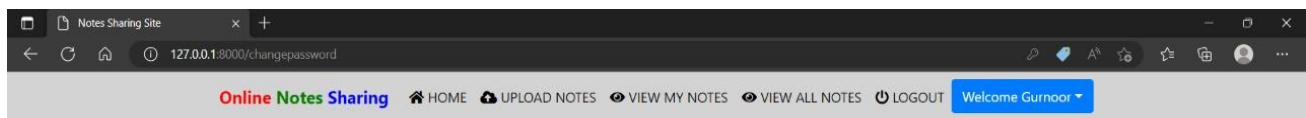
Notes File  
Choose File No file chosen

File Type  
--- Select File ---

Description

Submit

## Change password



### CHANGE PASSWORD



Old Password  
Enter Old Password

New Password  
Enter New Password

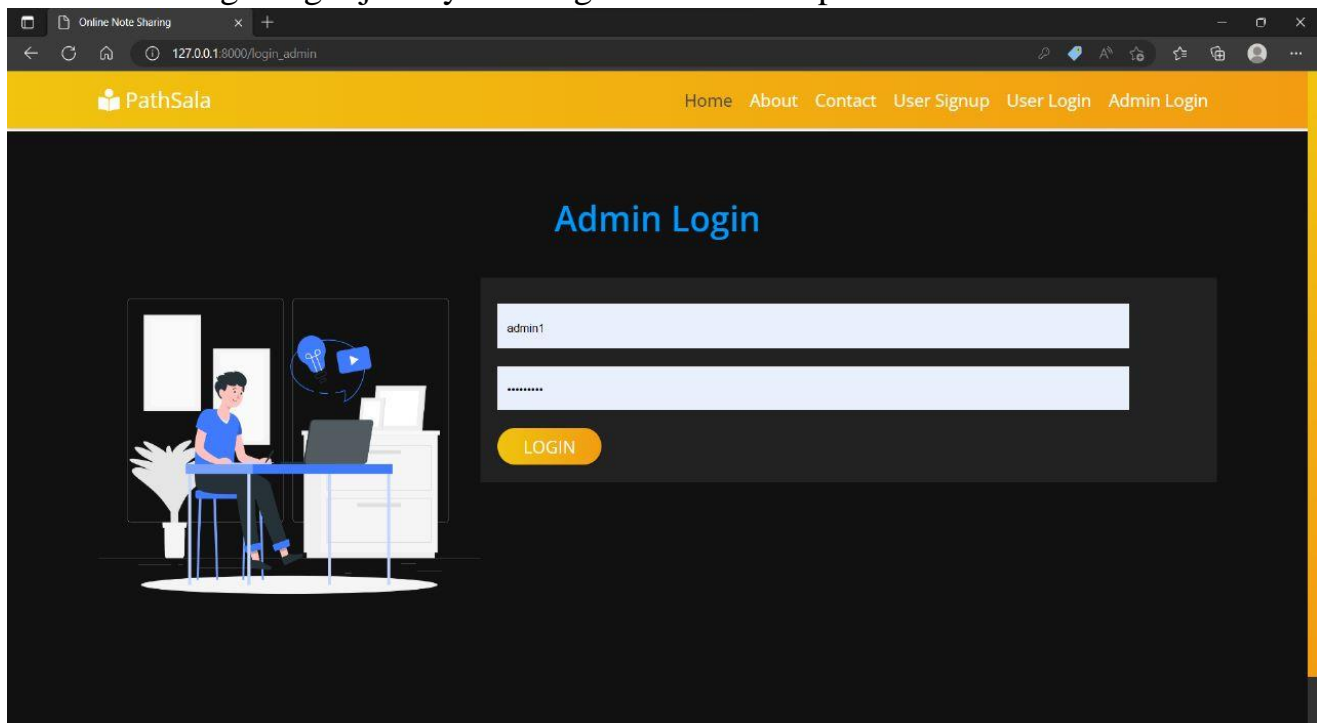
Confirm Password  
Re Enter New Password

Submit

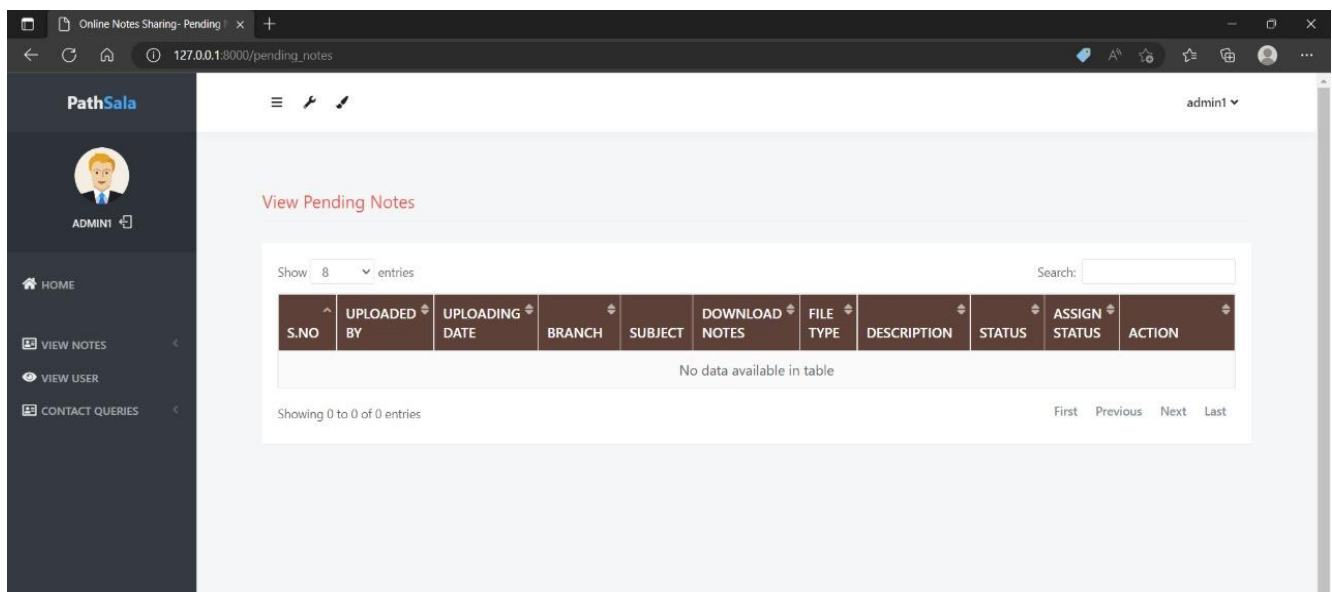
## Admin login

1.This is admin login page.

2.Here admin get login just by entering username and password.



## Pending notes



## Reject notes

The screenshot shows the 'View Rejected Notes' page in the PathSala application. The left sidebar contains the PathSala logo, a user profile for 'ADMIN1', and navigation links: HOME, VIEW NOTES, VIEW USER, and CONTACT QUERIES. The main content area has a title 'View Rejected Notes' and a search bar. Below the search bar is a table with 11 columns: S.NO, UPLOADED BY, UPLOADING DATE, BRANCH, SUBJECT, DOWNLOAD NOTES, FILE TYPE, DESCRIPTION, STATUS, ASSIGN STATUS, and ACTION. The table contains one entry with S.NO 1, uploaded by mk@gmail.com, on 2022-11-03, for Computer Science DSA, with a PPT file type, description 'SDE Sheet', and status 'Reject'. The 'DOWNLOAD NOTES' column has a green 'Download' button. The 'ASSIGN STATUS' column has a green 'Assign Status' button. The 'ACTION' column has a red 'Delete' button. At the bottom, it says 'Showing 1 to 1 of 1 entries' and has pagination links: First, Previous, 1, Next, Last.

S.NO	UPLOADED BY	UPLOADING DATE	BRANCH	SUBJECT	DOWNLOAD NOTES	FILE TYPE	DESCRIPTION	STATUS	ASSIGN STATUS	ACTION
1	mk@gmail.com	2022-11-03	Computer Science	DSA	<a href="#">Download</a>	PPT	SDE Sheet	Reject	<a href="#">Assign Status</a>	<a href="#">Delete</a>

## All notes

The screenshot shows the 'View All Notes' page in the PathSala application. The left sidebar is the same as the previous screenshot. The main content area has a title 'View All Notes' and a search bar. Below the search bar is a table with 11 columns: S.NO, UPLOADED BY, UPLOADING DATE, BRANCH, SUBJECT, DOWNLOAD NOTES, FILE TYPE, DESCRIPTION, STATUS, ASSIGN STATUS, and ACTION. The table contains six entries. The 'DOWNLOAD NOTES' column has a green 'Download' button for each entry. The 'ASSIGN STATUS' column has a green 'Assign Status' button for each entry. The 'ACTION' column has a red 'Delete' button for each entry. At the bottom, it says 'Showing 1 to 1 of 1 entries' and has pagination links: First, Previous, 1, Next, Last.

S.NO	UPLOADED BY	UPLOADING DATE	BRANCH	SUBJECT	DOWNLOAD NOTES	FILE TYPE	DESCRIPTION	STATUS	ASSIGN STATUS	ACTION
1	mk@gmail.com	2022-11-03	Computer Science	DSA	<a href="#">Download</a>	PPT	SDE Sheet	Reject	<a href="#">Assign Status</a>	<a href="#">Delete</a>
2	mgupta@gmail.com	2022-11-28	Computer Science	Computer Science	<a href="#">Download</a>	PDF	Code	Accept	<a href="#">Assign Status</a>	<a href="#">Delete</a>
3	mgupta@gmail.com	2022-11-29	Computer Science	python	<a href="#">Download</a>	PDF	code	Accept	<a href="#">Assign Status</a>	<a href="#">Delete</a>
4	mgupta@gmail.com	2022-11-29	Computer Science	Lecture Ppt	<a href="#">Download</a>	PPT	Lecture	Accept	<a href="#">Assign Status</a>	<a href="#">Delete</a>
5	mgupta@gmail.com	2022-11-29	Electronics	EE	<a href="#">Download</a>	PDF	Useful Resources	Accept	<a href="#">Assign Status</a>	<a href="#">Delete</a>
6	gurnoor1@gmail.com	2022-11-29	Computer Science	UI/UX	<a href="#">Download</a>	PDF	resources	Accept	<a href="#">Assign Status</a>	<a href="#">Delete</a>



## Queries

PathSala

admin1

### Unread Queries

Show 8 entries

Search:

S.NO	NAME	EMAIL ID	CONTACT NUMBER	ACTION
1	Rakesh	r@gmail.com	9854335353	<a href="#">View Details</a>

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

## User details

PathSala

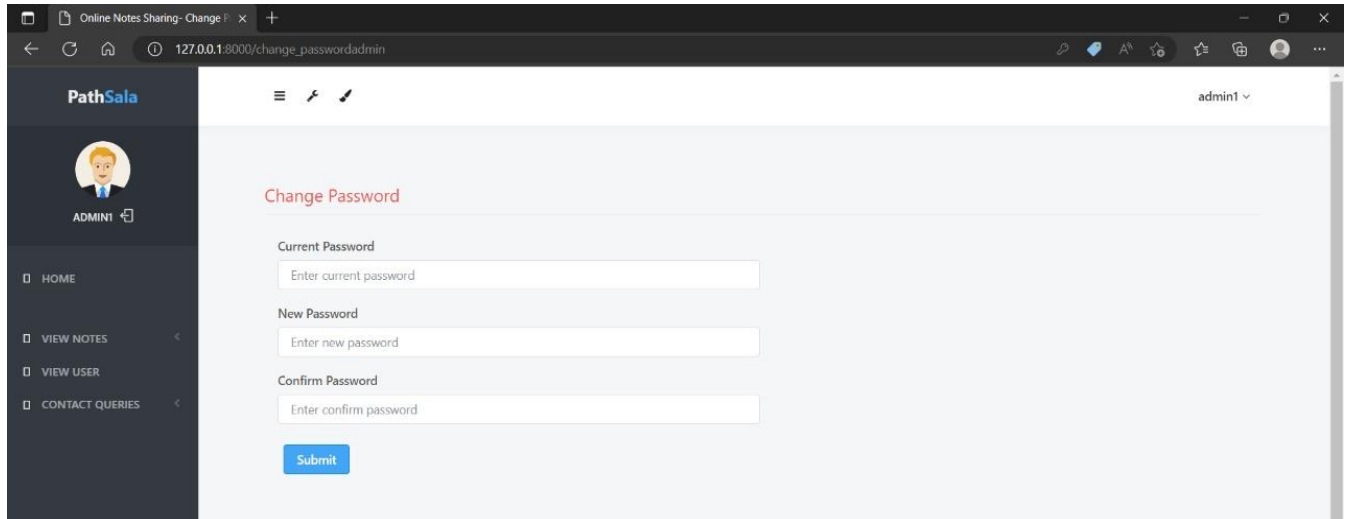
admin1

S.NO	FULL NAME	EMAIL ID	CONTACT	BRANCH	ROLE	ACTION
1	Mithlesh Kumar Gupta	m@gmail.com	8264291788	Computer Science	Student	Delete
2	ABC D	abd@gmail.com	7367243433	Computer Science	Student	Delete
3	Rhythm Verma	rhytm@gmail.com	364732343	Computer Science	Student	Delete
4	Rhythm V	rhythm@thapar.com	365543284	Computer Science	Student	Delete
5	Mithlesh Gupta	mk@gmail.com	8264291788	Computer Science	Student	Delete
6	Nidhi Sonkhla	nidhi@gmail.com	5848739222	Computer Science	Student	Delete
7	Kabir K	kabir@gmail.com	8264291788	Computer Science	Student	Delete
8	Aradhya S	aradhya@gmail.com	989545344	Computer Science	Student	Delete
9	Mithlesh Gupta	mgupta@gmail.com	8234543623	Civil	Student	Delete
10	Gurnoor kaur	gurnoor1@gmail.com	8769435234	Mechanical	Student	Delete

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

## Admin password change



The screenshot shows the 'Change Password' page in the PathSala admin interface. The browser address bar shows '127.0.0.1:8000/change\_passwordadmin'. The left sidebar contains the PathSala logo, a user profile for 'ADMIN1', and navigation links for HOME, VIEW NOTES, VIEW USER, and CONTACT QUERIES. The main content area has a title 'Change Password' and three input fields: 'Current Password' (placeholder: 'Enter current password'), 'New Password' (placeholder: 'Enter new password'), and 'Confirm Password' (placeholder: 'Enter confirm password'). A blue 'Submit' button is located below the input fields.

## Admin home page

