Instructions

How to select Project :

Your course mobile phone no % 14 = you will get a result

No, based on the result, select a project from the below list.

Example : 01234568978 % 14 = 6. Select the 'Library Management System Project' project

Some Resources for getting templates :

1. https://templatemo.com/
2. https://html5up.net/
3. https://themeforest.net/

What you need to submit :
1. Your Course Mobile No
2. Result of course mobile phone no % 14
3. Unique Name of your project
4. Project Github Link
5. Deployment link

Deadline :
1. 100 marks : 31 August 2023 - 3 September 2023 11 : 59pm
2. 90 marks : 3 septembar to 4 september 11:59pm
3. 80 marks : After 4 september any time

N:B : Those who will submit assignment within 3 september 11:59, they will get chance in job placement

Projects List

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Project No: 0

Quiz Zone

Quiz zone is an online quiz making and quiz taking platform.Quiz zone should have 2 types of users: admins and end-users(viewers/users). Admins are able to create quizzes and end users will take quizzes.

You are required to implement the following features for this project:

User Authentication: (15 Marks)

- User registration and login.
- User profile management for admins and viewers

Quiz Creation for Admin: (20 Marks)

- Create quizzes with titles, descriptions, and categories,has_time_limit and others necessary fields.
- Add questions to quizzes with question type of multiple-choice
- There should be at least 5 and at most 50 questions in a quiz with each question having at least 2 and utmost 10 multiple-choice fields
- Specify correct answers and point values for each question.
- Set time limits for quizzes (optional).

Quiz Taking: (20 Marks)

- Allow users to browse and select quizzes to take.
- Display questions one at a time with options for multiple-choice questions.
- Implement a timer if the quiz has a time limit.
- Provide immediate feedback on correct/incorrect answers.
- Calculate and display the final score at the end of the quiz.

User Progress: (10 Marks)

- Track and display a user's quiz history (completed quizzes, scores).
- Show progress indicators for ongoing quizzes (either with progress bar or with numbers) .
- Display leaderboards for top scores in quizzes

Quiz Categories and Filtering: (10 Marks)

- Categorize quizzes and allow users to filter quizzes by category.

Quiz Ratings: (15 Marks)

- Allow users to leave ratings for quizzes.
- Display an average rating for each quiz and sort quizzes by rating (from 1 to 7)

Deployment and Submit: (10 Marks)

- Deploy your Django quiz website on a secure and scalable hosting platform and submit the data of your assignment as instructed in assignment instruction module

Project No: 1

Newspaper Site

Newspaper Site is an online newspaper editing,publishing and viewing platform.Newspaper Site should have 2 types of users: editors(admins), viewers(subscribers). Admins are able to edit and publish news of the site and viewers are able to browse the site

You are required to implement the following features for this project:

User Authentication: (15 Marks)

- User registration and login.
- User profiles for subscribers/viewers and editors

Article(news) Management: (15 Marks)

- Create, edit, and delete articles(news) features for editors.
- Article should have Headline,Body,Category,Publishing_Time,Ratings and others necessary fields
- Organize articles into Categories like Latest,Politics,Crime,Opinion,Business,Sports,Entertainment,Jobs,Tech etc
- Articles or news of each category should be shown in different tabs for viewers

User ratings for articles: (15 Marks)

- Viewers should be able to provide a rating (from 0 to 4) for articles
- Display an average rating for each articles

Homepage: (15 Marks)

- Homepage should contain the top 2 articles by ratings of each category
- In homepage articles should have only headline and first 50 characters of article body

Category Page: (15 Marks)

- In each category page , articles should have only headlines and the first 150 characters of the article body.
- In category pages, articles should be sorted by ratings

Article Details Page: (15 Marks)

- In Article Details Page , articles should have headline and full content of the body of the article
- In this page, below the details of the specific article, there should be 2 article headlines of the relevant category

Deployment and Submit: (10 Marks)

- Deploy your Django newspaper website on a secure and scalable hosting platform and submit the data of your assignment as instructed in assignment instruction module

Project No: 2

Blog Site

Blog Site is an online blog publishing and reading platform.Blog site should have 3 types of users: admins, authors and readers. Authors are able to write and publish blogs and readers are able to browse blogs

You are required to implement the following features for this project:

User Authentication: (15 Marks)
- User registration and login.
- User profile management.
- User roles (e.g., admin, author, reader).

Blog Creation: (15 Marks)
- Authors can create blogs with titles, body, and categories,date etc.
- Afters creation, authors can edit or delete the specific blog

Authors Profile: (15 Marks)
- Display author information and links to their articles.
- Author bios with profile pictures and social media links(optional).

Search and Filtering: (15 Marks)
- Implement a search bar to find articles by keywords or topics (Optional).
- Provide filtering options (i.e, by category, date, author) for readers.

Saving Favorites: (15 Marks)
- Allow users to save links of their favorite blogs(bookmarks feature)
- Provide a search feature to find quizzes by keywords or tags.

Blog Reviews and Ratings: (15 Marks)
- Allow readers to leave ratings for quizzes (ratings from 0 to 6).
- Display an average rating for each blog and sort blogs by rating

Deployment and Submit: (10 Marks)
- Deploy your Django blog website on a secure and scalable hosting platform and submit the data of your assignment as instructed in assignment instruction module

Project No: 3

Portfolio Site

Blog Site is a portfolio publishing and editing platform.Portfolio Site should have 2 types of users: an admin, viewers. The Admin is able to edit and publish elements of the site and viewers are able to browse portfolio

You are required to implement the following features for this project:

User Authentication: (10 Marks)

- User registration and login (Only for admin).
- User roles (e.g., admin, viewers).
- Viewers don't need to register or login

Edit Site: (10 Marks)

- Allow admin to edit his/her profile information.
- User profile picture.

Project Showcase for Admin: (15 Marks)

- Add projects with details:
- Project title,description,screenshots,technologies used,Project URL (Live site link).
- Organize projects into categories (Django Projects, Android projects etc)
- Display detailed information about each project, including images, descriptions, and tech stack in project detail page

Resume/CV Section for Admin: (10 Marks)

- Upload and display your resume or CV.

Skills Section for Admin: (10 Marks)

- List your skills and proficiency levels.

Blog Section for Admin: (10 Marks)

- Write and publish blog posts about your work, industry trends, or insights..

Contact Information: (10 Marks)

- Provide contact details (email, phone, social media).
- Implement a contact form for inquiries or messages..

Project Reviews and Ratings: (15 Marks)

- Allow viewers to leave ratings for projects (ratings from 0 to 7).
- Display an average rating for each project and sort projects by rating

Deployment and Submit: (10 Marks)

- Deploy your Django portfolio website on a secure and scalable hosting platform and submit the data of your assignment as instructed in assignment instruction module

Project No: 4

To-Do App

To-Do App is an online task management platform. To-Do App should have just one type of user. The user should be able to create,edit and delete tasks along with some other actions.

You are required to implement the following features for this project:

User Authentication: (15 Marks)

- User registration and login.
- User profiles for personalization.

Task Management: (15 Marks)

- Create, edit, and delete tasks.
- Set task due dates and priorities.
- Assign tasks to categories or projects.

Task Status Tracking: (15 Marks)

- Mark tasks as completed or incomplete.
- Display tasks by status (e.g., to-do, completed).

Task Reminders : (5 Marks)

- Set reminders and due date .

Task Sorting and Filtering: (15 Marks)

- Sorting option for tasks by due date, priority, or category.
- Filtering options to view specific tasks.

Task Prioritization: (15 Marks)

- Set task priorities (from 0 to 8).
- Sorting options of tasks by priority levels.

Deployment and Submit: (10 Marks)

- Deploy your Django To-Do App website on a secure and scalable hosting platform and submit the data of your assignment as instructed in assignment instruction module

Project No: 5

Food Shop Like Dominos

Food Shop Like Dominos is an online food ordering platform that emulates the features of Dominos. It involves two types of users: customers and admins. Customers can explore the menu and place orders, while admins manage the menu and orders.

User Authentication: (15 Marks)

- User registration and login.
- User profile management for customers.

Menu Display and Ordering: (25 Marks)

- Display a variety of food items with images.
- Allow users to filter items by category.
- Provide a search bar for finding specific items.
- Implement a cart system for adding and removing items.
- Place orders and calculate the total cost.

Order History and Reviews: (20 Marks)

- Enable customers to view their order history.
- Allow users to rate and review items they've ordered.

Specials and Delivery Estimation: (20 Marks)

- Offer a "Specials" section with discounted items.
- Display estimated delivery times based on the user's location.

Deployment and Submit: (10 Marks)

- Deploy your Food Shop website on a secure and scalable hosting platform.
- Ensure the website is responsive and user-friendly on various devices.
- Test the website thoroughly to ensure smooth order placement and navigation.
- Submit the project data and documentation as instructed in the assignment module.

Project No: 6

Library Management System Project

1. **<u>User Management: (20 Marks)</u>**
   - User Registration: can register to our system
   - User Authentication: Implement secure login/logout functionality for registered users.

2. **<u>Book Management: (20 Marks)</u>**
   - Book Catalog: Maintain a comprehensive catalog of books with details such as title, author, ISBN, publication date, genre, and availability status, no of books available
   - Book Search: Provide a search feature to allow users to find books based title

3. **<u>Borrowing and Returning Books: (20 Marks)</u>**
   - Borrowing System: Allow users to borrow books by checking them out from the library. When they borrowed a book, the quantity of that book will be reduced by 1.
   - Returning Book : allow users to return a review a book and while returning they will be able to give a review of that book and number of that book will be increased by one.

4. **<u>Wishlist Management: (20 Marks)</u>**
   - Reservation System: Enable users to add books to his/her wishlist so that he/she can find that books in their profile

Deployment and Submit: (10 Marks)

- Deploy your Cloth Store website on a secure and scalable hosting platform.

- Ensure smooth product browsing, selection, and ordering.

- Test the website to ensure proper display of product details and reviews.

- Submit the project data and documentation as instructed in the assignment module.

Project No: 7

Cloth Store

Cloth Store is an online platform for clothing shopping. It allows users to browse and purchase clothing items. The platform includes features such as product filtering, user reviews, and a wishlist.

User Authentication: (15 Marks)

- User registration and login.
- User profile management for shoppers.

Product Listing and Filtering: (25 Marks)

- Display a range of clothing items with images.
- Implement sorting options (e.g., by price, popularity).
- Allow users to filter products by size and color.

Product Details and Reviews: (25 Marks)

- Show detailed product information, including customer reviews.
- Allow users to rate and review products.
- Display average ratings for each product.

Wishlist and Recommendations: (15 Marks)

- Implement a wishlist feature for users to save items..

Deployment and Submit: (10 Marks)

- Deploy your Cloth Store website on a secure and scalable hosting platform.
- Ensure smooth product browsing, selection, and ordering.
- Test the website to ensure proper display of product details and reviews.
- Submit the project data and documentation as instructed in the assignment module.

Project No: 8

Online School

Online School is an e-learning platform that offers courses to learners. It provides features such as course modules, quizzes, resources, and instructor interaction. Users can enroll in courses, learn, and track their progress.

User Authentication: (15 Marks)
- Enable teachers to create accounts, log in securely, and log out.
- Implement registration, login, and logout functionalities

Course Creation: (15 Marks)
- Allow teachers to create courses for their students.
- A course should include details such as title, description, department, and other relevant information.

Course Management: (20 Marks)
- Enable teachers to update and delete courses they've created.
- A teacher can only see and change those courses that were added by them.

Course Listings: (30 Marks)
- Display all available courses on the homepage.
- Each course should be presented with its title, description, department, and other essential information.
- Implement a search feature that allows students to search for courses by title.
- Provide students with the ability to filter courses by department.

Deployment and Submit: (10 Marks)
- Deploy your Online School platform on a secure and scalable hosting platform.

Project No: 9

Hotel Booking Website

Create a simple hotel booking website where students can explore and search different hotels. When a student clicks on a hotel, they should see more information about it on a separate page. Authenticated users can leave reviews for hotels, and only the person who wrote a review can change or remove it. The website will also have account features like registering, logging in, and logging out.

You are tasked with creating a simple hotel booking website that offers the following features:

Hotel Exploration and Search: (15 Marks)
- Students should be able to explore and search for various hotels.
- Implement a search functionality that allows users to search hotels based on area

Hotel Detail Page: (20 Marks)
- When a student clicks on a hotel, they should be directed to a dedicated page displaying more detailed information about the selected hotel.
- Display relevant details such as hotel name, address, photos and review

User Authentication: (25 Marks)
- Develop user registration, login, and logout functionalities.
- Authenticated users should have access to additional features such as leaving reviews for hotels.

Hotel Reviews: (30 Marks)
- Authenticated users can leave reviews for hotels they have stayed at.
- Each review should include a rating and a text comment.
- Ensure that only the person who wrote a review can modify or remove it.
- User Account Management:

Deployment and Submission: (10 Marks)
- Deploy the completed hotel booking website on a secure and reliable hosting platform.

Project No: 10

A Recipe Sharing Website

Create a platform where users can share their favorite recipes. Users can register, log in, and submit recipes. Each recipe should have a title, ingredients, instructions, and an image. Recipes can be searched and filtered by category or ingredients.

In this project, your goal is to create a platform where users can share their favorite recipes. The platform should include the following features:

User Registration and Authentication: (25 Marks)
- Implement user registration and login functionalities.

Recipe Submission: (15 Marks)
- Allow registered users to submit their favorite recipes.
- Each recipe submission should include a title, list of ingredients, step-by-step instructions, and an image.
- There will be a select category option also

Recipe Categories and Ingredients: (20 Marks)
- Categorize recipes into different categories (e.g., appetizers, main courses, desserts).
- Users should be able to filter recipes based on these categories.
- Implement a search feature that allows users to search for recipes using ingredients.

Recipe Display: (10 Marks)
- Display submitted recipes on the homepage.
- Each recipe should be shown with its title, image, and a brief description.

User Profile: (20 Marks)
- Create user profiles that showcase the recipes a user has submitted.
- Users should be able to manage and edit their own recipes.

Deployment and Submission: (10 Marks)
- Deploy the completed recipe sharing platform on a reliable hosting environment.
- Follow the assignment instructions for submitting the necessary project data.

Project No: 11

A Car Sale Website

Create a fully functional car sales website that facilitates car listings for users and allows the admin to manage listings and orders. Each car listing will comprise an image, title, description, price, and a "Buy Now" button. Users can place orders, view their order history, and manage their account. Orders will have a default status of "Pending." The admin will have access to all orders and the ability to modify their statuses. To manage cars and orders, the project will involve building separate dashboards for users and the admin.

Your task is to create a comprehensive car sales website that enables users to list cars for sale and facilitates car orders. The platform should consist of the following features:

User-Facing Features:

1. Car Listings: (15 Marks)
- Allow users to create car listings with an image, title, description, price, and a "Buy Now" button.
- Ensure that the car listings are displayed in an organized and appealing manner.

2. User Registration and Authentication: (20 Marks)
- Implement a user registration and login system.

3. Placing Orders: (10 Marks)
- Enable users to place orders for the cars they want to buy.
- Orders should have a default status of "Pending" upon submission.

4. Order History: (10 Marks)
- Provide users with access to view their order history.
- Users should be able to see the status of their orders.

Admin-Facing Features:

1. Admin Dashboard: (20 Marks)
- Create a separate dashboard for the admin to manage cars and orders. (Hints: check if a user is is_staff)

2. Order Management: (15 Marks)
- Enable the admin to view and manage all orders placed by users.
- The admin should have the ability to change the status of orders (e.g., from "Pending" to "Completed").

Deployment and Submission: (10 Marks)
- Deploy the functional car sales website on a reliable hosting environment.
- Follow the provided instructions for submitting the required project data.

Project No: 12

A Hospital Management System

Create a hospital management website. Which will be really helpful for doctors. They can create accounts, log in, and log out when they're done. Once they're logged in, they can enter details about their patients. These details will show up on their profile pages, so they can see them easily. And all the records added by the doctor also are on the main page of the website. There's also a search bar that lets them find information quickly. They can even sort the information by categories like "Heart Patients" and "Liver Patients."

Your objective is to design and develop a hospital management website tailored to the needs of doctors. The platform should encompass the following functionalities:

1. User Accounts: (25 Marks)
- Enable doctors to create accounts securely.
- Implement a login and logout system for easy access
.

2. Patient Details Entry: (15 Marks)
- Once logged in, doctors should be able to input and save details about their patients.
- Each patient's information should include some details like, name, age, address and more

3. Doctor Profile Page: (20 Marks)
- Display all patient records associated with a specific doctor on their profile page.
- Allow doctors to easily review and manage their patients' information like edit, delete
.

4. Data Display: (10 Marks)
- Create a homepage that showcases all the records entered by doctors.
- Display relevant patient information in a structured and organized format.

5. Search and Sort Functionality: (20 Marks)
- Implement a search bar to quickly locate specific patient records.
- Enable doctors to sort patient records by categories such as "Heart Patients" and "Liver Patients."

Deployment and Submission: (10 Marks)
- Deploy the functional hospital management website on a reliable hosting platform.

Project No: 13

Website with User Authentication, Search, and CRUD Operations

Create a website with user login, registration, logout functionality, a search feature, and CRUD operations. The project can be on any topic, but it must incorporate these essential features.

Your goal is to create a fully functional website with the following key features:

1. User Authentication: (25 Marks)
- Implement user registration, login, and logout functionalities.
- Users should be able to create accounts, log in securely, and log out.

2. Search Feature: (20 Marks)
- Develop a search functionality that enables users to search for specific items or content on your website.
- The search feature should provide relevant results based on user queries.

3. CRUD Operations: (30 Marks)
- Implement Create, Read, Update, and Delete (CRUD) operations for a specific topic or content on your website.
- Users should be able to perform these operations on the chosen topic's data.

4. User-Focused Experience: (15 Marks)
- Design the website with a user-friendly interface to ensure ease of navigation and interaction.

Deployment and Submission: (10 Marks)
- Deploy the functional website on a reliable hosting platform.

Choose a topic that interests you or aligns with your project's goals. Ensure that the chosen topic for your project allows for the practical implementation of user authentication, CRUD operations, and search functionalities.