

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



**MARIAN COLLEGE
KUTTIKANAM**

(AUTONOMOUS)

MAKING COMPLETE

Marian College Kuttikkanam (Autonomous)

Peermade, Kerala – 685 531

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Under the guidance of
Mrs. RENY JOSE
Assistant Professor
PG Department of Computer Applications
Marian College Kuttikkanam (Autonomous)



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PG DEPARTMENT OF COMPUTER APPLICATIONS

Marian College Kuttikanam (Autonomous)

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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

Assistant Professor

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Examiner's Signature

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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
- Certificate generator:-After course completion user can get the certificate
- Add/Edit course:-Admin can add, edit, upload and delete courses
- Add/edit tags:- Admin can add, edit their tags for courses
- Add/edit prerequisites:- Admin can add, edit their tags for courses
- Add/edit learnings:- Admin can add, edit their 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',  
    ...
```

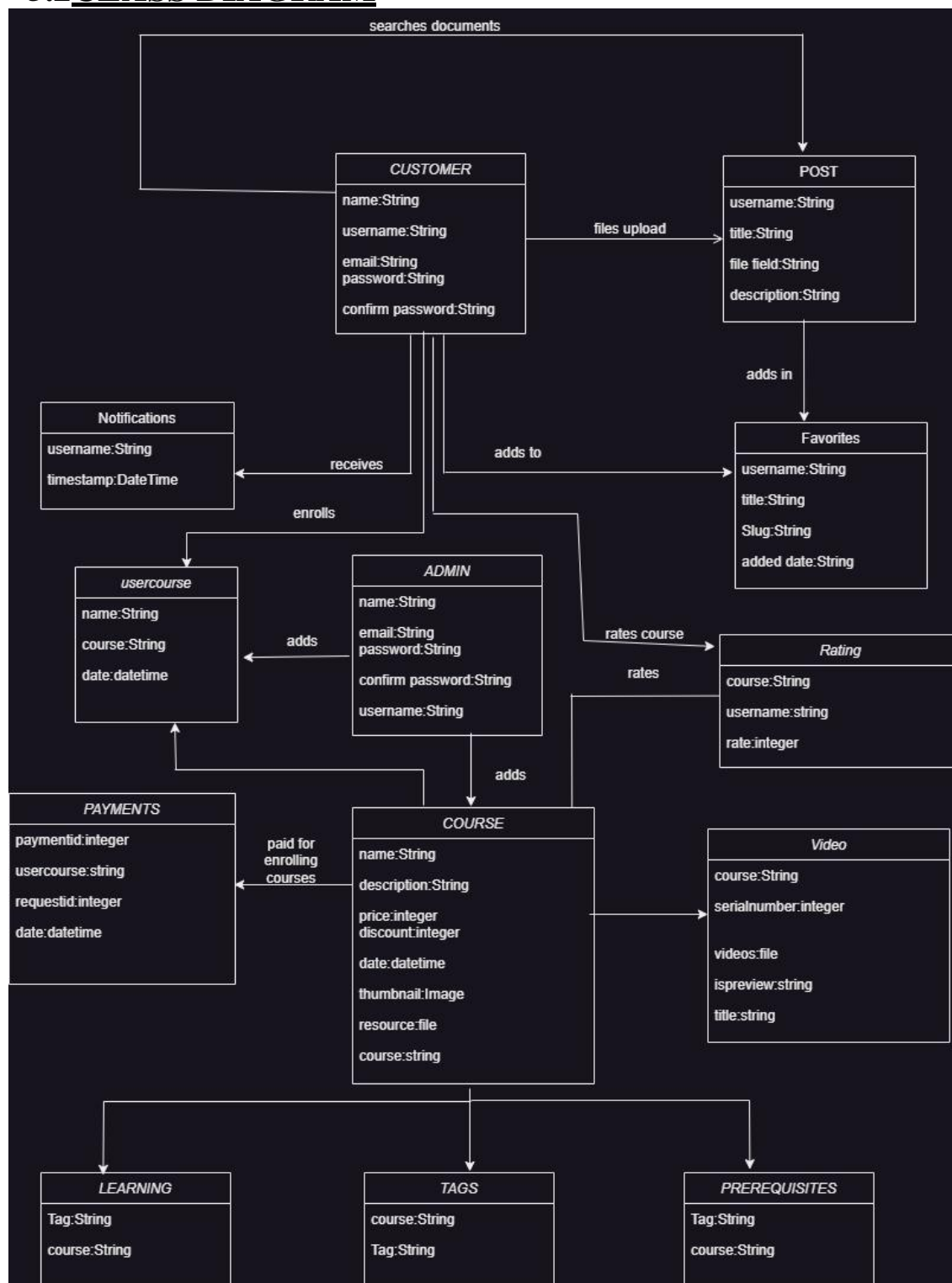
]

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 discussing community:-

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

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>

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

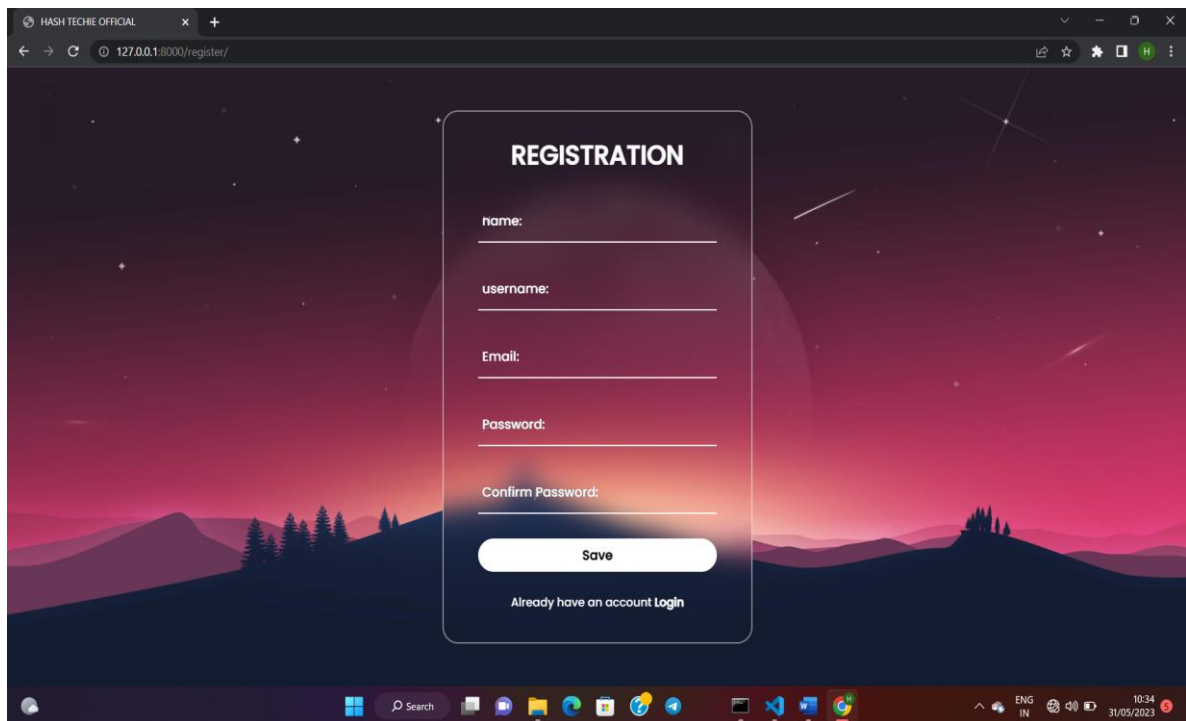
4) https://studygyaan.com/django/django-crud-create-retrieve-update-delete-function-based-views?ez_vid=057433bf2d2159c8bbffbfba9f36d35506722b432a927934e289e372eeb9a0f9#ezoic-pub-video-placeholder-3998

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

ANNEXURE

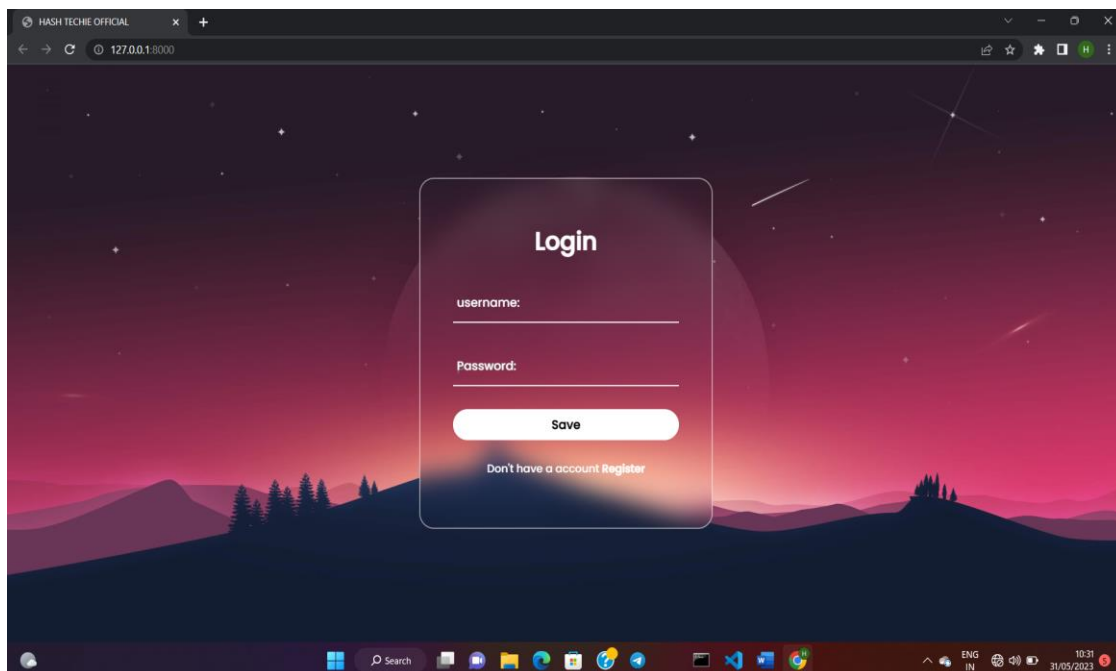
A. SCREENSHOTS

Registration Page



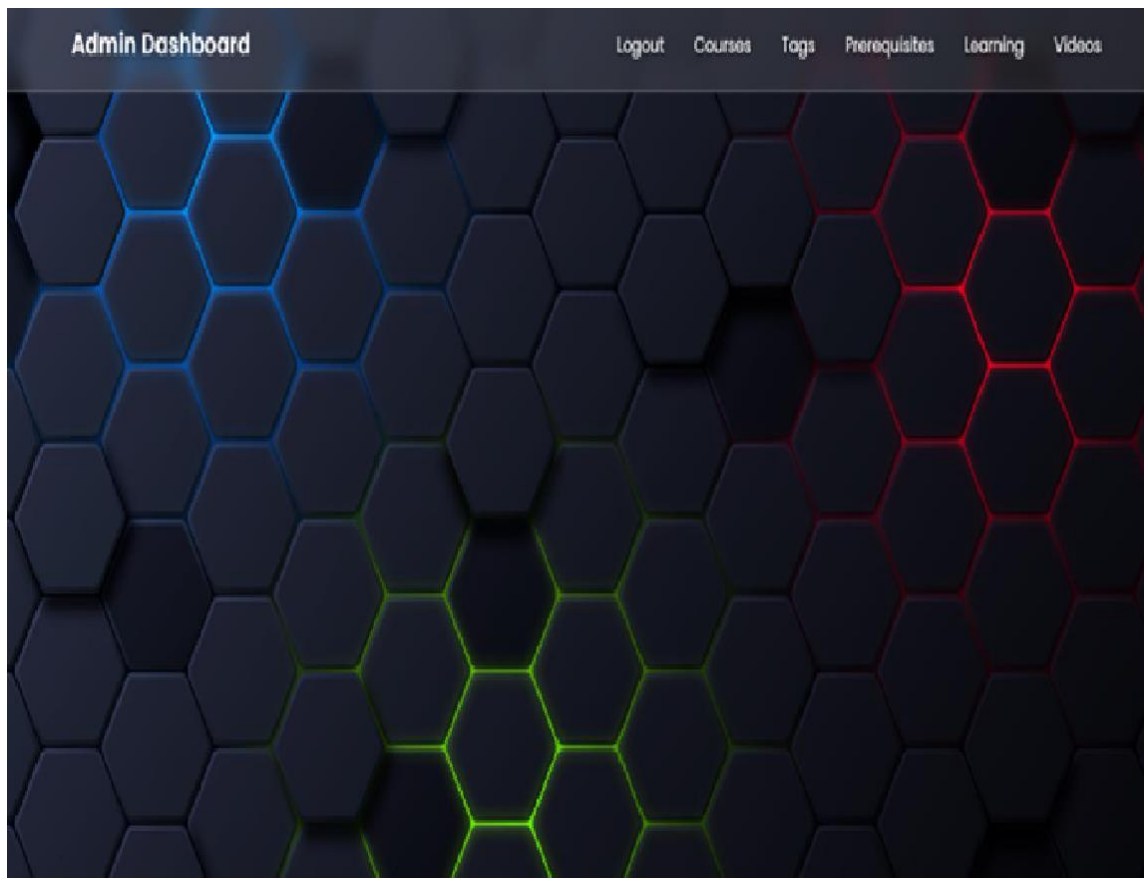
A screenshot of a web browser displaying the registration page of 'HASH TECHIE OFFICIAL'. The browser's address bar shows '127.0.0.1:8000/register/'. The page features a dark, scenic background with mountains and a starry sky. A central white form titled 'REGISTRATION' contains the following fields: '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 screen, showing the time as 10:34 on 31/05/2023.

Login Page

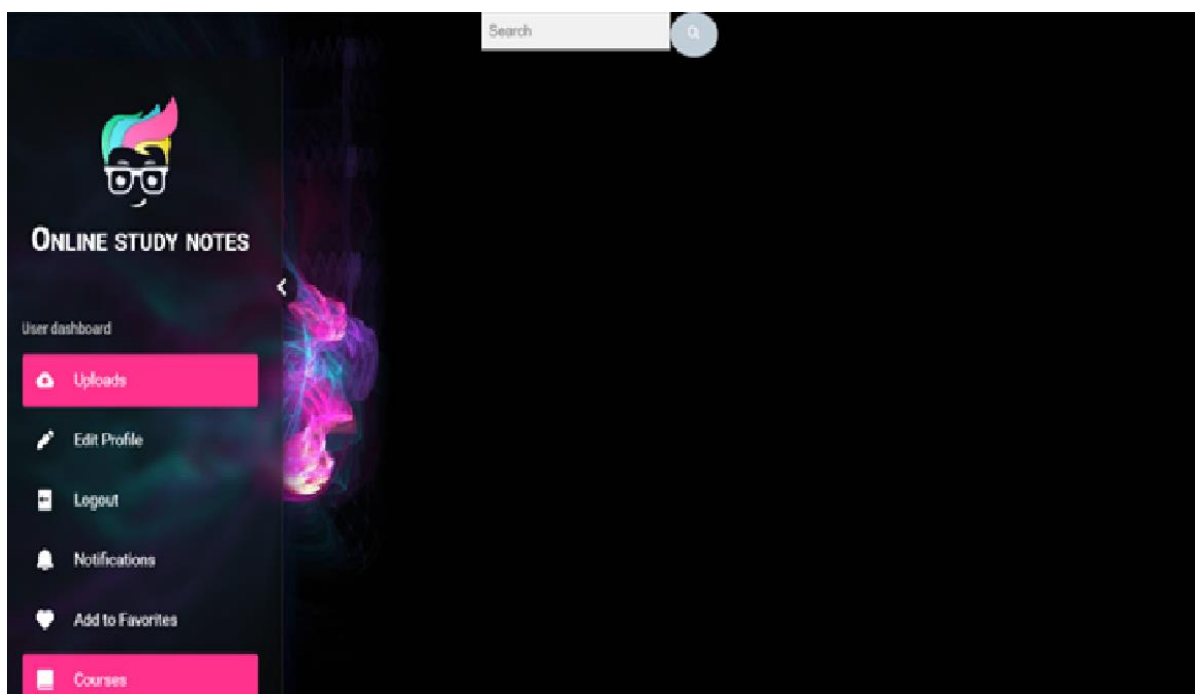


A screenshot of a web browser displaying the login page of 'HASH TECHIE OFFICIAL'. The browser's address bar shows '127.0.0.1:8000'. The page features the same dark, scenic background as the registration page. A central white form titled 'Login' contains the following fields: 'username:' and 'Password:'. Below these fields is a white 'Save' button. At the bottom of the form, there is a link that says 'Don't have a account Register'. The Windows taskbar is visible at the bottom of the screen, showing the time as 10:31 on 31/05/2023.

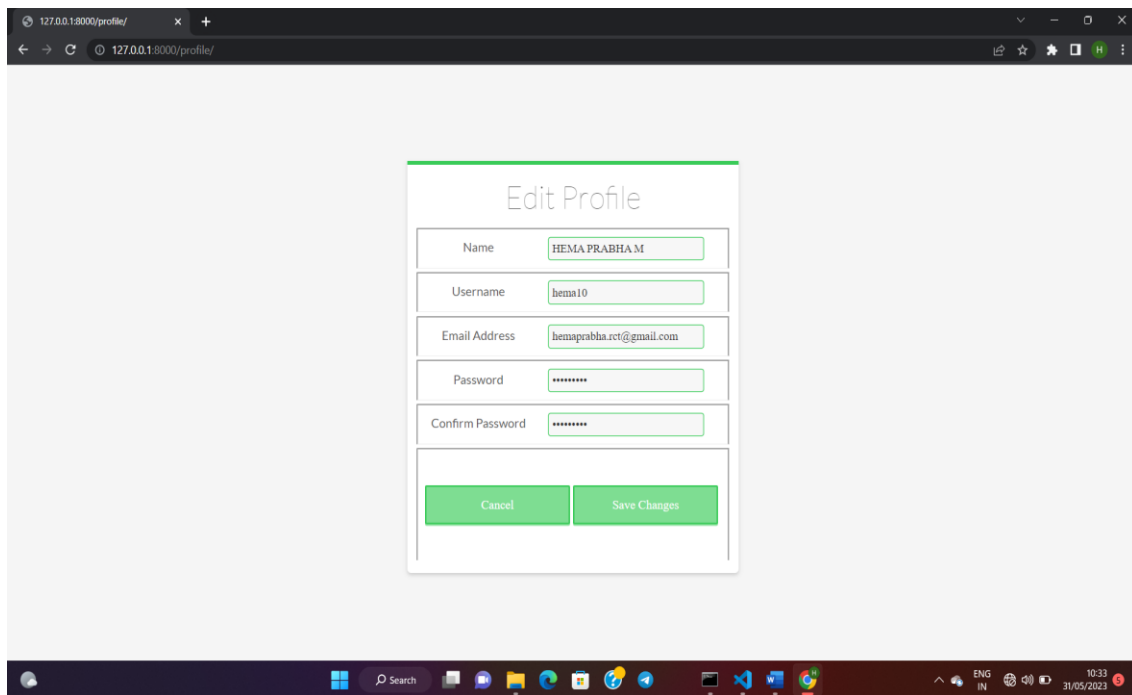
Admin Dashboard Page



User Dashboard Page



User Edit Profile Page

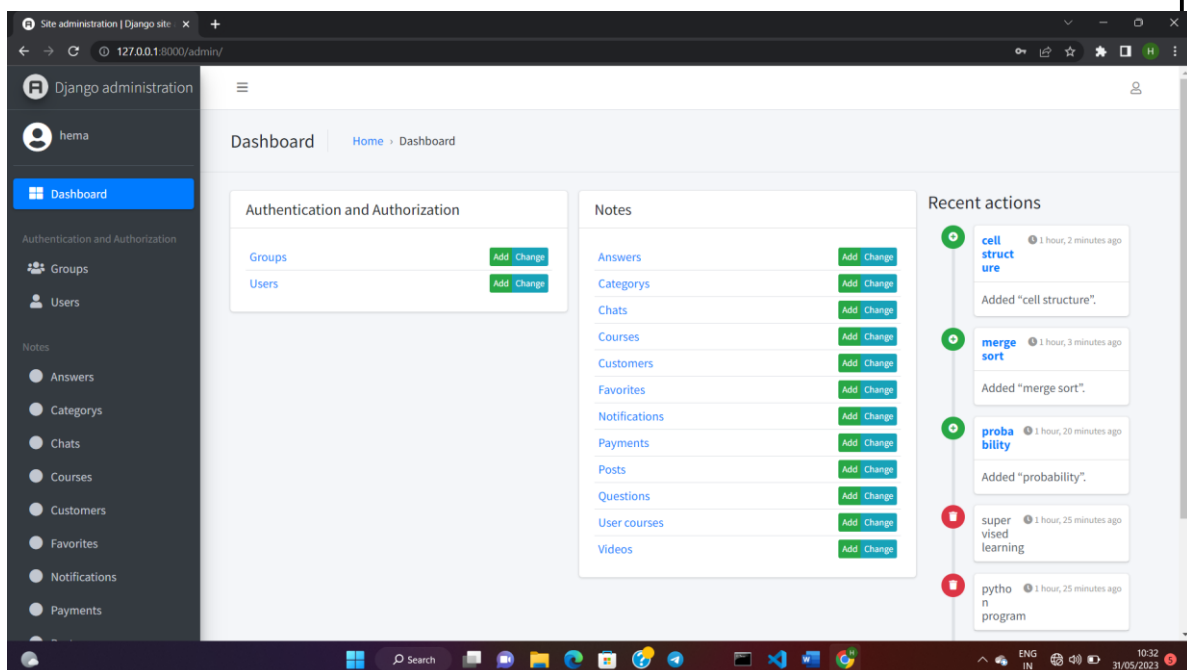


The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/profile/". The main content area features a form titled "Edit Profile". The form contains the following fields:

- Name: HEMAPRABHAM
- Username: hema10
- Email Address: hemaprabha.rct@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. The system tray on the right indicates the language is "ENG IN", the date is "31/05/2023", and the time is "10:33".

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:

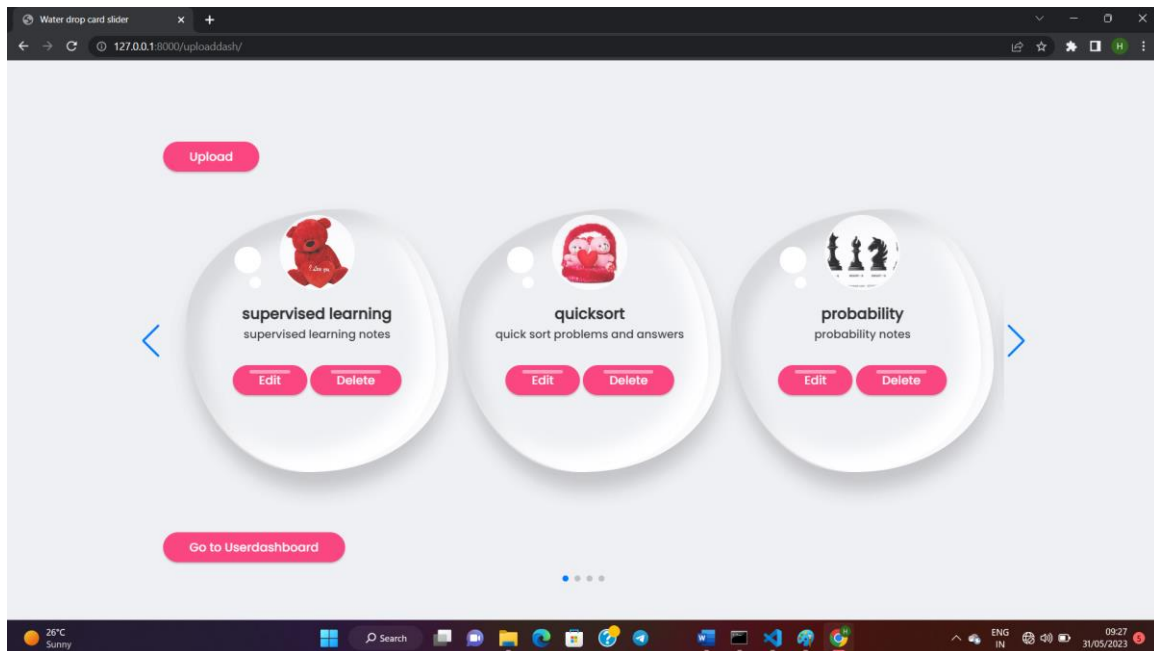
- hema (user profile)
- Dashboard (selected)
- Authentication and Authorization
 - Groups
 - Users
- Notes
 - Answers
 - Categories
 - Chats
 - Courses
 - Customers
 - Favorites
 - Notifications
 - Payments

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

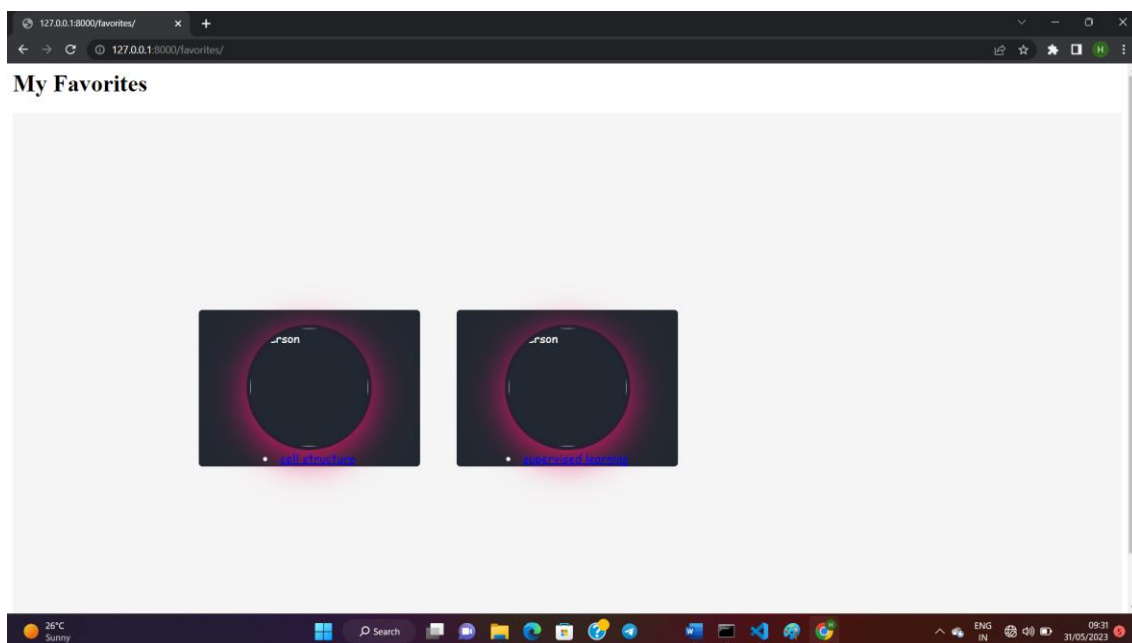
- Authentication and Authorization:** Links for "Groups" and "Users", each with "Add" and "Change" buttons.
- Notes:** A list of note types with "Add" and "Change" buttons: Answers, Categorys, Chats, Courses, Customers, Favorites, Notifications, Payments, Posts, Questions, User courses, and Videos.
-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

The browser's taskbar at the bottom is identical to the one in the previous screenshot, showing the Windows logo, search bar, and system tray with date "31/05/2023" and time "10:32".

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

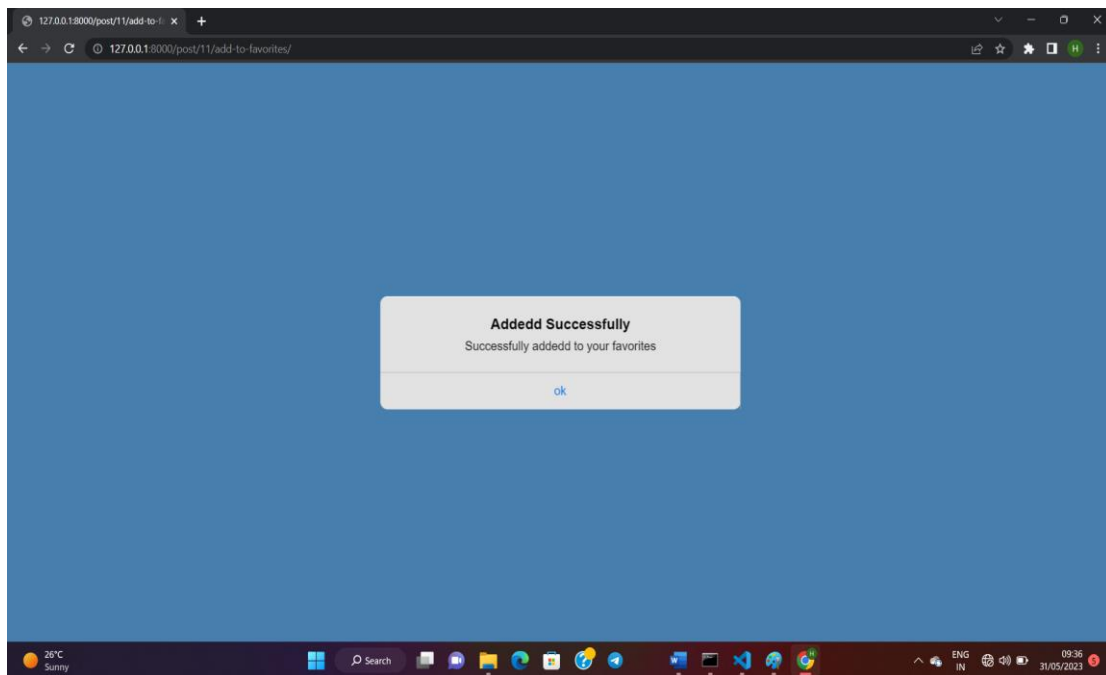
26°C Sunny

Search

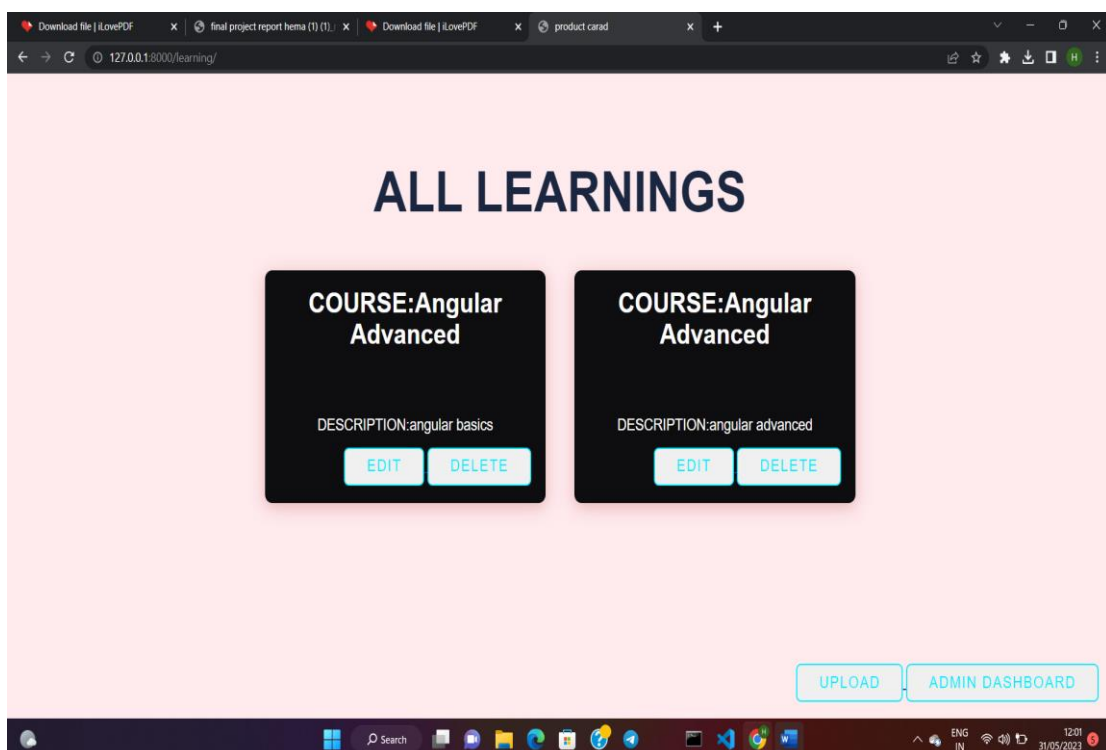
ENG IN

09:34 31/05/2023

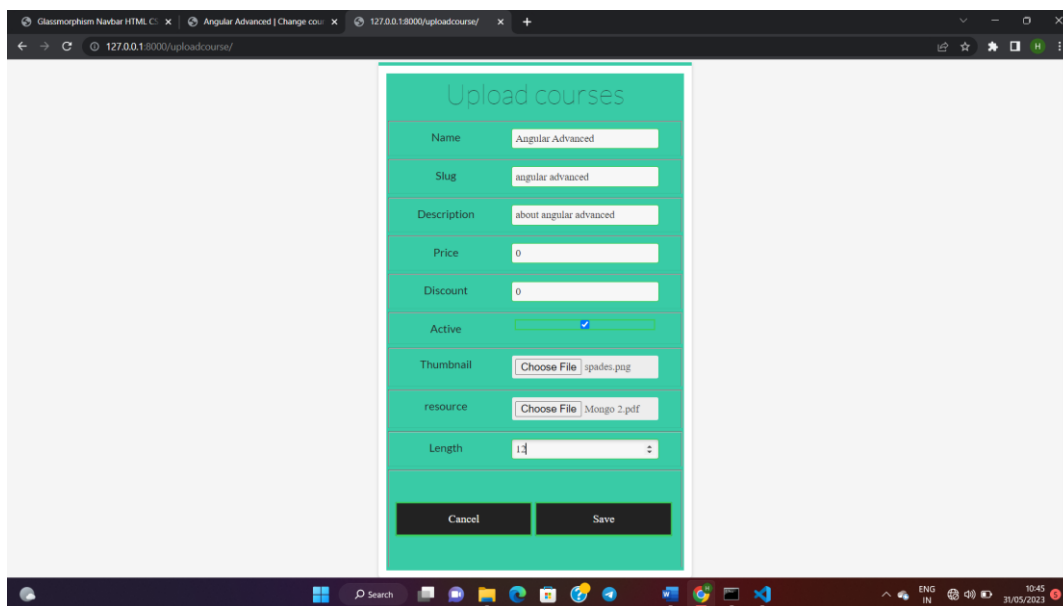
Pop up page



Learning dashboard page

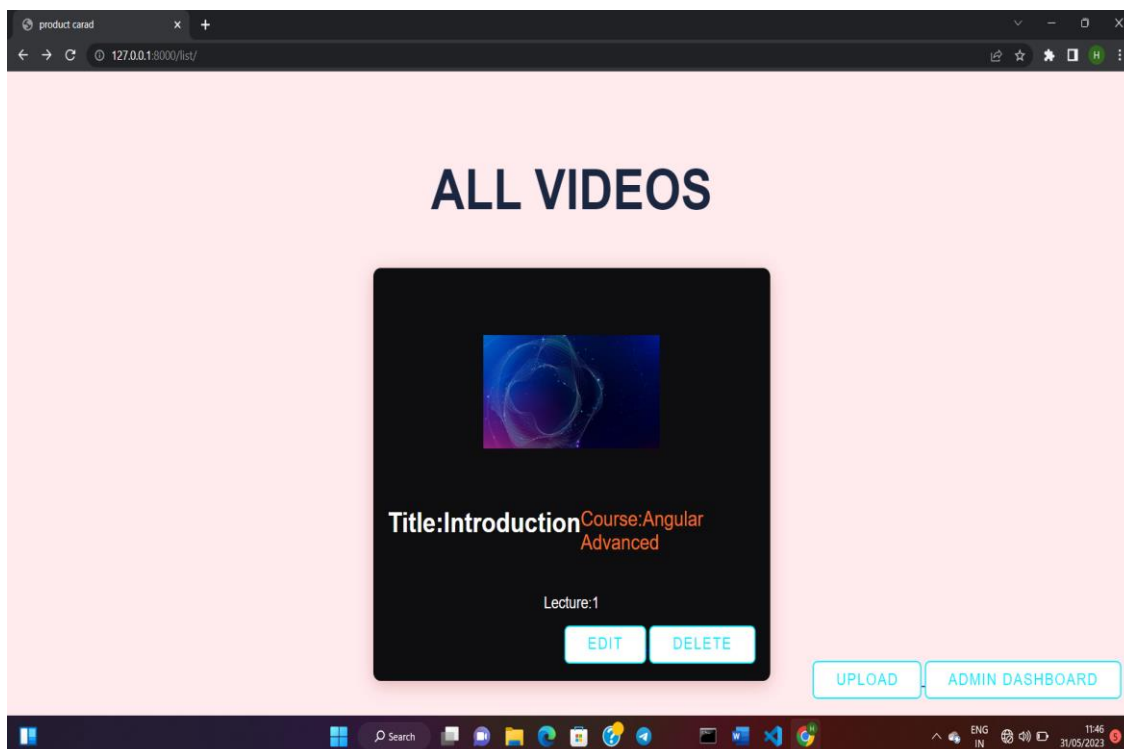


Course Upload page



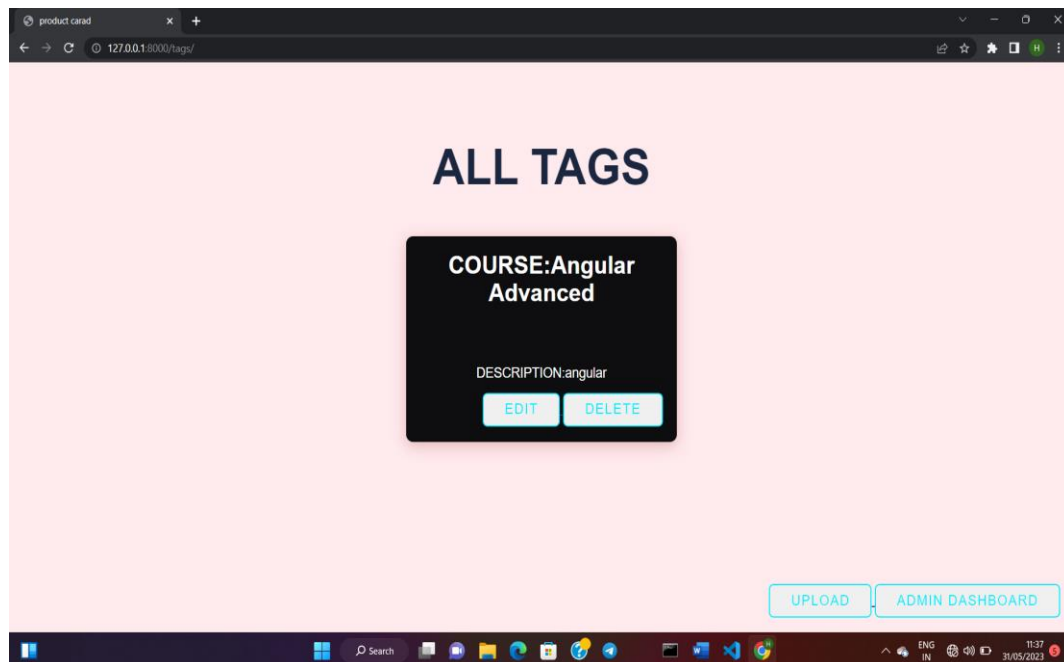
A screenshot of a web browser displaying the 'Upload courses' form. The form is a teal-colored modal with a title 'Upload courses' at the top. It contains several input fields: 'Name' (Angular Advanced), 'Slug' (angular advanced), 'Description' (about angular advanced), 'Price' (0), 'Discount' (0), 'Active' (checked), 'Thumbnail' (Choose File | spades.png), 'resource' (Choose File | Mongo 2.pdf), and 'Length' (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 is visible at the bottom with the date '31/05/2023' and time '10:45'.

Video Dashboard page

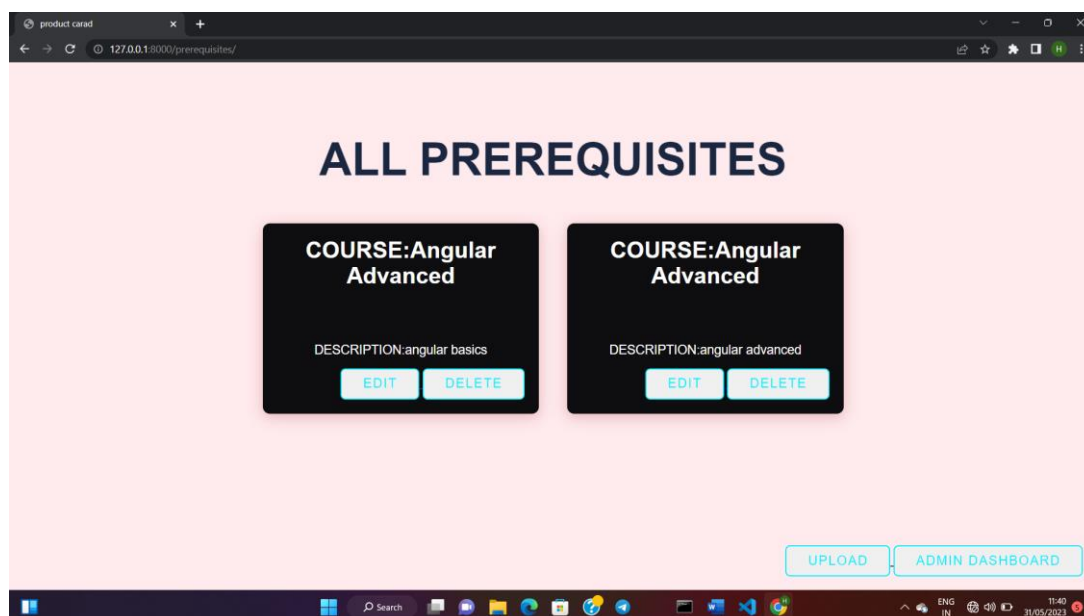


A screenshot of a web browser displaying the 'ALL VIDEOS' dashboard. The page has a light pink background. At the top, the text 'ALL VIDEOS' is centered. Below it is a video player thumbnail showing a blue and purple abstract image. Under the thumbnail, the text 'Title:Introduction' and 'Course:Angular Advanced' is displayed. Below that is 'Lecture:1'. At the bottom of the video player 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 is visible at the bottom with the date '31/05/2023' and time '11:46'.

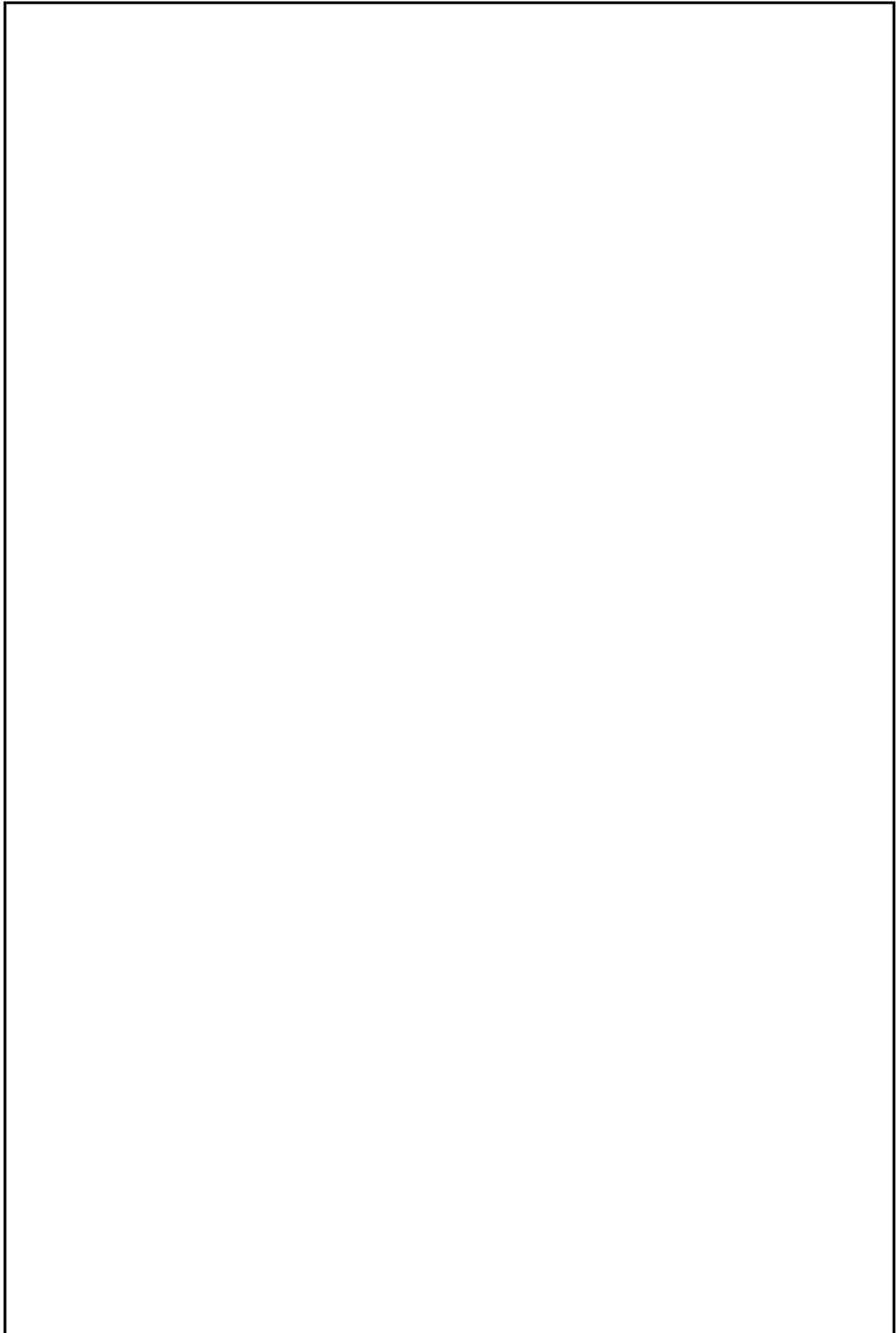
Tag Dashboard page



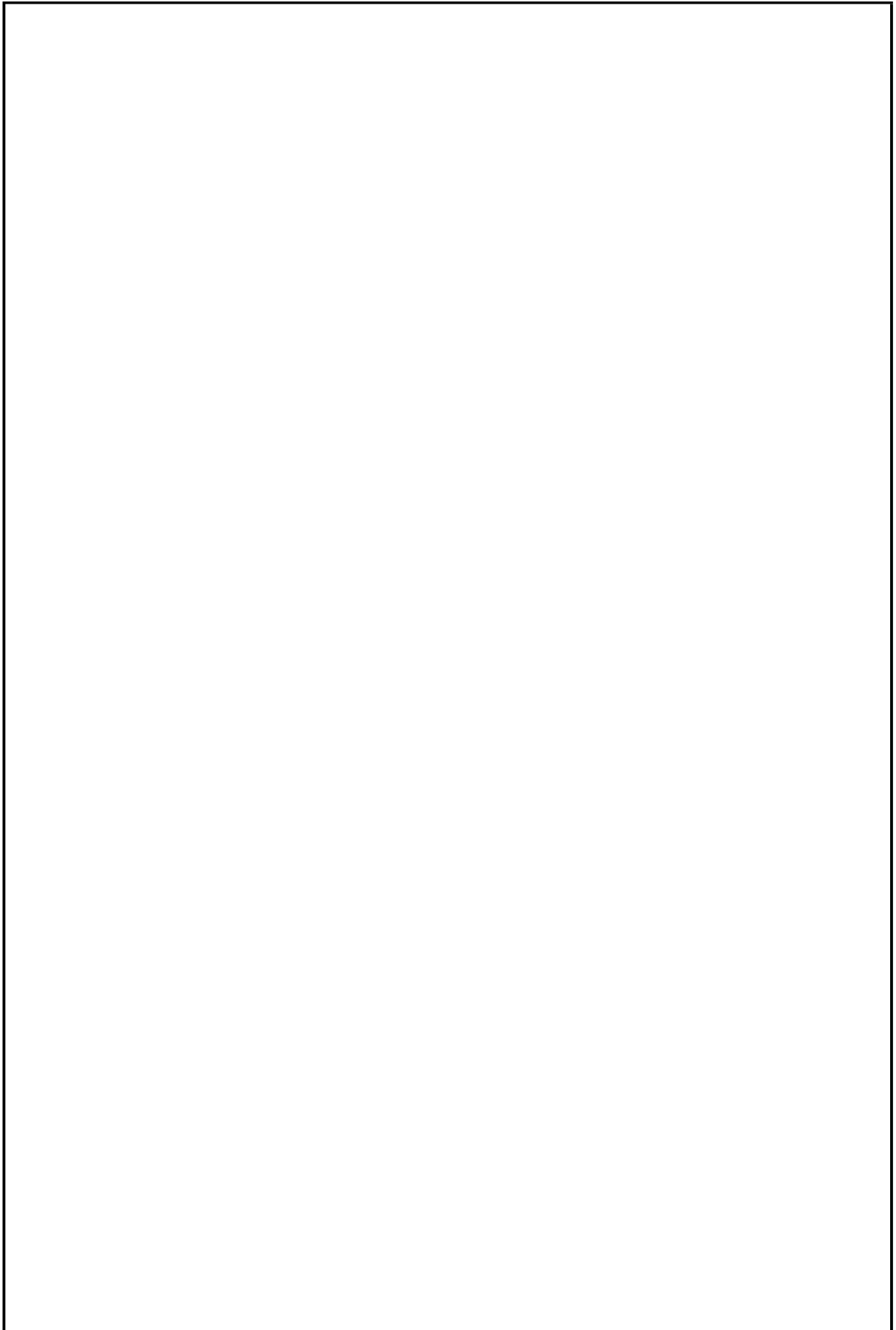
Prerequisite Dashboard page



6. TEST CASES









7. INPUT DESIGN **AND** **OUTPUT DESIGN**

INPUT DESIGN

The user interface design is very important for any application. The interface design describes how the software communicates with itself, to system that interpreted with it and with humans who use it. The input design is the process of converting the user- oriented inputs into computer-based formats. The data's feed in to the system using simple interactive forms. The forms have been supplied with messages so that user can enter data without facing difficulties. The data is validated wherever it requires in the project. This ensures that only the correct data have been incorporated into the system. The goal of designing input data is to make the automation as easy and free from errors as possible. For providing a good input design for the application easy data input and selection features are adopted. The input requirements such as user friendliness, consistent format and interactive dialogue for write messages are also considered for the development of the project.

The following are the main input forms in the portal:

Registration form-Customer module is responsible for filling this form. Customer enter the details through this form and it is then stored in database and used further.

Login form- Form used for login and it is used by customer, restaurant staff and admin.

Product form- It contains the details of the food items for ordering

Payment form-Form used for paying the ordered food items

Order form-used for ordering food items

OUTPUT DESIGN

A quality output is one, which meets the requirements of the end user and presents the information clearly. In any system the result of the processing is communicated to the user and to the other system through output. In the output design it is determined how the information is to be displayed for immediate need, it is most important and direct source information to the user. Efficient and intelligent output design improves the system relationship with the user and helps in decision making. The objective of the output design is to convey the information of all past activities, current status and to emphasize the important events.

The following are the main output forms in the portal:

View orders-Used by customers to view the ordered food items

User details form-used by admin to view list of customers

Order detail form-used by admin and customer to view list of orders

Payment detail form- used by admin to view payment details

8. FUTURE ENHANCEMENT

FUTURE ENHANCEMENT

This online food ordering system project aimed at developing an online food ordering system that can be used in small places, and medium cities firstly and then on a large scale. It is developed to help restaurants to simplify their daily operational and managerial task as well as improve the dining experience of customers.

And also helps restaurants develop healthy customer relationships by providing good services. The system enables staff to let update and make changes to their food and beverage list information based on the orders placed and the orders completed.

9. CONCLUSION

CONCLUSION

An online food ordering system is developed where the customers can make an order for the food and avoid the hassles of waiting for the order to be taken by the waiter. Using the application, the end users register online, read the E-menu card and select the food from the e-menu card to order food online. Once the customer selects the required food item the chef will be able to see the results on the screen and start processing the food.

This application nullifies the need of a waiter or reduces the workload of the waiter. The advantage is that in a crowded restaurant there will be chances that the waiters are overloaded with orders and they are unable to meet the requirements of the customer in a satisfactory manner. Therefore by using this application, the users can directly place the order for food to the chef online

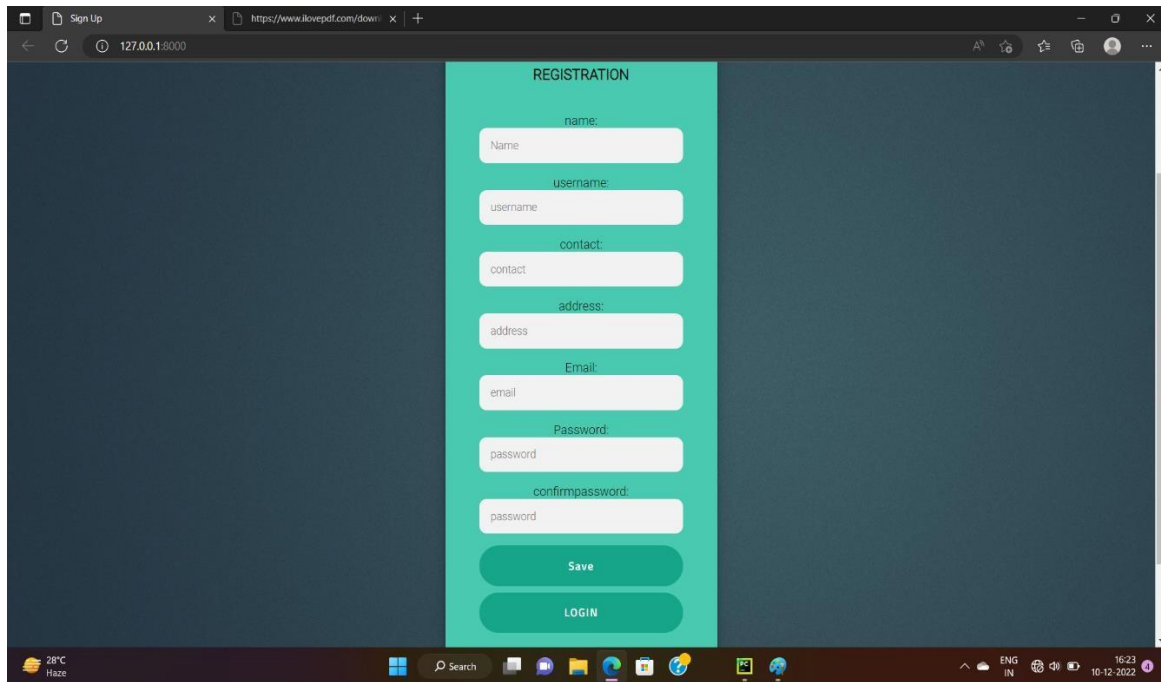
10. REFERENCES

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- <https://www.studocu.com/in/document/visvesvaraya-technological-university/mcaassignsemester-i/project-report-online-food-delivery/16570334>
- https://www.irjmets.com/uploadedfiles/paper/issue_1_january_2022/18689/final/fin_irjmets1643726977.pdf

ANNEXURE

Registration page

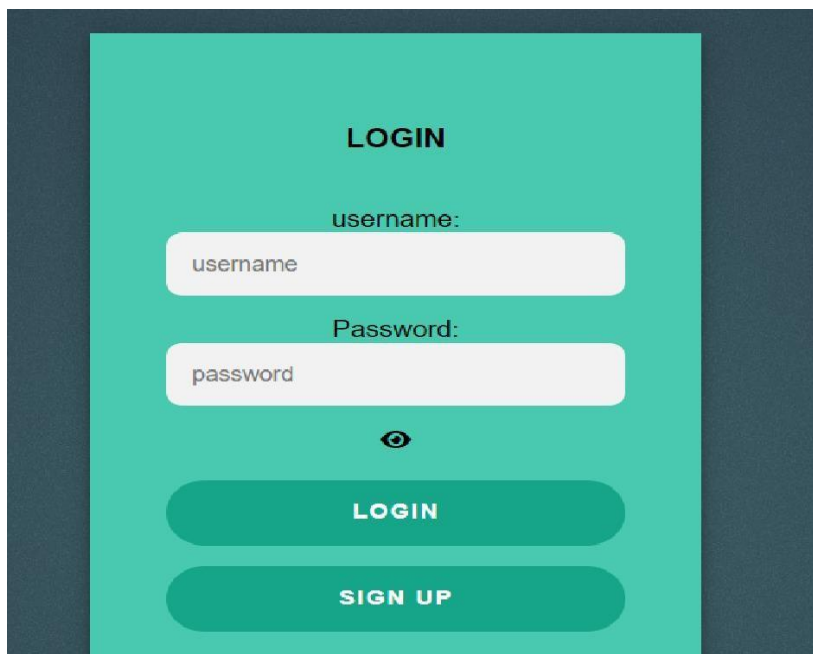


The screenshot shows a web browser window with a registration form. The browser's address bar displays 'https://www.itlovepdf.com/down'. The form is titled 'REGISTRATION' and is set against a teal background. It contains the following fields and buttons:

- name:
- username:
- contact:
- address:
- Email:
- Password:
- confirmpassword:
-
-

The browser's taskbar at the bottom shows the system clock as 16:23 on 10-12-2022, along with various application icons and a weather widget indicating 38°C Haze.

Login page



The screenshot shows a login form titled 'LOGIN' centered on a teal background. The form includes the following elements:

- username:
- Password:
- An eye icon for toggling password visibility.
-
-

Add pageImage: No file chosenMenu name: Menu type name: ▼Price: Menu quantity: Menu status: **Update page**Image: No file chosenMenu name: Menu type name: ▼Price: Menu quantity: Menu status:

Display page

Name:ALFAHAM

Category:nonvegeterian

Price:1000

Quantity:5

7



Name:BIRIYANI

Category:nonvegeterian

Price:500

Quantity:5

8

Each item display page

BIRIYANI

nonvegeterian

500

5

Delete page

Are you want to delete this item ? [Cancel](#)