

Instructions

How to select Project :

Your course mobile phone no % 24 = you will get a result

Now, based on the result, select a project from the below list.

Example : 01234568978 % 24 = 2. Select the 'Blog Site' project

Some Resources for getting templates :

1. <https://templatemo.com/>
2. <https://html5up.net/>
3. <https://theforest.net/>

What you need to submit :

1. Your Course Mobile No
2. Result of course mobile phone no % 24
3. Unique Name of your project
4. Project Github Link
5. Deployment link
6. Admin username, password

Deadline :

1. **100 marks : 13 Jan 2024 - 17 Jan 2024 11 : 59pm**
2. **90 marks : 18 Jan 2024 - 20 Jan 2024 11 : 59**
3. **80 marks : any time after 90 marks deadline**

N:B : You can use function based view/ class based view. You have the freedom to use the MVT pattern or REST API .

Projects List

| Project No | Project Name | Project No | Project Name |
|------------|-----------------------------------|------------|--------------------------------------|
| 0 | Quiz Zone | 1 | Newspaper Site |
| 2 | Blog Site | 3 | Portfolio Site |
| 4 | To-Do App | 5 | Food Shop Like Dominos |
| 6 | Library Management System Project | 7 | Cloth Store |
| 8 | Online School | 9 | Hotel Booking Website |
| 10 | A Recipe Sharing Website | 11 | Flower Sell Website |
| 12 | A Hospital Management System | 13 | Blood Bank |
| 14 | PhiBook | 15 | Household Service Providing Platform |
| 16 | Vaccination Management System | 17 | Job Board Project |
| 18 | Event Management System | 19 | Train Ticket Booking System |
| 20 | Pet Adoption Platform | 21 | Tuition Media Platform |
| 22 | Joke of the Day | 23 | Book donate Platform |

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)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.
- User profile management for admins and viewers

Quiz Creation for Admin: (20 Marks)

- Create quizzes with titles, descriptions, and categories, has_time_limit and other 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.

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.
- Provide immediate feedback on correct/incorrect answers.
- Calculate and display the final score at the end of the quiz.
- Send E-mail the quiz information such as , quiz score, etc to user

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

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)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.
- 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
- Sending Email after user provides ratings for article

Homepage: (15 Marks)

- 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

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)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.
- 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

Search and Filtering: (15 Marks)

- Provide filtering options (i.e, by category, date, author) for readers.

Saving Favorites: (15 Marks)

- Allow users to save links of their favorite blogs(Favorites feature)
- Sending Email to user after making any blog favorite

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:

1. 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)
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. Edit Site: (10 Marks)

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

3. 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

4. Resume/CV Section for Admin: (10 Marks)

- Upload and display your resume or CV.

5. Skills Section for Admin: (10 Marks)

- List your skills and proficiency levels.

6. Blog Section for Admin: (10 Marks)

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

7. Contact Information: (10 Marks)

- Provide contact details (email, phone, social media).

- Implement a contact form for inquiries or messages..

8. 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

9. 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)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

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)

- Send Email after task creation and completion

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: (25 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

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.(Optional)
- 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.

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. User Management: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. Book Management: (25 Marks)

- 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(**Optional**)

3. Borrowing and Returning Books: (25 Marks)

- Borrowing System: Allow users to borrow books by checking them out from the library. When they borrow a book, the quantity of that book will be reduced by 1.
- Returning Book : allow users to return a review of a book and while returning they will be able to give a review of that book and the number of that book will be increased by one.

4. Wishlist Management: (20 Marks)

- Reservation System: Enable users to add books to his/her wishlist so that he/she can find that books in their profile

5. 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.

1. User Authentication: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. 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.

3. Product Details and Reviews: (30 Marks)

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

4. Wishlist and Recommendations: (15 Marks)

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

5. 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.

1. User Registration and Authentication: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. 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.

3. Course Management: (25 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.

4. 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.
- Provide students with the ability to filter courses by department.

5. 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 users can explore Hotels. When a user 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:

1. User Registration and Authentication: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. Hotel Detail Page: (20 Marks)

- When a user 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

3. Hotel Booking and Confirmation: (25 Marks)

- User can book hotel from their deposited money
- User will get a confirmation mail for booked hotel

4. Hotel Reviews: (25 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:

5. 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.

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

1. User Registration and Authentication: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. 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

3. 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.

4. Recipe Display: (15 Marks)

- Display submitted recipes on the homepage.
- Each recipe should be shown with its title, image, and a brief description.

5. 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.

6. 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

Flower Sell Website

This website will blossom into a vibrant marketplace for buying and selling flowers. Users can create detailed listings with images, descriptions, and prices, while potential buyers can easily browse and purchase through a "Buy Now" button. Users will have personal accounts to manage orders and track their purchase history. To ensure a seamless experience, admins will have a dedicated dashboard to oversee listings, manage orders, and maintain a smooth flow of floral deliveries.

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

User-Facing Features:

1. Flower Listings: (15 Marks)

- Allow users to create flower listings with an image, title, description, price, and a "Buy Now" button.
- Users can filter flowers based on category..

2. User Registration and Authentication: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

3. Placing Orders: (20 Marks)

- Enable users to place orders for the flower they want to purchase. After placing an order an email will be sent to that user. And the quantity will be reduced by one.
- Orders should have a default status of "Pending" upon submission.

4. Order History: (15 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: (10 Marks)

- Create a separate dashboard for the admin to manage flowers and orders.

2. Order Management: (10 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"). and an email will be sent to that user that his/her order has been confirmed by admin. Then in the user profile page he/she see that order status "Completed".

Deployment and Submission: (10 Marks)

- Deploy the functional flower 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. They can even filter doctors by their expertise.

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. Patient Registration and Authentication: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. Appointment and Reviews: (25 Marks)

- Patients can take appointments for a particular doctor and select a preferred time for that doctor's available time.
- After taking a particular appointment under a doctor, a patient can give a review for that particular doctor.

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: (15 Marks)

- Create a homepage that showcases all the doctors name, image, expertise and view details button.
- Patients can view doctor details on another page.
- Can filter doctors by their expertise

Deployment and Submission: (10 Marks)

- Deploy the functional hospital management website on a reliable hosting platform.

Admin Dashboard : (10 Marks)

- Create an admin dashboard for admin.

Project No: 13

Name: Blood Bank

The Blood Bank aims to provide an intuitive and accessible platform, fostering a streamlined connection between blood donors and individuals requiring blood. Its goal is to enhance the blood donation experience, ensuring a smooth and effective process for both donors and recipients.

Note: You are required to implement the following features for this project. Additionally, include any other necessary fields based on the requirements.

1. User Accounts: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.
- Each user can create an event for requesting blood and there will be a Accept button which will be visible to every user's dashboard except the event creator

Note: Both recipients and donors are considered users, and each user can both give and receive blood.

2. User Details Entry: (10 Marks)

- Once logged in, donors should be able to input and save details.
- Each donor's profile should encompass key details such as their name, age, address, last donation date, and an indicator of their current availability for donation (represented by a Boolean field).

3. Dashboard: (25 Marks)

Create a navigation item named 'Dashboard' visible only to authenticated users. Within this dashboard, include the following two options:

- **Recipient Requests:** Users can view ongoing donation requests, displaying all requests along with recipient details. And if a user clicks on the accept button it will be added to their donation history.
- **Donation History:** Users can access their donation records, showcasing both received, canceled, and donated history.

5. Data Display: (10 Marks)

- Design a public homepage featuring a comprehensive display of currently available donor lists. Present relevant information in a structured and organized format. To request blood on this page, users must sign in first.

6. Search and Sort Functionality: (25 Marks)

- Create a filter option categorized by factors like blood group(selector with option O+, O-, A+, A-, B+, B-, AB+, AB-)
- Implement a search bar to quickly locate specific records. (Optional)

7. Deployment and Submission: (10 Marks) -

- Deploy the functional website on a reliable hosting platform

Project No: 14

Name: PhiBook

Welcome to PhiBook, an exquisite social media haven where captivating moments unfold in a symphony of photos and videos, offering a visual tapestry of shared experiences and connections

Note: You are required to implement the following features for this project. Additionally, include any other necessary fields based on the requirements.

1. User Accounts: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

2. User Details Entry: (15 Marks)

- Allow users to edit and save key details securely within their profiles.
- Also add location(Dhaka,Chittagong etc),phone number and necessary details.

3. Dashboard: (30 Marks)

Create a navigation item named 'Dashboard' visible only to authenticated users. Within this dashboard, include the following two options:

- **Like Unlike posts** : logged in users can like a particular post in the post details page and the total number of likes will be shown. Can dislike the post using the same button.
- **Comment**: User can comment on post details page and comment edit and delete can be done only by the user who post the comment
- **My Posts**: Users have a dedicated space to view, update, and delete their posts.
- **Add Post**: The user can create a post. (Image, text, or **optionally** videos [You can do this using YouTube video URLs])

5. Data Display: (25 Marks)

- Design a public homepage featuring a comprehensive display of random users. Where anyone can see posts of users. Present relevant information in a structured and organized format.

7. Deployment and Submission: (10 Marks) -

- Deploy the functional website on a reliable hosting platform

Project No – 15

Household Service Providing Platform

Household Service Providing Platform is a platform where a user/client can order services like house shifting, home cleaning etc. Here users can have two roles : Admin and Client. Admin can add new admin and cancel orders. Client can order services, update his profile and cancel his order.

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

User Authentication: (15 Marks)

- User registration and login.
- User profile management.
- User roles: Admin, Client.

Admin Creation: (15 Marks)

- Admin can make other user admin.

Client Profile: (15 Marks)

- Display client information and show service history.
- Client bios with profile pictures and social media links.

Add to Cart: (15 Marks)

- Users can add their service to a cart to order.

Reviews and Ratings: (15 Marks)

- Users can leave ratings for services they receive, out of 5.
- Display average ratings and sort services by rating.

Deployment and Submit: (10 Marks)

- Deploy the Household Service Providing Platform on a secure and scalable hosting platform.

Project No – 16

Vaccination Management System

Vaccination management system will have features like adding his/her age and other medical info and will select which vaccination needed and will get to know when his/her scheduled date for it. There will be at least 3-4 vaccination campaigns.

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

User Authentication: (15 Marks)

- User registration and login.
- User profile management.
- User roles: Patient, Doctor.

Add Vaccine Campaign: (15 Marks)

- Doctor can add vaccines.
- Edit or delete the schedule of vaccines.

Patient Profile: (15 Marks)

- Display patient information, add edit profile and change password.
- While registering a passenger must give their NID. All users' NID should be unique.

Dose Booking: (15 Marks)

- Allow patients to book the first dose applying date of their choice while showing all available dates.
- The other dose date will be generated automatically.

Campaign Reviews: (15 Marks)

- Patients can leave comments for campaigns.
- Patients can't leave a review if he doesn't book a service for that campaign.

Deployment and Submit: (10 Marks)

- Deploy the booking system platform on a secure and scalable hosting platform.

Project No: 17

Job Board Project

User Authentication: (20 Marks)

- Users can register for an account and log in.
- User roles: Employers and Job Seekers.

Job Listings: (20 Marks)

- Employers can create job listings by providing details such as job title, description, requirements, and location.
- Job listings should display key information, such as the job title, company name, and date posted.

Job Details: (10 Marks)

- Users can view detailed information about a job listing, including the job description, requirements, and application instructions.
- User Can Apply to a job by uploading resume and providing other information

User Dashboard: (20 Marks)

- Employers have a dashboard to manage their posted job listings, view applications, and update job details.
- Job seekers have a dashboard to track their applications, and update their profiles.

Job Categories: (10 Marks)

- Jobs can be categorized based on industries, making it easier for users to find relevant listings.

Email Notifications: (10 Marks)

- Send email notifications to users when they successfully apply for a job or when an employer receives a new application.

Deployment and Submission: (10 Marks)

- Deploy the functional website on a reliable hosting platform.

CRUD Operations:

Create:

- Employers can create new job listings by providing the necessary details.
- Job seekers can create profiles with relevant information.

Read:

- Job listings can be viewed by all users, even those who are not logged in.
- Job seekers can view the details of a job listing before applying.

Update:

- Employers can edit and update the details of their job listings.
- Job seekers can update their profiles and resumes.

Delete:

- Employers can delete their job listings.
- Job seekers can withdraw their applications.

Project No: 18

Event Management System

Overview:

The Event Management System is a web application designed to streamline the process of organizing and managing events. This system allows users to create, view, update, and delete events, along with features such as RSVPs, event details, and user management.

Features:

User Authentication: (20 Marks)

- Users can register for an account and log in.
- User roles: Event Organizers and Attendees.
- Send registration verification mail

Event Creation: (20 Marks)

- Event Organizers can create new events by providing details such as event name, date, time, location, and description.
- Include options for adding event categories, tags, and specifying whether the event is public or private.

Event Details: (10 Marks)

- Users can view detailed information about an event, including the event description, date and time, location map, attendee count and organizer details.
- Default value for attendee count is 0
- Also Event creator will be able to see the Attendee name who accepted the invitation when clicking the Attendee count field

Event Confirmation : (10 Marks)

- Attendees can see two button besides every events Accept/ Decline
- Accepted invitation will increase attendee count to the Event Model

User Dashboard: (20 Marks)

- Event Organizers have a dashboard to manage their created events, and update event details.
- Attendees have a dashboard to track their upcoming events (Can control this by filtering the events those are accepted by the user)
- Users can update their profiles.

Event Categories and Tags: (10 Marks)

- Events can be categorized based on types (e.g., conferences, parties, workshops).

Deployment and Submission: (10 Marks)

- Deploy the functional website on a reliable hosting platform.

CRUD Operations:

Create:

- Event Organizers can create new events by providing the necessary details.
- Users can create profiles with their preferences and notification settings.

Read:

- All users can view a list of upcoming events.
- Users can view detailed information about a specific event.

Update:

- Event Organizers can edit and update the details of their events.
- Users can update their profiles and notification preferences.

Delete:

- Event Organizers can cancel/delete their events.

Project No – 19

Train Ticket Booking System

Train ticket booking system is an online booking system, where users can book train tickets. The booking site should have 2 types of users: admins and passengers. Admin can add trains, change schedules, delete trains. Passengers can book tickets and choose seats.

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

User Registration and Authentication: (15 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

Add Train: (15 Marks)

- Admin can add trains.
- Edit or delete the schedule of trains.

Passenger Profile: (15 Marks)

- Display passenger information, add edit profile and change password.
- While registering a passenger must give their NID. All users' NID should be unique.

Filter and deposit : (15 Marks)

- Implement a Filter for trains by station.
- Users can deposit money to his account.

Seat Booking: (15 Marks)

- Allow users to book seats of their choice while showing all available seats.
- User can't book seats if there is no balance in his account.

Train Reviews: (15 Marks)

- Users can leave comments for trains.
- Users can't leave a review if he doesn't book a ticket for that train.

Deployment and Submit: (10 Marks)

- Deploy the booking system platform on a secure and scalable hosting platform.

Project No – 20

Pet Adoption Platform

Pet Adoption platform is an online platform system, where users can adopt pets. The platform should have 2 types of users: admins and customers. Admin can add pets and delete pets. Customers can choose and adopt pets. Some pets could be free of cost, some could be costly.

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

User Registration and Authentication: (15 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

Add Pet: (15 Marks)

- Admin and users both can add pets to the system.
- Edit or delete pet details and availability.

Customer Profile: (15 Marks)

- Display customer information.
- Allow the user to edit his profile and change password.

Filter and deposit: (15 Marks)

- Implement a filter for the category of pets.
- Customers can deposit money into their account for future adoption.

Pet Adoption: (15 Marks)

- Allow customers to adopt pets.
- Customers cannot adopt if there is insufficient balance.

Pet Reviews: (15 Marks)

- Customers can leave reviews for pets.
- Reviews are only allowed for pets that have been adopted by that customer.

Deployment and Submit: (10 Marks)

- Deploy the Pet Adoption System on a secure hosting platform.

Project No – 21

Tuition Media Platform

Tuition Media Platform is an online platform system, where users can search and apply for different tuition. The platform should have 2 types of users: admins and users. Admin can add and delete tuitions. Users can choose and apply for tuition.

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

User Registration and Authentication: (15 Marks)

- Implement a user registration and login system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

Add Tuition: (15 Marks)

- Admin can add tuition to the system.
- Admin can edit or delete tuition details and availability.

Users Profile: (15 Marks)

- Display user information with educational qualifications.
- Allow the user to edit his profile and change password.

Filter: (10 Marks)

- Users can filter tuition by class.

Apply for Tuition: (20 Marks)

- Allow users to apply for tuition.
- Admin can see all applicants for tuition. Then the admin can choose any applicant for that tuition. That tuition will be added to that applicant's profile.

Tuition Reviews: (15 Marks)

- Users can leave reviews for tuitions.
- Reviews are only allowed after an applicant gets that tuition.

Deployment and Submit: (10 Marks)

- Deploy the Tuition Media System on a secure hosting platform.

Project No: 22

Name: Joke of the Day

Joke of the Day is a light-hearted web application where users can share and enjoy jokes.

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

User Registration and Authentication: (20 Marks)

- Implement a user registration and login system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

Joke Submission: (15 Marks)

- Users can submit jokes with categories (e.g., puns, knock-knock).
- Display jokes with a focus on simplicity and humor.

Like and Share: (25 Marks)

- Allow users to like and share their favorite jokes.
- Showcase the most liked jokes on a leaderboard.
- User can give comments and reviews for every jokes

User Profile Joke Library: (15 Marks)

- Display a library of jokes on each user's profile.
- Easy access to shared and liked jokes.

Filtering: (15 Marks)

- Filtering options, such as Filtering jokes by category.

Deployment and Submit: (10 Marks)

- Deploy the Quote-of-the-Day Journal on a secure hosting platform.
- Submit the assignment data as per the given instructions.

Project No – 23

Book donate Platform

A user can donate some of his books and in reward he will get some coins. He can redeem this coin for some exciting gifts. There should be at least 4-5 gifts and the user can list books. Here admin will add some gifts for redeeming and set coin price for every gift. [For reference grameenphone or pathao use coins for redeeming offers, here the user will use coins for redeeming gifts.]

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

User Registration and Authentication: (20 Marks)

- Implement a user registration, login and logout system.
- When doing registration, the user will get an email and after clicking the email verification link his/her account will be activated and then can login to his/her account.

Add Gift Redeem: (20 Marks)

- Admin can add gifts for redeem.
- Admin can set how many coins are needed for redeeming a gift.

User Profile: (20 Marks)

- Display user information, and edit profile and change password.
- While registering a user must give their Mobile no. All users' Mobile no should be unique.

Book Listing for Donate: (15 Marks)

- Allow users to list their book for donating with necessary information required.
- He can update his list.

Campaign Reviews: (15 Marks)

- Users can leave comments for the platform.

Deployment and Submit: (10 Marks)

- Deploy the booking system platform on a secure and scalable hosting platform.