

ONLINE STUDY NOTES PORTAL STUDOC CLONE

A PROJECT REPORT SUBMITTED IN PARTIAL FULFILMENT OF REQUIREMENT
FOR THE AWARD OF THE DEGREE

MASTER OF COMPUTER APPLICATIONS (MCA)

OF

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

By

**HEMA PRABHA M
Reg No: 22PMC126**



MAKING COMPLETE

Marian College Kuttikkanam (Autonomous)

Peermade, Kerala – 685 531

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Under the guidance of
Mrs. RENY JOSE
Assistant Professor
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PG DEPARTMENT OF COMPUTER APPLICATIONS

Marian College Kuttikanam (Autonomous)

[MAHATMA GANDHI UNIVERSITY, KOTTAYAM]

KUTTIKKANAM – 685 531, KERALA.

CERTIFICATE

This is to certify that the project work entitled

“ONLINE STUDY NOTES PORTAL”

is a bonafide record of work done by

HEMA PRABHA M

Reg. No: - 22PMC126

In partial fulfillment of the requirements for the award of Degree of

MASTER OF COMPUTER APPLICATIONS [MCA]

During the academic year 2022 - 2024.

Mrs. RENY JOSE

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Examiner's Signature

ACKNOWLEDGEMENT

First of all, I thank the “God Almighty” for his immense grace and blessings in my life and at each stage of my project work

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HEMA PRABHA M

ABSTRACT

An online study notes(material) portal is a digital platform that provides users with free access to various educational resources. The website is designed to cater to the needs of users of all ages and backgrounds, making it easy for them to download study materials and excel in their studies. The online study material portal is a collaborative platform that allows users to contribute their own study materials to the website, creating a vast library of resources that can benefit students as well as other users all over the world.

One of the primary advantages of an online study notes(material) portal is its accessibility. Users can access study materials at any time and from anywhere, as long as they have an internet connection. The platform provides a convenient and flexible way for students to learn, enabling them to study at their own pace and on their own schedule. The portal is also user-friendly, with a simple interface that makes it easy for users to navigate through the collection of study materials.

In addition to the extensive library of user-generated content, our portal offers a wide range of online courses to cater to diverse learning needs. We understand that education should be accessible to all, which is why we provide a combination of free and paid courses, ensuring flexibility and affordability for every user. Whether you're looking to enhance your skills, explore new subjects, or prepare for exams, our online courses offer expert instruction and engaging content to support your academic goals.

OBJECTIVE AND SCOPE

An online study notes/materials portal aims to provide students with an easily accessible and centralized platform to access high-quality study resources, such as lecture notes and educational videos. The scope of such a portal may include resources for a wide range of academic subjects and levels, from elementary to post-graduate education. The objective is to enhance the learning experience of students by facilitating self-paced learning, encouraging collaboration among peers, and promoting effective study habits. Additionally, an online study notes/materials portal can also serve as a useful resource for educators to supplement their teaching and assessment activities

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1. INTRODUCTION

1.1 PROBLEM STATEMENT

One of the main problems facing online study notes/materials portals is ensuring the quality and reliability of the content provided. With the abundance of information available online, it can be challenging for students to filter out low-quality or misleading resources, leading to wasted time and potentially harming their learning outcomes. Moreover, the accessibility and affordability of such resources can also be a concern, particularly for students from underprivileged backgrounds. Therefore, the problem statement is to develop an online study notes/materials portal that provides high-quality, reliable, and accessible resources to all students, irrespective of their socio-economic background, to improve their learning outcomes.

1.2 PROPOSED SYSTEM

The proposed system for an online study notes/materials portal aims to address the aforementioned problem by implementing a comprehensive framework for content curation and evaluation. The portal will feature a robust review process that verifies the credibility and quality of submitted resources before making them available to students. Additionally, the system will incorporate advanced search and filtering functionalities that allow students to easily find relevant resources based on their needs and preferences. To improve accessibility, the proposed system will be free to use and will include a range of resources for students of all levels and backgrounds. The portal will also promote community engagement and collaboration by allowing students to interact with each other, share resources, and participate in online discussions.

1.3 FEATURES OF PROPOSED SYSTEM

- Content Curation: A rigorous review process that ensures the quality, reliability, and credibility of all resources available on the portal.
- Advanced Search and Filtering: A user-friendly search interface that allows students to easily find relevant resources based on their preferences and needs.
- Resource Diversity: A diverse range of resources such as lecture notes and interactive learning activities, to cater to students and users of online study notes portal of different academic levels and backgrounds.
- Accessibility: Free access to all resources, promoting equity and accessibility for all students, and others regardless of their socio-economic background.
- Mobile Optimization: A responsive design that enables students to access the portal on a range of devices, including smartphones and tablets, allowing for learning on-the-go.

2. FUNCTIONAL **REQUIREMENTS**

FUNCTIONAL REQUIREMENTS

- Registration :- registration of user , admin ,restaurant owner/staff for using food ordering website
- Login:-The customer and admin, restaurant owner/staff login to the system using user id and password for food ordering/adding/removing food items
- Add/Edit file:-User can add, edit, upload and delete files
- Edit profile:- User can edit their profile details
- Add to favorites:-User can add searched files to their favorite list
- Search :-User can search files which are required for them
- Notifications:-Notifications of other users posting documents and new course
- Rating:-user can rate the courses
- Payment:-user can enroll for paid courses by doing online payment
- Add/Edit course:-Admin can add, edit, upload and delete courses
- Add/edit tags:- Admin can add, edit the tags for courses
- Add/edit prerequisites:- Admin can add, edit the tags for courses
- Add/edit learnings:- Admin can add, edit the learning for courses

3.NON **FUNCTIONAL** **REQUIREMENTS**

NON FUNCTIONAL REQUIREMENTS

- Portability:-System running on one platform can easily be converted to run on another platform
- Reliability:-The ability of the system to behave consistently in a user-acceptable manner when operating within the environment for which the system was intended
- Availability:-The system should be available at all times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs
- Maintainability:- A commercial database is used for maintaining the database and the application server takes care of the site
- Security:-Secure access of confidential data(Customer information)
- User-friendly:-System should be easily used by the customer
- Performance:-Performance should be fast
- Efficient:-System should be efficient that it won't get hang if heavy traffic of order is placed
- Safety :-Data in the database of system should not loss or damage
- Privacy:-Personal data of the system should not disclose to anyone

4.FEATURES **AND** **HIGHLIGHTS**

FEATURES AND HIGHLIGHTS

- **Add to favorites:-**User can add searched files to their favorite list
- **Search :-**User can search files which are required for them
- **Notifications:-**Notifications of other users posting documents
- **Rating:-**user can rate the courses after they have completed the course based on its proficiency
- **Payment:-**user can enroll for paid courses by doing online payment
- **Certificate generator:-**After course completion user can get the certificate

5. TECHNICAL ASPECTS

5.1 ARCHITECTURE OF PROJECT

1. Presentation Layer:- Templates: HTML templates are used to define the structure and layout of the user interface. Django's template engine allows you to dynamically populate the templates with data.

2. Application Layer:- Controllers: In Django, controllers are implemented as views, which handle the request/response flow and control the overall behavior of the application.

3. Business Logic Layer:- Models: Django's models define the data structure and business logic of the application. Models represent entities like users, bookings, flights, hotels, etc. They handle database operations, such as querying, inserting, updating, and deleting data. Models can also include methods to perform complex business logic.

4. Jazzmin:- Django Jazzmin is a customizable and modern admin interface for Django applications. It provides an alternative user interface for the Django admin site with a more visually appealing design and additional features. Jazzmin aims to enhance the user experience and improve the productivity of developers working with Django. By installing and configuring django-jazzmin in your Django project, you can customize the admin interface by changing themes, layouts, icons, and other visual elements. It offers features such as responsive design, drag-and-drop sorting, inline editing, and support for various third-party Django packages. To use Django Jazzmin, you typically need to install it using a package manager like pip, add it to your Django project's settings, and configure it according to your preferences.

Here's a basic example of how to install Django Jazzmin using pip:

pip install django-jazzmin

Once installed, you would need to add 'jazzmin' to the INSTALLED_APPS list in your Django project's settings.py file:

```
INSTALLED_APPS = [  
    ...  
    'jazzmin',  
    ...
```

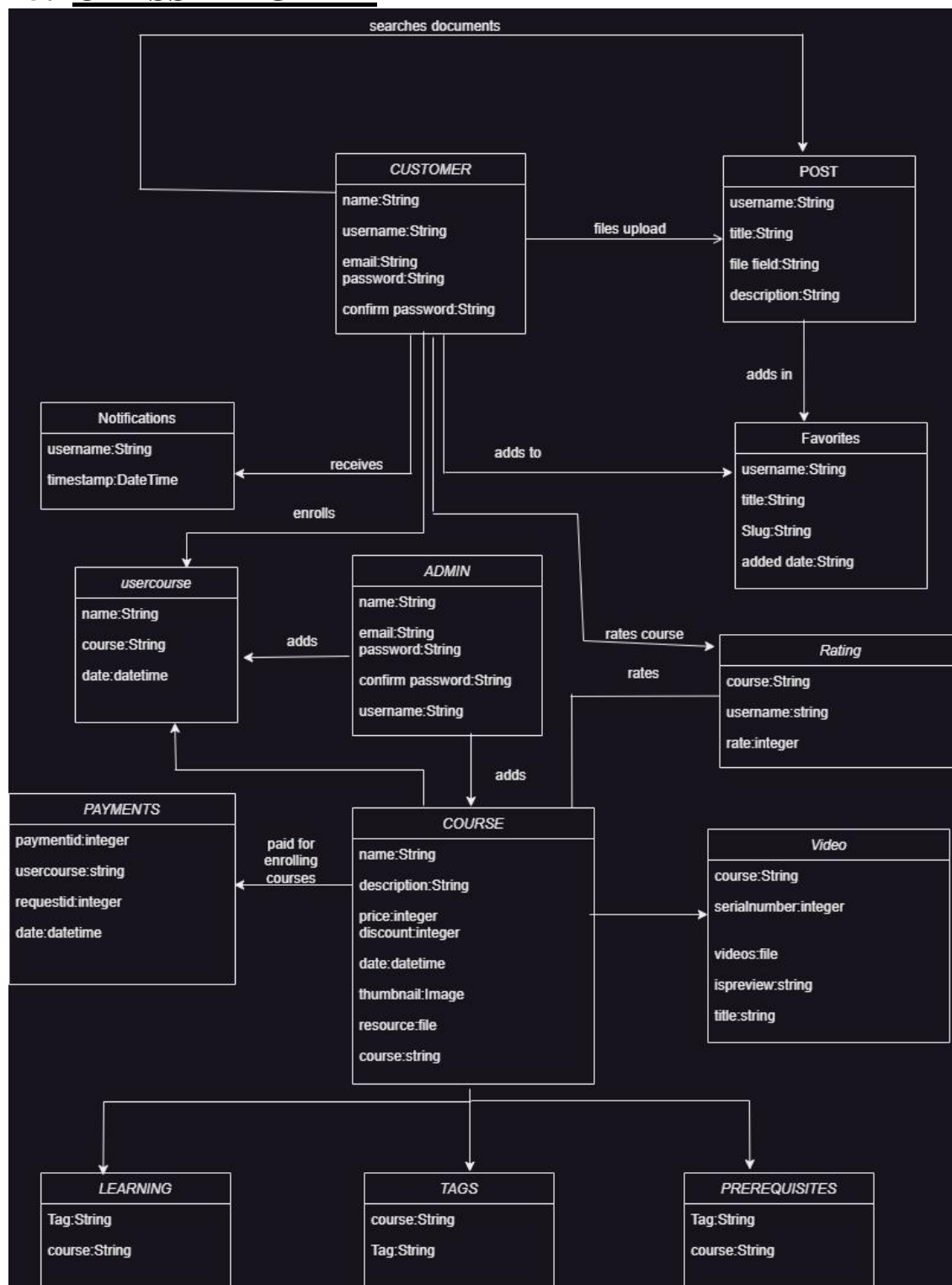
]

Afterwards you can customize Django Jazzmin by modifying the settings in your Django project's settings.py file.

5. Data Access Layer:- Database: Django integrates with various databases, allowing you to define and manage the application's data schema. You can use Django's Object-Relational Mapping(ORM) to interact with the database and perform CRUD operations.

6. Database Models:- Django's models serve as both business logic entities and database models. They define the structure of the database tables and provide an abstraction layer for interacting with the database .

5.2 CLASS DIAGRAM



6. CHALLENGES

1.User Experience and Design:-

Designing an intuitive and user-friendly interface for users and administrators is crucial. Ensuring a smooth user experience, from search and uploading documents to manage details can be challenging, particularly dealing with complex workflows and large data sets.

2. User Authentication and Authorization:-

Online study notes portal typically requires user registration, login, and role-based access control. Implementing secure authentication and authorization mechanisms can be complex, especially when dealing with user roles and permissions and assigning appropriate privileges, ensuring that users can edit and access notes based on their username/roles thus maintaining data security and privacy.

3.Validation and mechanisms:-

Implementing validation mechanisms helps ensure that user input is accurate and consistent. You need to validate user data at various stages, such as during registration, login. Validation can include for checking validation in email, password, username etc.

4.Database Management:-

Designing an efficient database schema and managing the database operations can be complex. You need to carefully plan the structure of your database, define relationships between entities handle data integrity, and optimize queries for performance.

7.FUTURE **ENHANCEMENTS**

1.RECENT DOCUMENTS:-

The system should track and store information about recently accessed or modified documents

2.VIDEOCHAT:-

Users who are using online study notes portal can chat with experts by video call for clearing their doubts with experts by paying .

3.ONLINE DEGREE COURSES:-

To collaborate with universities to provide online degree courses at affordable price

4. Question and answer discussion community:-

In this users can discuss their doubts as a question or uploading the document/s to the group to get answers.

5.Quiz:-

In this quiz are provided in each course based on the video lessons of each course.

6.Certificate generator:-

After completion of quiz provided in the course user can get the certificate

8.CONCLUSION

In conclusion, an online study materials portal that offers free notes and online courses has the potential to revolutionize the way individuals access educational resources. By providing a vast collection of study notes, personalized learning experiences, and interactive tools, such a portal can empower learners to acquire knowledge and enhance their skills. The challenges faced during development, ranging from content management to scalability, can be overcome through careful planning and continuous improvement. With future enhancements like enhanced personalization, interactive learning tools, and integration of emerging technologies, the online study materials portal can continue to evolve and provide an engaging and accessible learning platform for users worldwide. Overall, the online study materials portal holds tremendous promise in making education more accessible and fostering lifelong learning.

GITHUB REPOSITORY LINK:- <https://github.com/naughtygirlzz/ONLINE-STUDY-NOTES>

9. REFERENCES

1)CHATGPT

2)STACK OVERFLOW

3) <https://dev.to/madhubankhatri/file-share-website-updated-version-django-project--1akp>

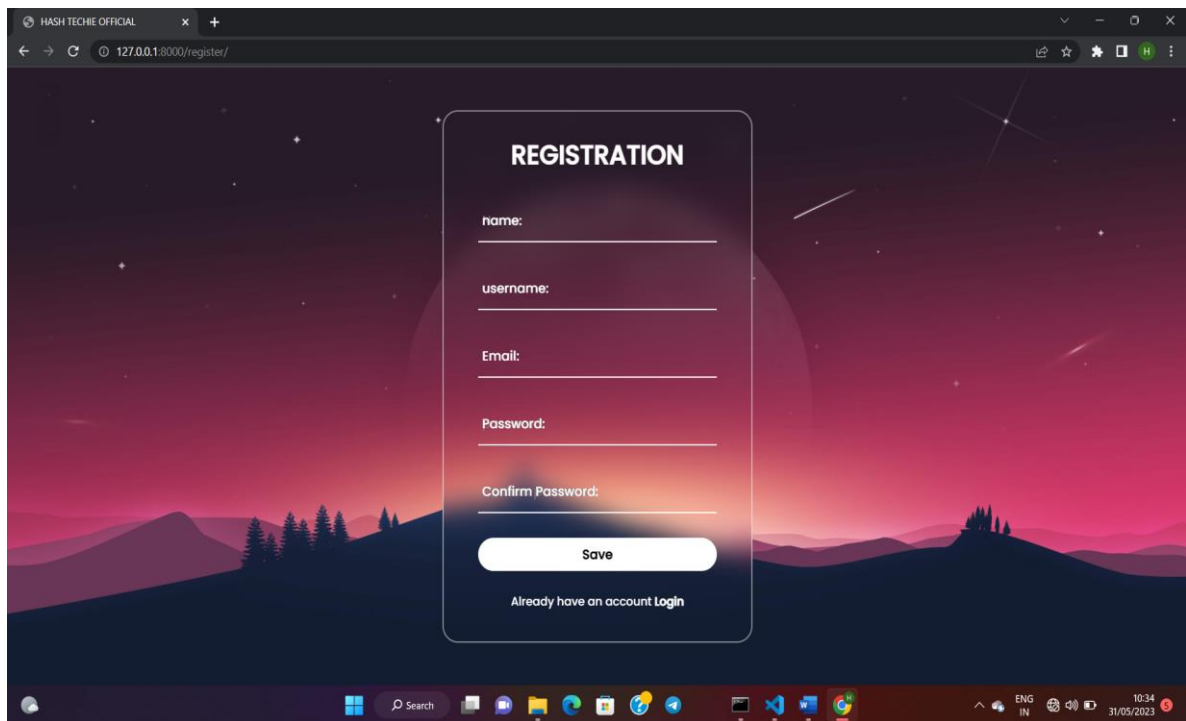
4) https://studygyaan.com/django/django-crud-create-retrieve-update-delete-function-based-views?ez_vid=057433bf2d2159c8bbffbfba9f36d35506722b432a927934e289e372eeb9a0f9#ezoic-pub-video-placeholder-3998

5) <https://www.studocu.com/en-us/home>

ANNEXURE

A. SCREENSHOTS

Registration Page



A screenshot of a web browser displaying the registration page of 'HASH TECHIE OFFICIAL'. The browser's address bar shows the URL '127.0.0.1:8000/register/'. The page features a dark, atmospheric background with a pink and purple gradient, silhouettes of mountains and trees, and a starry sky. A central white registration form is overlaid on the background. The form includes the title 'REGISTRATION' and five input fields labeled 'name:', 'username:', 'Email:', 'Password:', and 'Confirm Password:'. Below these fields is a white 'Save' button. At the bottom of the form, there is a link that says 'Already have an account Login'. The Windows taskbar is visible at the bottom of the browser window, showing various application icons and the system clock indicating 10:34 on 31/05/2023.

HASH TECHIE OFFICIAL

127.0.0.1:8000/register/

REGISTRATION

name: _____

username: _____

Email: _____

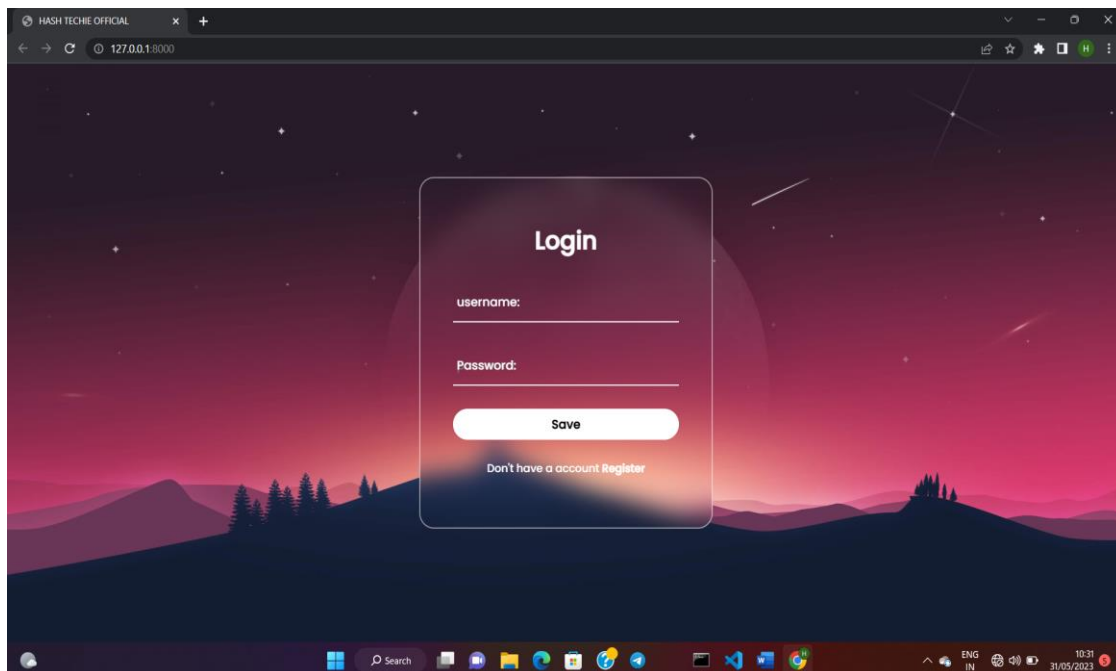
Password: _____

Confirm Password: _____

Save

Already have an account [Login](#)

Login Page



A screenshot of a web browser displaying the login page of 'HASH TECHIE OFFICIAL'. The browser's address bar shows the URL '127.0.0.1:8000'. The page features the same dark, atmospheric background as the registration page. A central white login form is overlaid on the background. The form includes the title 'Login' and two input fields labeled 'username:' and 'Password:'. Below these fields is a white 'Save' button. At the bottom of the form, there is a link that says 'Don't have an account Register'. The Windows taskbar is visible at the bottom of the browser window, showing various application icons and the system clock indicating 10:31 on 31/05/2023.

HASH TECHIE OFFICIAL

127.0.0.1:8000

Login

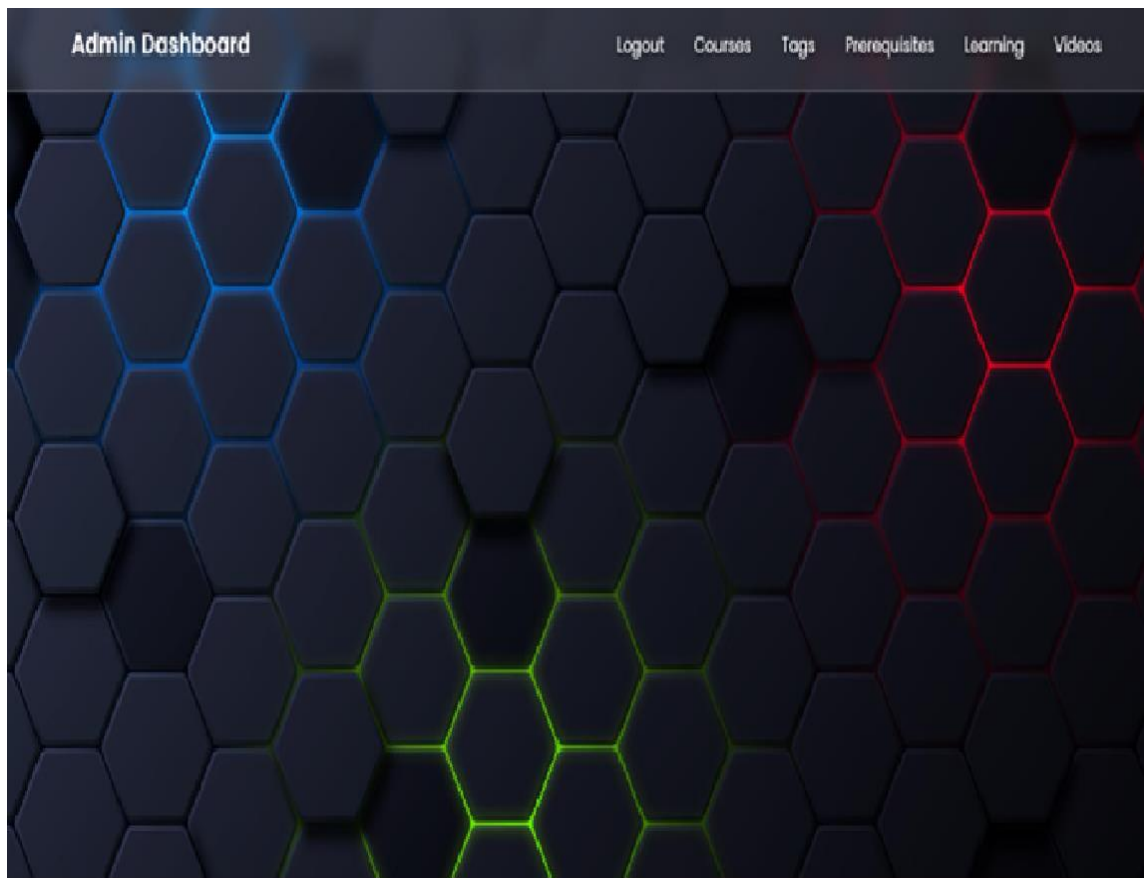
username: _____

Password: _____

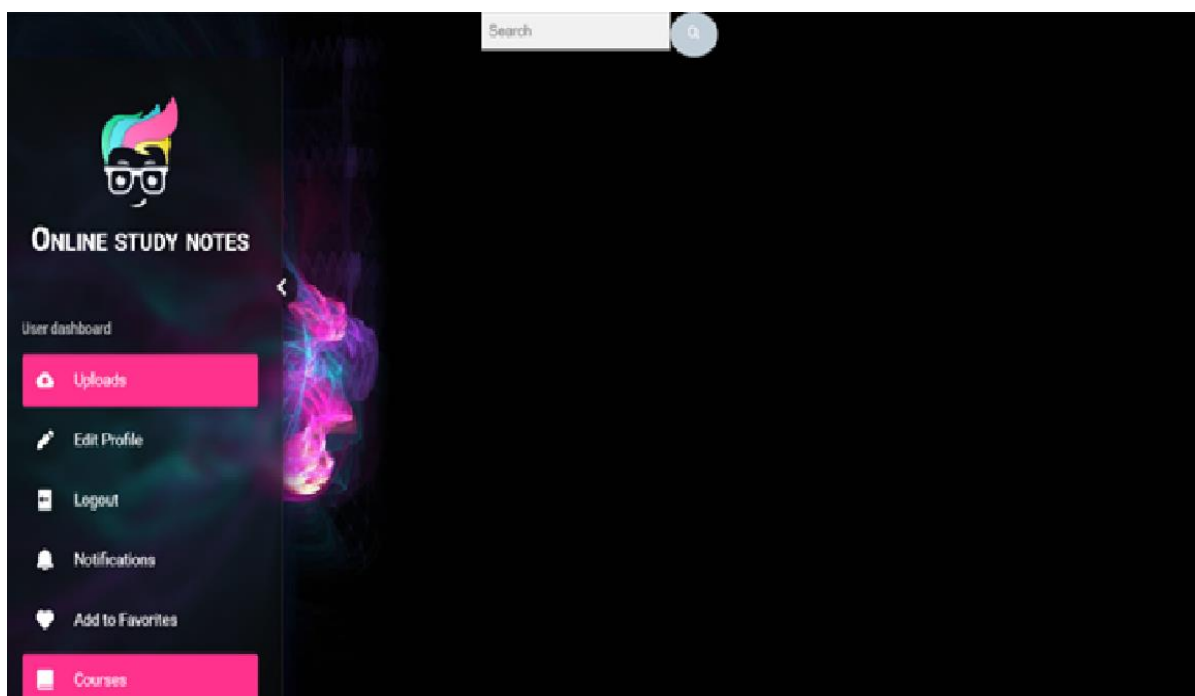
Save

Don't have an account [Register](#)

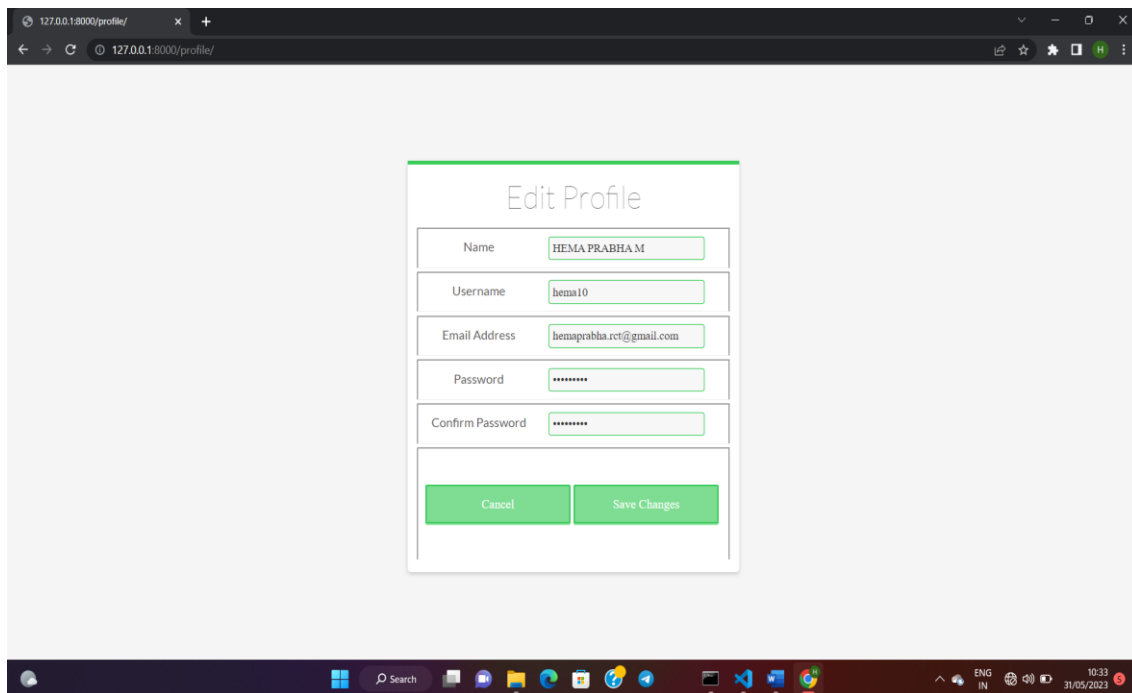
Admin Dashboard Page



User Dashboard Page



User Edit Profile Page

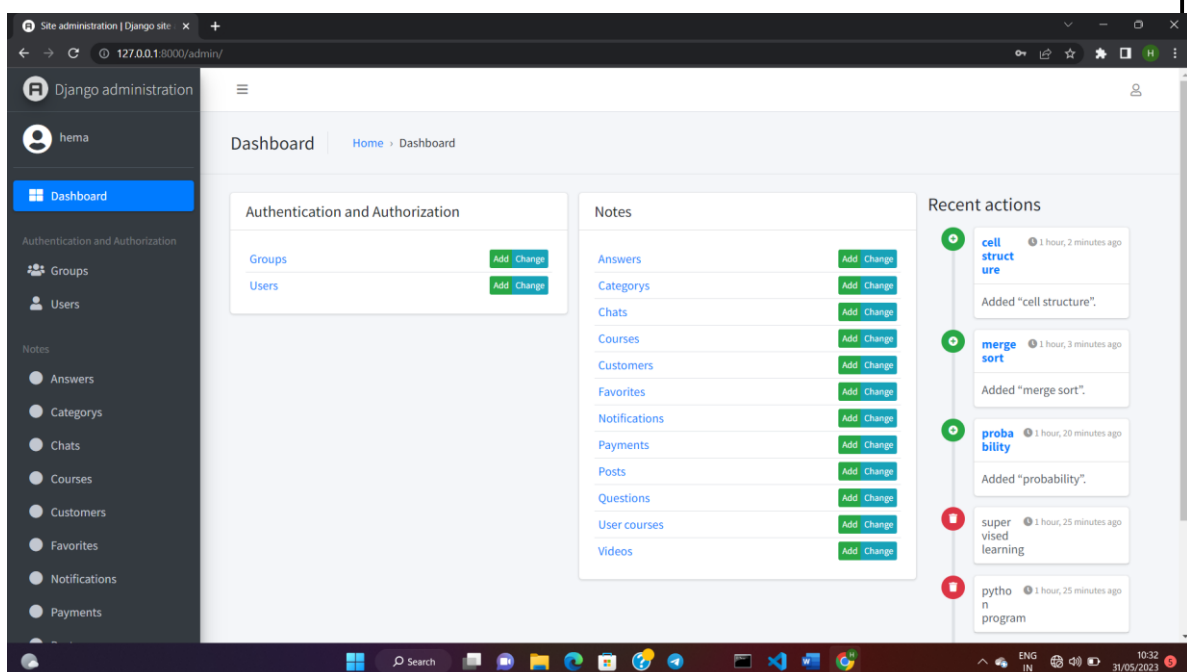


The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/profile/". The main content area features a form titled "Edit Profile". The form contains the following fields:

- Name: HEMA PRABHAM
- Username: hema10
- Email Address: hema10rct@gmail.com
- Password: (masked with dots)
- Confirm Password: (masked with dots)

At the bottom of the form are two buttons: "Cancel" and "Save Changes". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons, with the system clock indicating 10:33 on 31/05/2023.

Admin panel



The screenshot displays the Django administration interface in a web browser. The address bar shows "127.0.0.1:8000/admin/". The left sidebar contains the following navigation items:

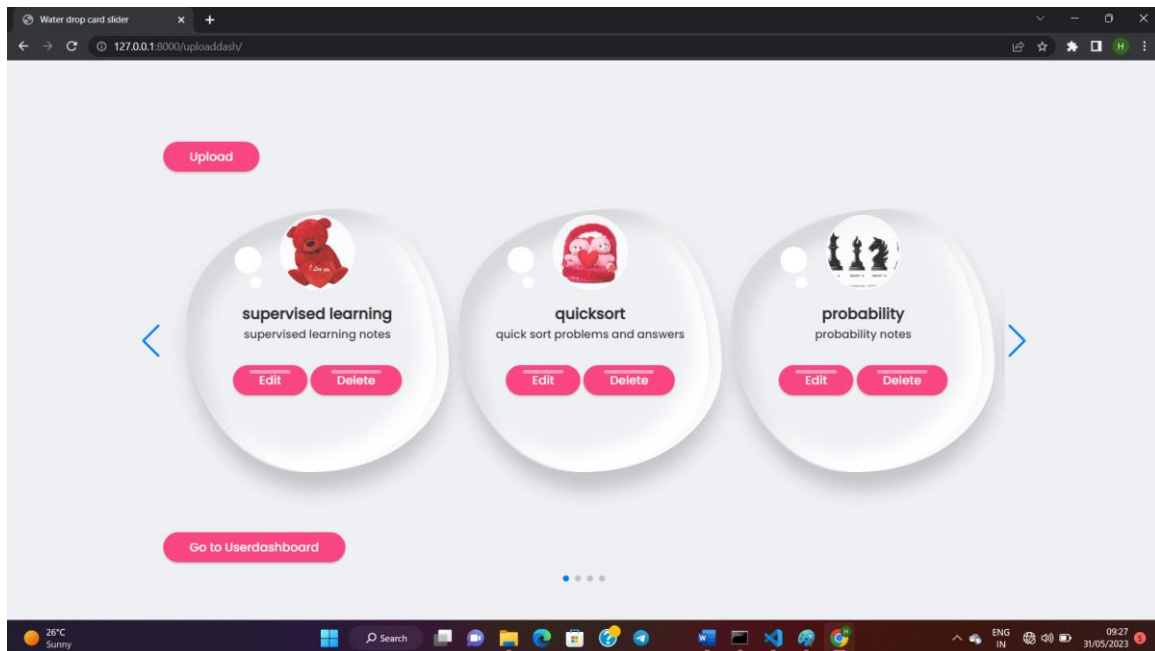
- hema (user profile)
- Dashboard (selected)
- Authentication and Authorization
 - Groups
 - Users
- Notes
 - Answers
 - Categories
 - Chats
 - Courses
 - Customers
 - Favorites
 - Notifications
 - Payments

The main content area is titled "Dashboard" and includes the following sections:

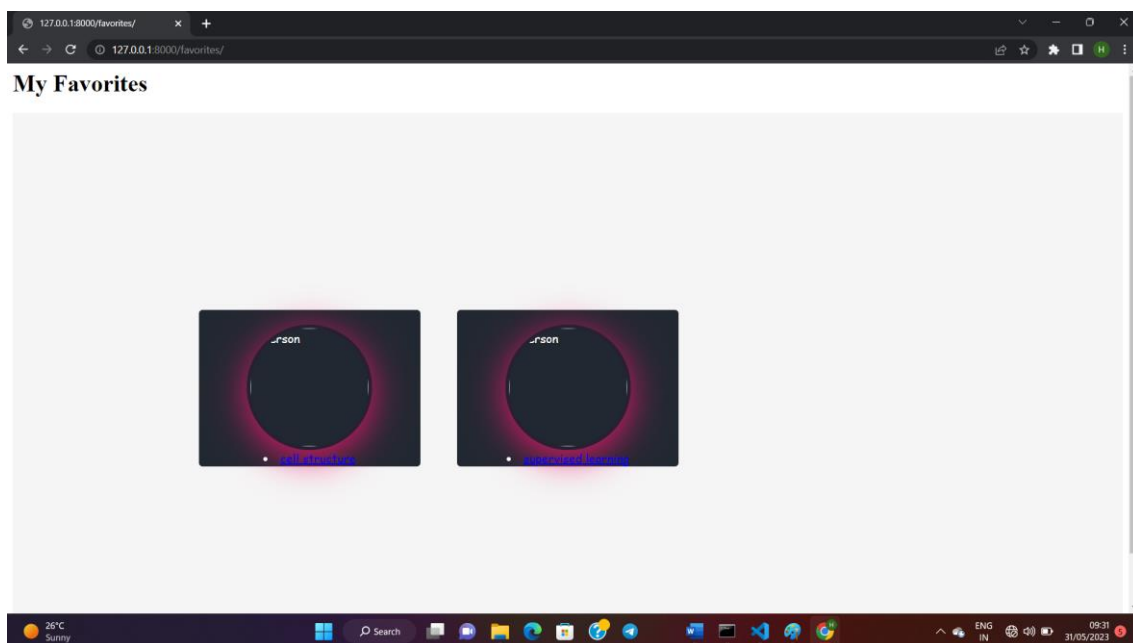
- Authentication and Authorization:** Links for Groups and Users, each with "Add" and "Change" buttons.
- Notes:** A list of various content types, each with "Add" and "Change" buttons: Answers, Categorys, Chats, Courses, Customers, Favorites, Notifications, Payments, Posts, Questions, User courses, and Videos.
- Recent actions:** A log of recent database changes, including:
 - Added "cell structure".
 - Added "merge sort".
 - Added "probability".
 - super vised learning.
 - pytho n program.

The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons, with the system clock indicating 10:32 on 31/05/2023.

Upload Dashboard page



My favorites page



Pdf Upload page

127.0.0.1:8000/upload/

127.0.0.1:8000/upload/

Upload PDF

Title	unsupervised learning
Category	machine learning
Thumbnail	Choose File cards.jpg
PDF	Choose File ans.pdf
Description	unsupervised notes

Cancel Save

26°C Sunny

Search

ENG IN

09:33 31/05/2023

Edit pdf page

127.0.0.1:8000/edit/5/

127.0.0.1:8000/edit/5/

Edit PDF

Title	supervised learning
Category	machine learning
Thumbnail	Choose File No file chosen
PDF	Choose File No file chosen
Description	supervised learning notes

Cancel Save Changes

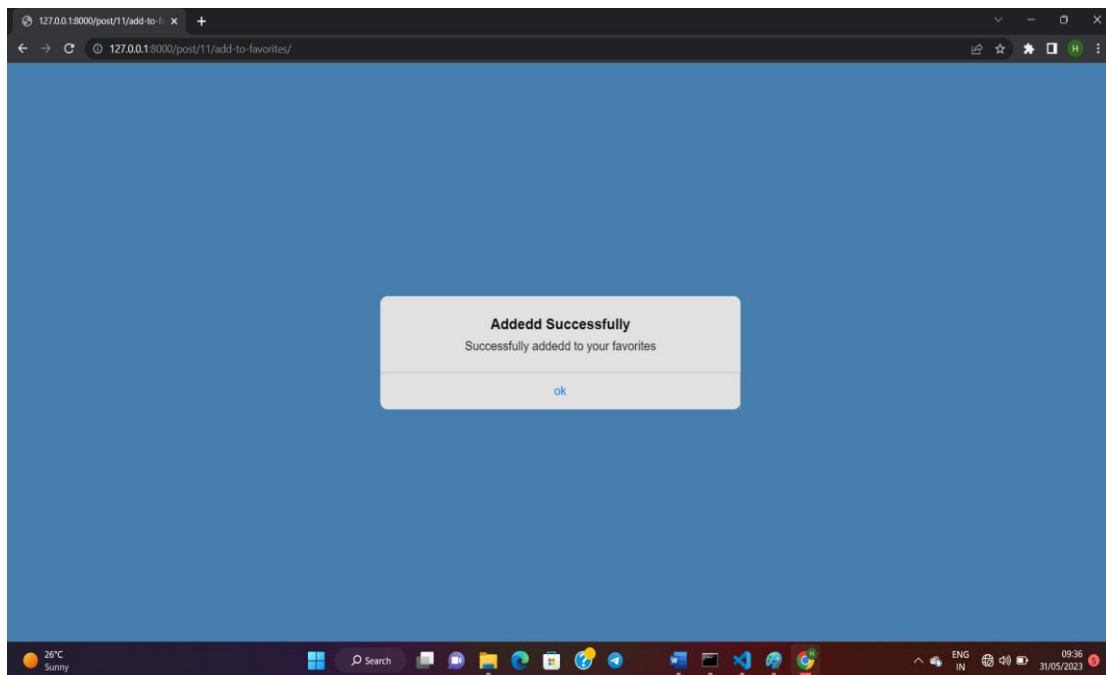
26°C Sunny

Search

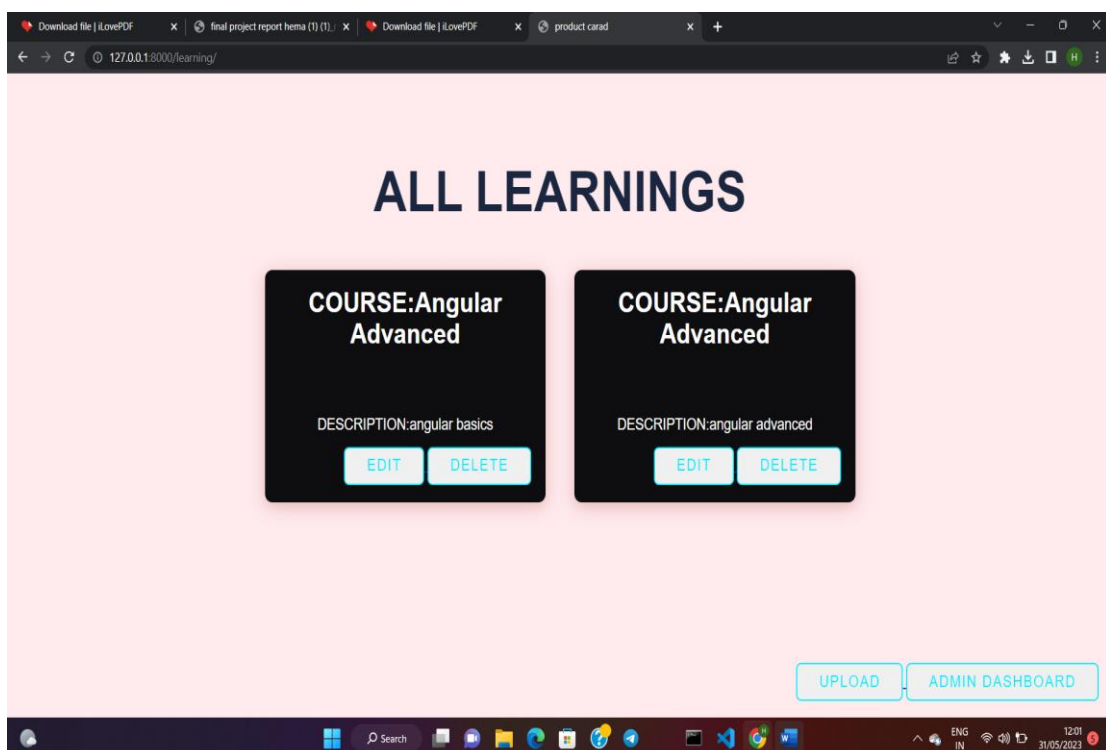
ENG IN

09:34 31/05/2023

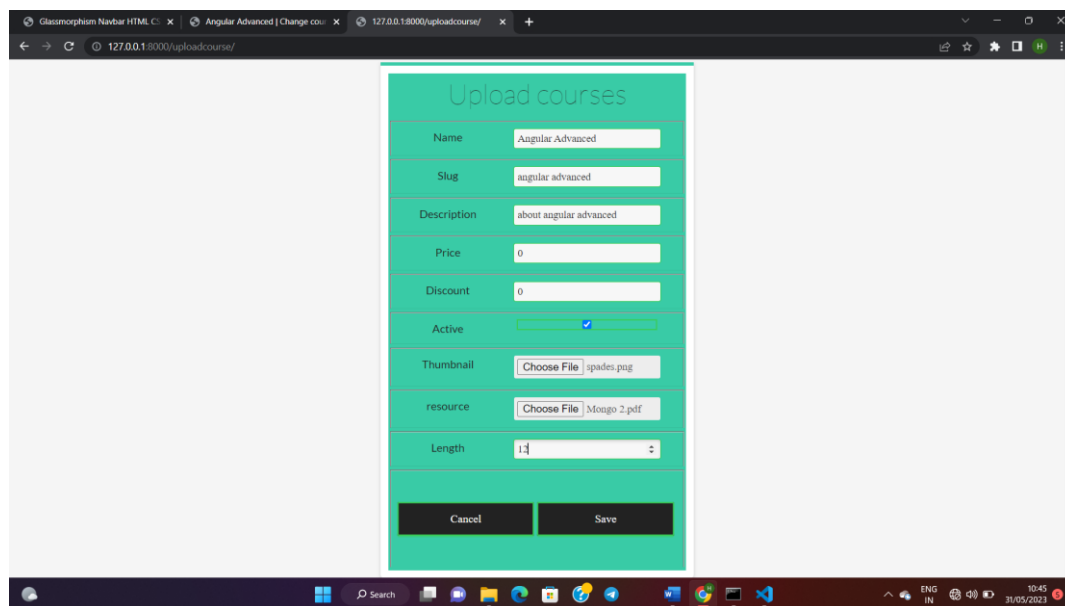
Pop up page



Learning dashboard page

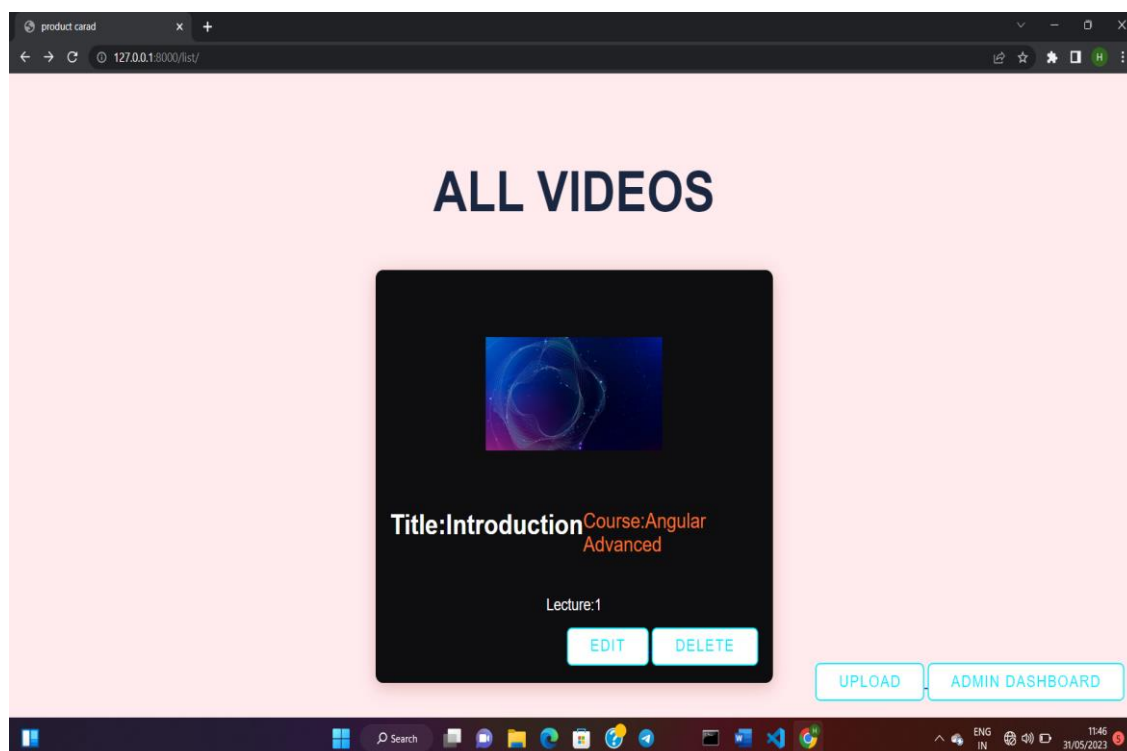


Course Upload page



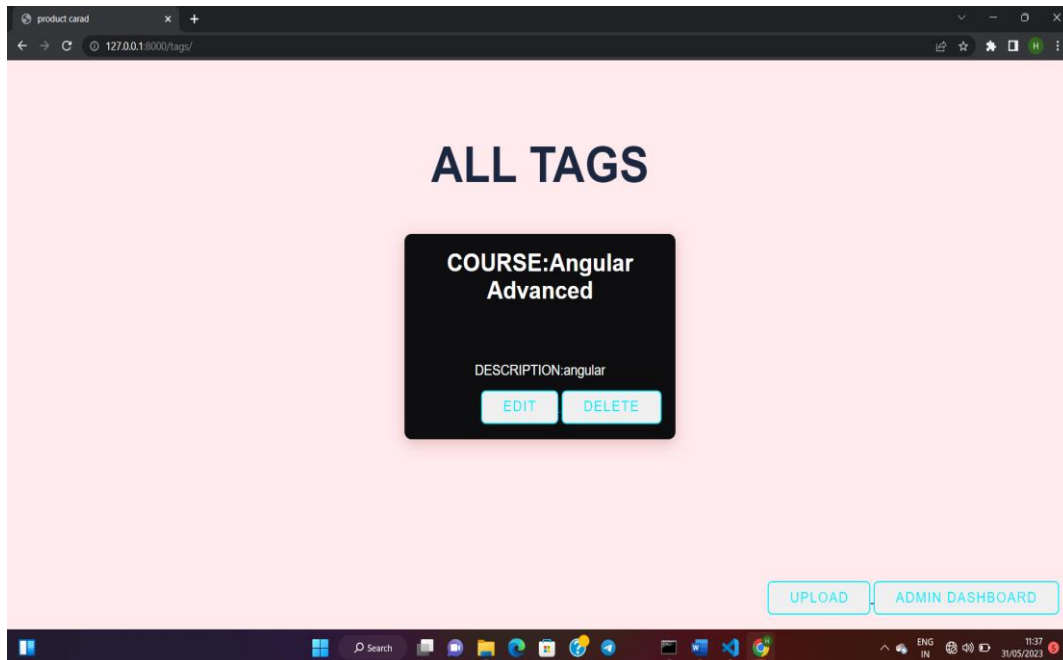
A screenshot of a web browser showing the 'Upload courses' form. The form is a teal-colored modal with the title 'Upload courses' at the top. It contains several input fields: 'Name' (filled with 'Angular Advanced'), 'Slug' (filled with 'angular advanced'), 'Description' (filled with 'about angular advanced'), 'Price' (filled with '0'), 'Discount' (filled with '0'), 'Active' (a checked checkbox), 'Thumbnail' (with a 'Choose File' button and 'spades.png' text), 'resource' (with a 'Choose File' button and 'Mongo 2.pdf' text), and 'Length' (a dropdown menu showing '1:1'). At the bottom of the form are 'Cancel' and 'Save' buttons. The browser's address bar shows '127.0.0.1:8000/uploadcourse/'. The Windows taskbar at the bottom shows the date as 31/05/2023 and time as 10:45.

Video Dashboard page



A screenshot of a web browser showing the 'ALL VIDEOS' dashboard. The page has a light pink background. At the top, the text 'ALL VIDEOS' is displayed in large, bold, dark blue letters. Below this, there is a video player thumbnail with a blue and purple abstract image. Under the thumbnail, the text 'Title:Introduction' is in white, and 'Course:Angular Advanced' is in orange. Below that, 'Lecture:1' is in white. At the bottom of the video player area are 'EDIT' and 'DELETE' buttons. To the right of the video player are 'UPLOAD' and 'ADMIN DASHBOARD' buttons. The browser's address bar shows '127.0.0.1:8000/list/'. The Windows taskbar at the bottom shows the date as 31/05/2023 and time as 11:46.

Tag Dashboard page



Prerequisite Dashboard page

