

Gujarat University

Department Of Animation, IT-IMS and Mobile Application



Project Report On

WeBlog

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CERTIFICATE

This is to certify that STUDENT NAME Student of M.Sc. IT in Data Science (5 Years Integrated), Semester – IV, Enrollment No: _____ has Satisfactorily Completed his/her Semester End Project on PROJECT TITLE By Using the Technology _____

Project Internal Guide:

Project Internal Guide Name

ABSTRACT

The purpose of online Blogging System is to automate the existing manual system by the help of computerized and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Online Blogging System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources.

The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the clients.

It is also use for creating posting and viewing the others post, ideals, entries and blogs.

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INTRODUCTION

The “online blogging system” has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate, and in some cases reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need for the company to carry out operations in a smooth and effective manner. This application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user-friendly. By using this can lead to error free, secure, reliable and fast management system.

1.1 Overall description

The main aim of this application is to provide a hassle-free accessing of the posted blogs, entries, topics etc. It also used for posting the blogs, editing the blogs, deleting the posted blogs etc. It is also used for viewing and posting the others one9s blogs/posts.

Every organization, whether big or small, has challenges to overcome and managing the information of Idea, Blogs, Entries, Content, Views. Every Online Blogging System has different Blogs needs therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better

manage resources.

~~The main aim of this application is to provide a hassle-free accessing of the posted blogs, entries, topics etc. It also used for posting the blogs, editing the blogs, deleting the posted blogs etc. It is also used for viewing and posting the others one9s blogs/posts.~~

1.2 Purpose

The main purpose of the Project on Online Blogging System is to manage the details of Blogs, Idea, Topic, Entries, Views. It manages all the information about Blogs Content, Views, Blogs. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the Blogs, Idea, Content, Topic. It tracks all the details about the Topics, Entries, Views.

1.2.1 Functionalities provided by Online Blogging System are as follows:

- Provides the post viewing facility for everyone.
- Online Blogging System also manage the Content details online for Entries details, View details, Blogs.
- It tracks all the information of Idea, Content, Entries etc.
- Manage the information of Idea.
- Shows the information and description of the Blogs, Topics.
- To increase efficiency of managing the Blogs, Topics.
- Manage the information of the Blogs.
- Editing, adding, posting and updating of Records.

1.3 Motivation and scope

The gist of the idea is to digitalize the process of manually driven ideas, topics and blog sharing among the user, small or big organizations as well as small forms And then to bake it into an web application to make it available for common people even to speed up process reducing further hassle and issues.

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Online Blogging System. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

1.3.1 Our project aims to business process

Our project aims at Business process automation, i.e. we have tried to computerize various processes of Online Blogging System.

- To utilize resources in an efficient manner by increasing their productivity through automation.
- It satisfies the user requirement.
- Be easy to understand by the user and operator
- Be easy to operate.
- Have a good user interface.
- Be expandable
- Delivered on schedule within the budget.

1.3.2 Requirements of project

- System needs store information about new entry of Blogs.
- System needs to help the internal staff to keep information of Idea and find them as per various queries.
- System needs to maintain quantity record.
- System needs to update and delete the record.
- System also needs a search area.
- It also needs a security system to prevent data.

02.PROBLEM STATEMENT

The old manual system was suffering from a series of drawbacks. Since whole of the system was to be maintained with hands the process of keeping, maintaining and retrieving the information was very tedious and lengthy. The records were never used to be in a systematic order. There used to be lots of difficulties in associating any particular transaction with a particular context. There would always be unnecessary consumption of time while entering records and retrieving records. One more problem was that it was very difficult to find errors while entering the records. Once the records were entered it was very difficult to update these records.

The reason behind it is that there is lot of information to be maintained and have to be kept in mind while running the business. For this reason we have provided features Present system is partially automated, actually existing system is quite laborious as one has to enter same information at three different places.

03.EXISTING SYSTEM

- Existing system is manual system.
- It requires lots of file work to be done.
- It is time consuming system.
- All user information is maintained manually.
- Any searching requires so much effort manually.
- There is no way of spreading the information so fast and in cheapest manner in previous system all information does not get into one place, here people can write whatever they want to write.

3.1 Drawback of existing system

- 1) Data redundancy and formatting – the various files are likely to have different formats and therefore lead to redundancy and inconsistency.
- 2) Maintaining registers is costly – traditionally documents have been stored in batches and they filed in file cabinets and boxes. A numerical system is assigned specifically a user number assigned to organize the files.
- 3) Error prone – existing system are error prone, since manual work is required. More time is consumed and errors may propagate due to human mistakes.

3.2 Benefit of project

- Data can be saved safely
- No other person can view other persons detail
- Greater efficiency
- User friendliness
- Minimum time required
- Free of cost

(1) What is the basic concept of blog?

- A blog (a truncation of “WeBlog”) is an informational website published on the World Wide Web consisting of discrete, often informal diary-style text entries(posts). Posts are typically displayed in reverse chronological order so that the most recent post appears first, at the top of the web page.

(2) What is the concept of blog marketing?

- Blog marketing is a content marketing strategy. The marketing strategy uses blogs to address potential customers directly and individually, thus achieving customer loyalty for their own brand. This type of marketing uses viral marketing methods in which an interest group is built based a blog.

(3) Who is behind a blog?

- A lot of blogs will have an “about me” page or an “about the author” page that points to the owner. Some will just have a sidebar or footer with that biographical information in it. You can use the contact information they provide – typically an email address or a phone number – to reach them.

(4) What is the main structure of a blog?

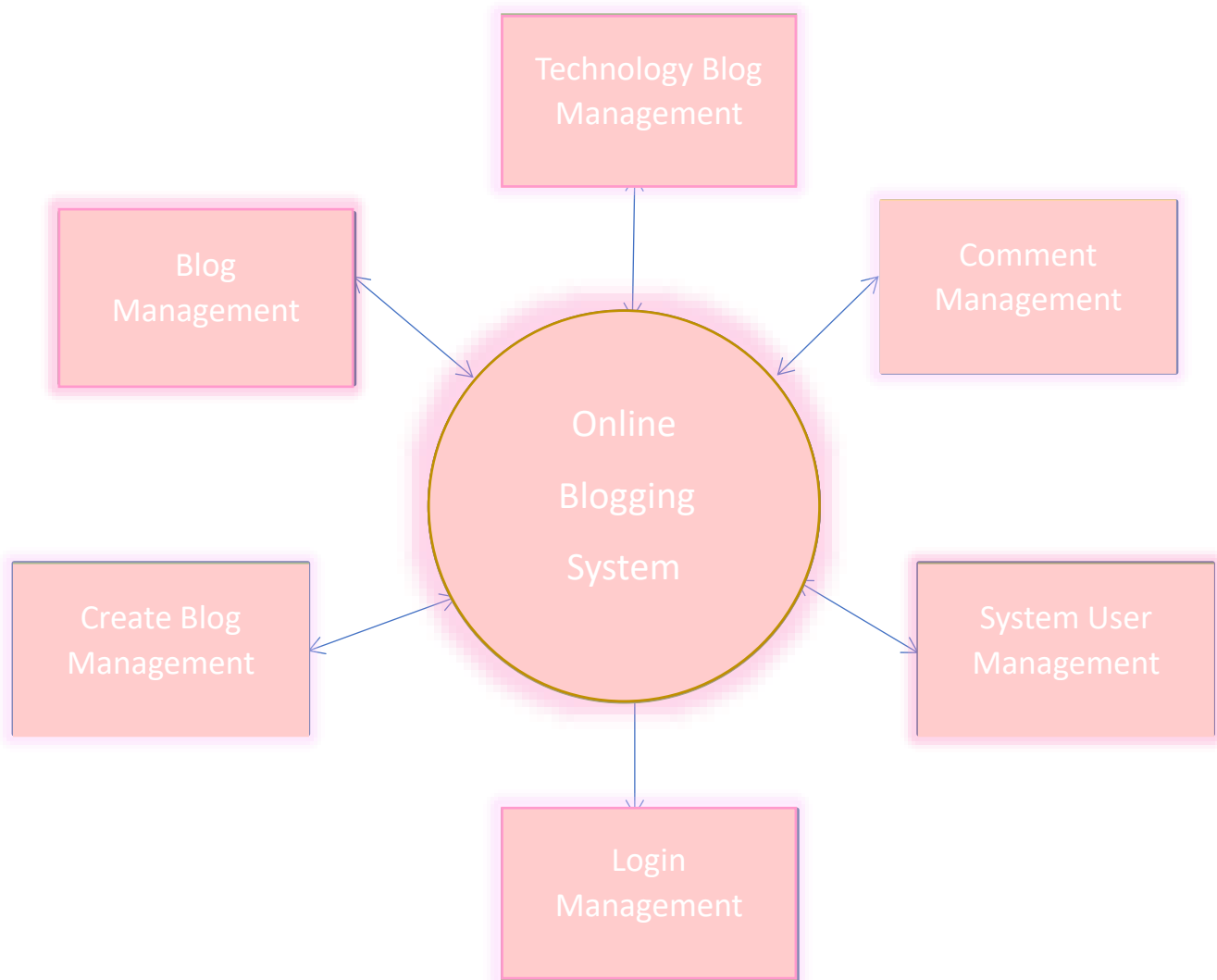
- A blog structure is an essential foundation for writing a blog article, containing the title, intro, body, and conclusion. If you are having any trouble thinking of blog posts to write about, try out a blog post ideas generator.

(5) What are the advantages of a blog?

- Blog brings traffic to your website.
- Helps you generate more leads and conversion.
- Helps you build authority on your industry.
- Best competition in organic search traffic.
- Helps you learn online marketing.

0 Level Diagram

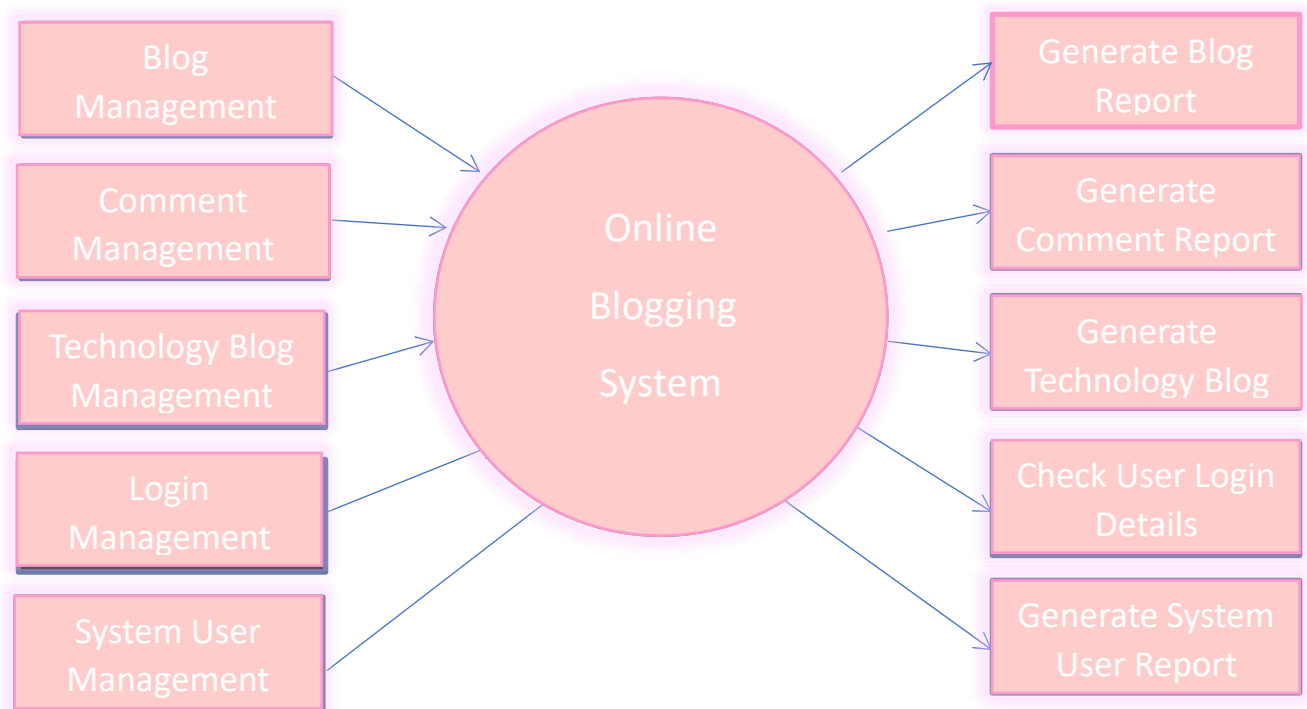
Level 0 DFDs, also known as context diagrams, are the most basic data flow diagrams. They provide a broad view that is easily digestible but offers little detail. Level 0 data flow diagrams show a single process node and its connections to external entities. For instance, the example shown below illustrates the hotel reservation process with the flow of information between admin and guests.



Zero Level DFD – Online Blogging System

1st Level Diagram

Level 1 DFDs are still a general overview, but they go into more detail than a context diagram. In level 1 DFD, the single process node from the context diagram is broken down into sub-processes. As these processes are added, the diagram will need additional data flows and data stores to link them together. In the hotel reservation example, this can include adding the room selection and inquiry processes to the reservation system, as well as data stores.



First Level DFD – Online Blogging System

TECHNOLOGY

Node.js



Node.js is a cross-platform open-source runtime environment and library used to run web applications outside of the client's browser.

Originally, it was created by Ryan Dahl in 2009. Dahl was inspired to create it after seeing a file upload progress bar on Flickr and being dissatisfied with existing solutions for building web applications. So, he decided to develop an environment that would be lightweight and easy to use.

And that's how it was born. Now, you are probably wondering what to use node js for? it is used for server-side programming and is mostly utilized for non-blocking, event-driven servers like typical websites and back-end API services.

React



The React.js framework is an open-source JavaScript framework and library developed by Facebook. It's used for building interactive user interfaces and web applications quickly and efficiently with significantly less code than you would with vanilla JavaScript.

In React, you develop your applications by creating reusable components that you can think of as independent Lego blocks. These components are individual pieces of a final interface, which, when assembled, form the application's entire user interface.

Express.js



- Express was created to make APIs and web applications with ease,
- It saves a lot of coding time almost by half and still makes web and
- mobile applications are efficient.
- Another reason for using express is that it is written in javascript as javascript is an easy language even if you don't have a previous
- knowledge of any language. Express lets so many new developers enter the field of web development.

mongoDB



MongoDB is an open-source document database built on a horizontal scale-out architecture that uses a flexible schema for storing data. Founded in 2007, MongoDB has a worldwide following in the developer community.

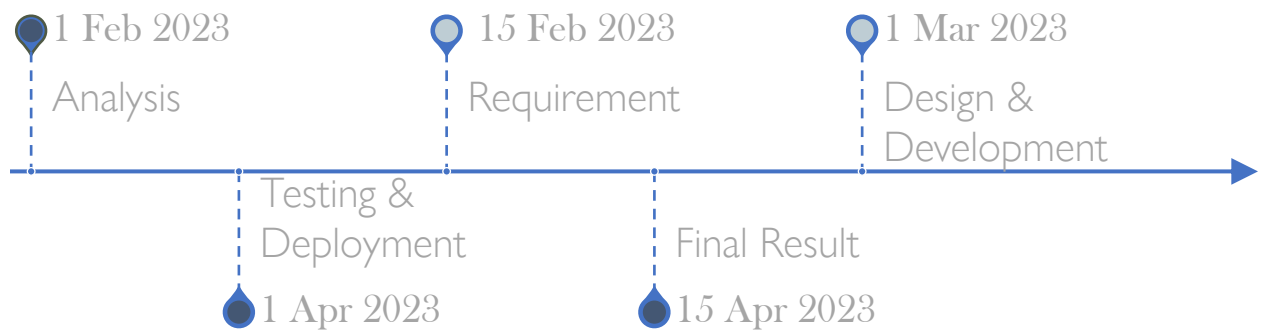
Instead of storing data in tables of rows or columns like SQL databases, each record in a MongoDB database is a document described in BSON, a binary representation of the data. Applications can then retrieve this information in a JSON format.

Activities

We provide here:-

- Contemporary Design Pattern
- Dynamic Presentation
- Typography
- Easy Navigation
- Email Subscription
- Social Media Involvement
- Numerous Posting Formats
- Structural Design
- Commenting Option
- Security
- SEO (Search Engine Optimization)
- Anti-Spamming

TIMELINE



ABOUT

1) Planning

- A clear start date 1 March 2023 to end date 15 April 2023.

2) Boundaries

- There is lot of competitors.

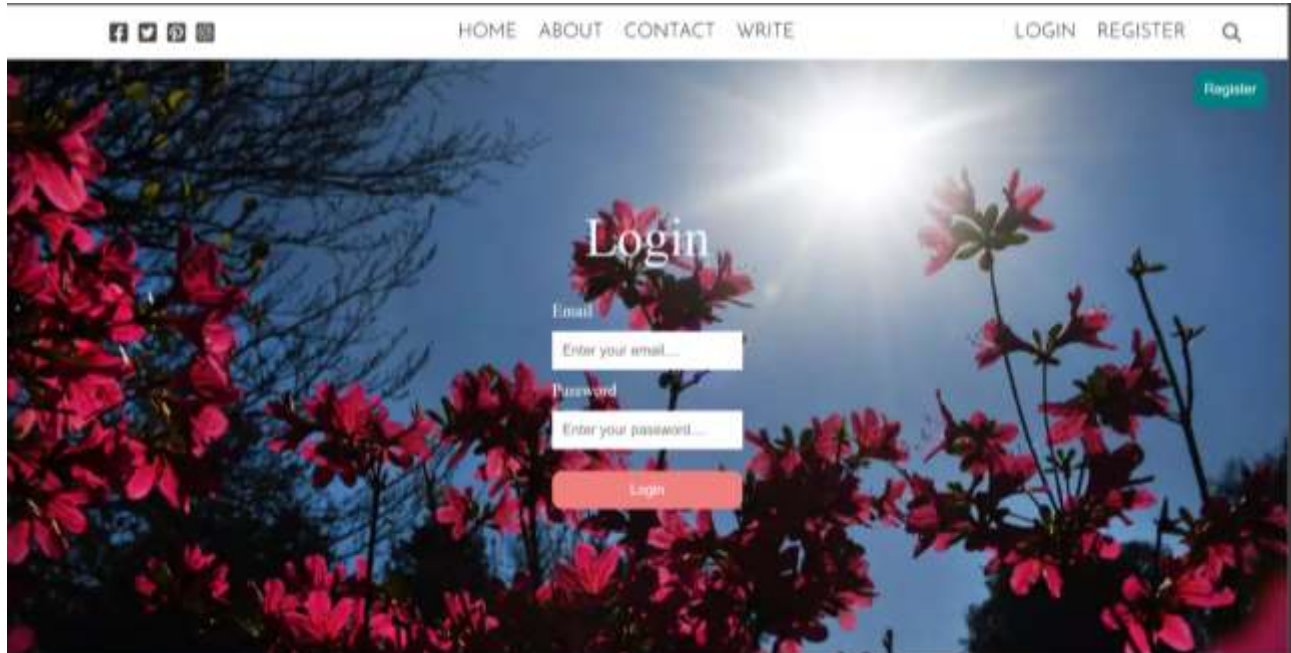
3) Something New

- Social Media Involvement
- Email Subscription
- SEO
- Anti-Spamming

4) Strategy

- There is also comfort area for writes.

Login Page



The login page features a background image of pink flowers and a bright sun. The page includes a navigation bar with social media icons, a menu (HOME, ABOUT, CONTACT, WRITE), and links for LOGIN, REGISTER, and a search icon. The main content area contains a 'Login' form with fields for Email and Password, and a 'Login' button. A 'Register' button is also present in the top right corner.

Navigation: HOME ABOUT CONTACT WRITE LOGIN REGISTER

Register

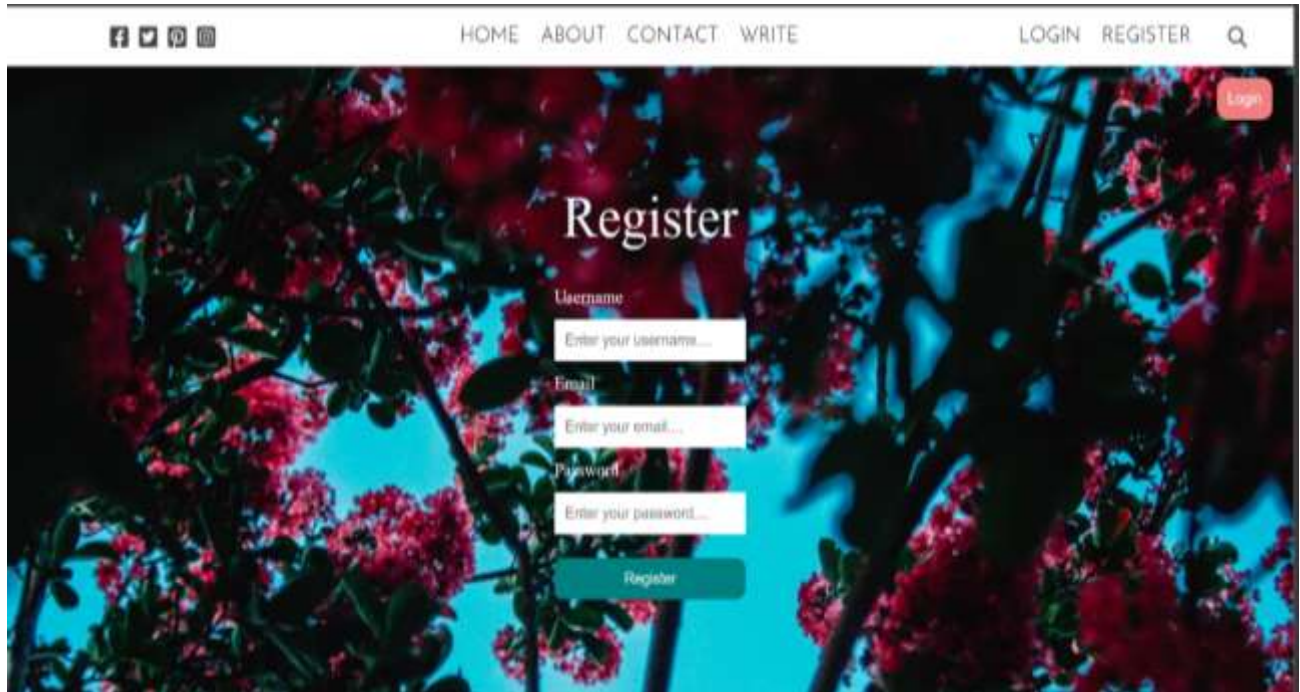
Login

Email

Password

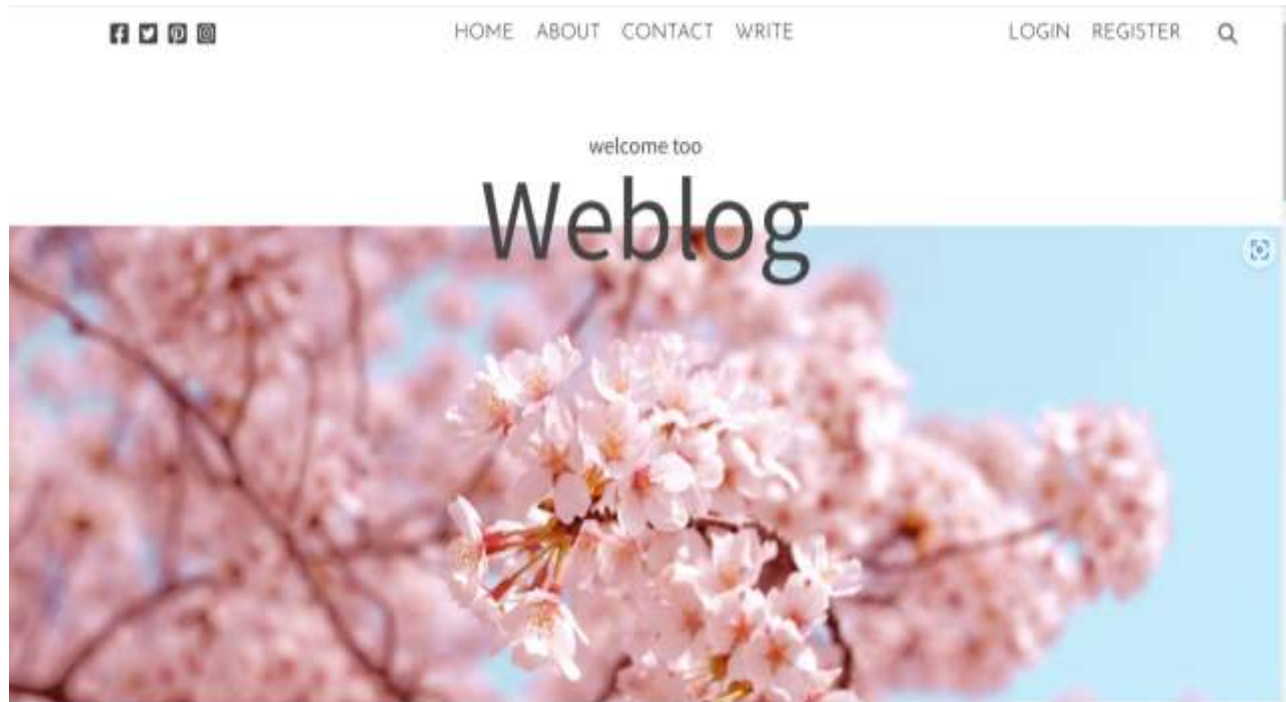
Login

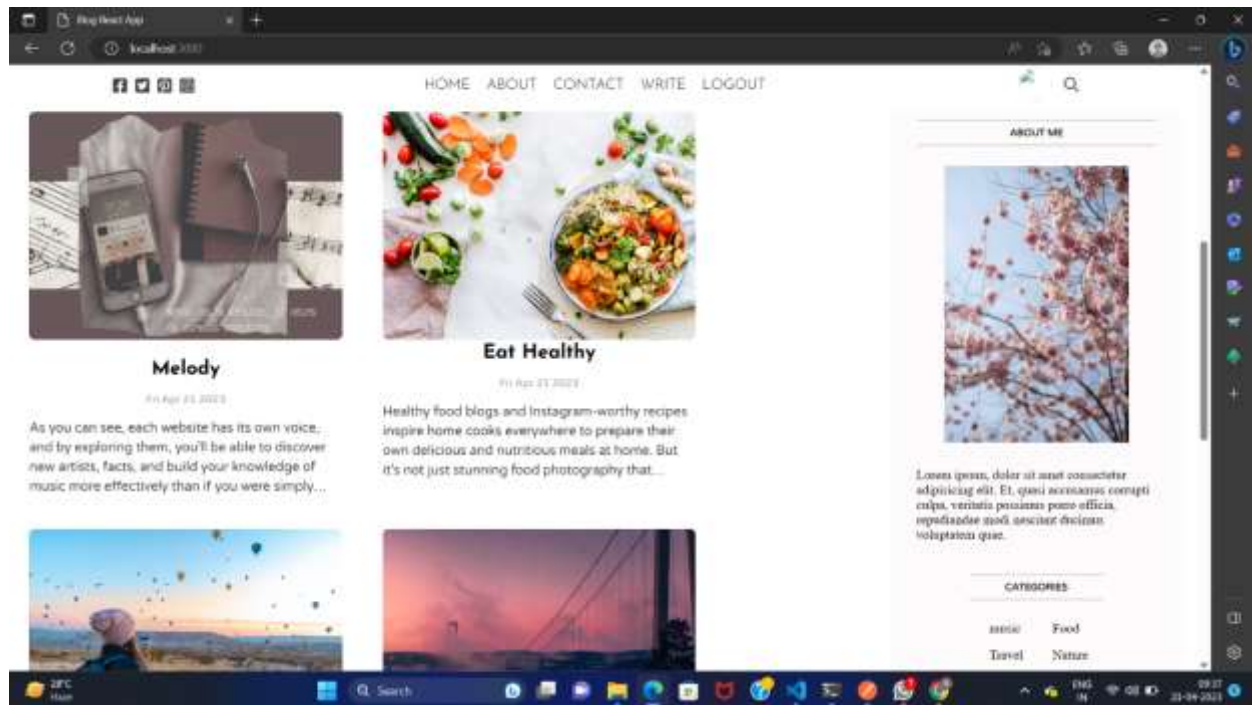
Register Page

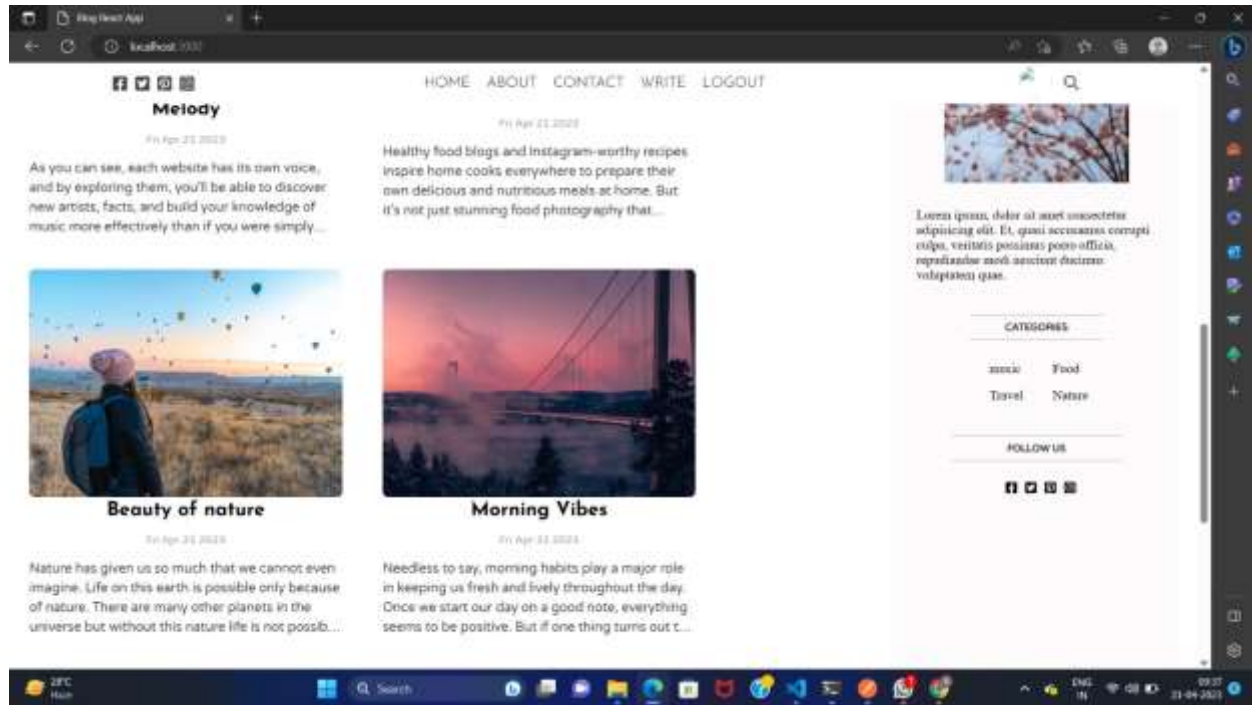


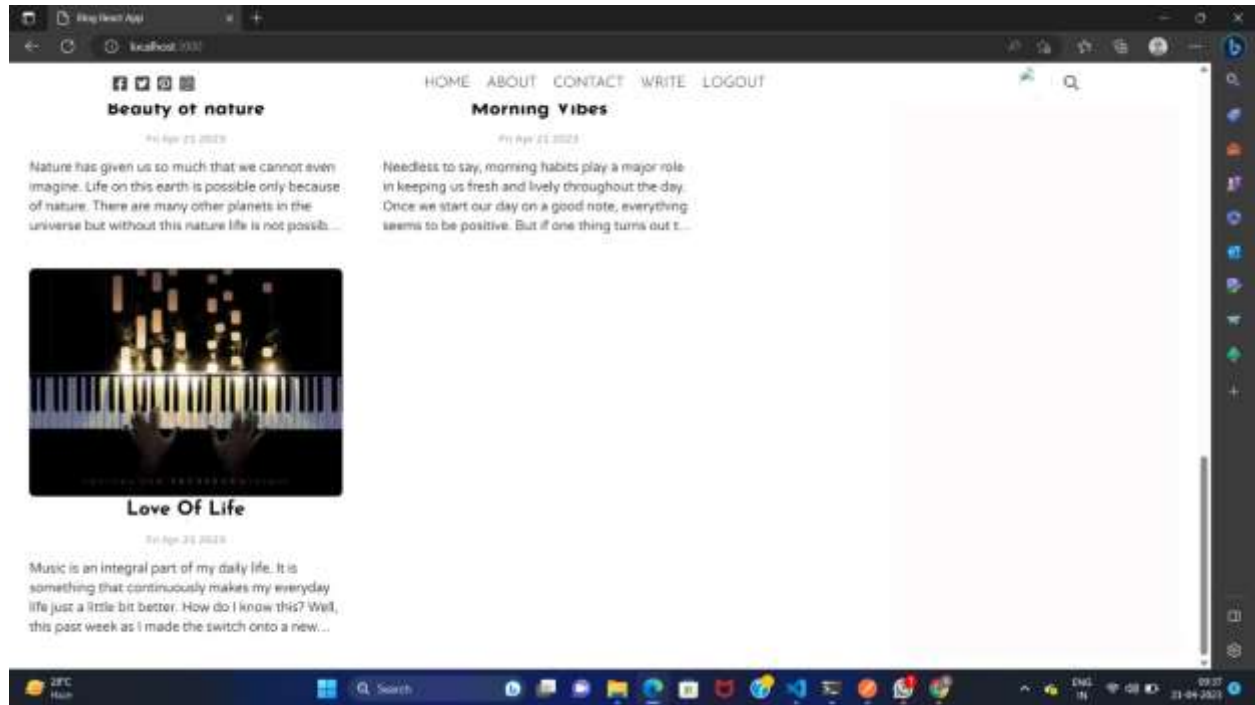
A screenshot of a web application's registration page. The page features a dark background with a vibrant image of pink flowers. At the top, there is a navigation bar with social media icons (Facebook, Twitter, YouTube, Instagram) on the left, and links for HOME, ABOUT, CONTACT, and WRITE in the center. On the right side of the navigation bar are links for LOGIN and REGISTER, along with a search icon. The main content area is titled 'Register' in a large, white, serif font. Below the title, there are three input fields: 'Username' with the placeholder text 'Enter your username...', 'Email' with the placeholder text 'Enter your email...', and 'Password' with the placeholder text 'Enter your password...'. Each input field has a small red eye icon to its left, likely for toggling password visibility. Below these fields is a green 'Register' button. In the top right corner of the main content area, there is a small red 'Login' button.

Home Page

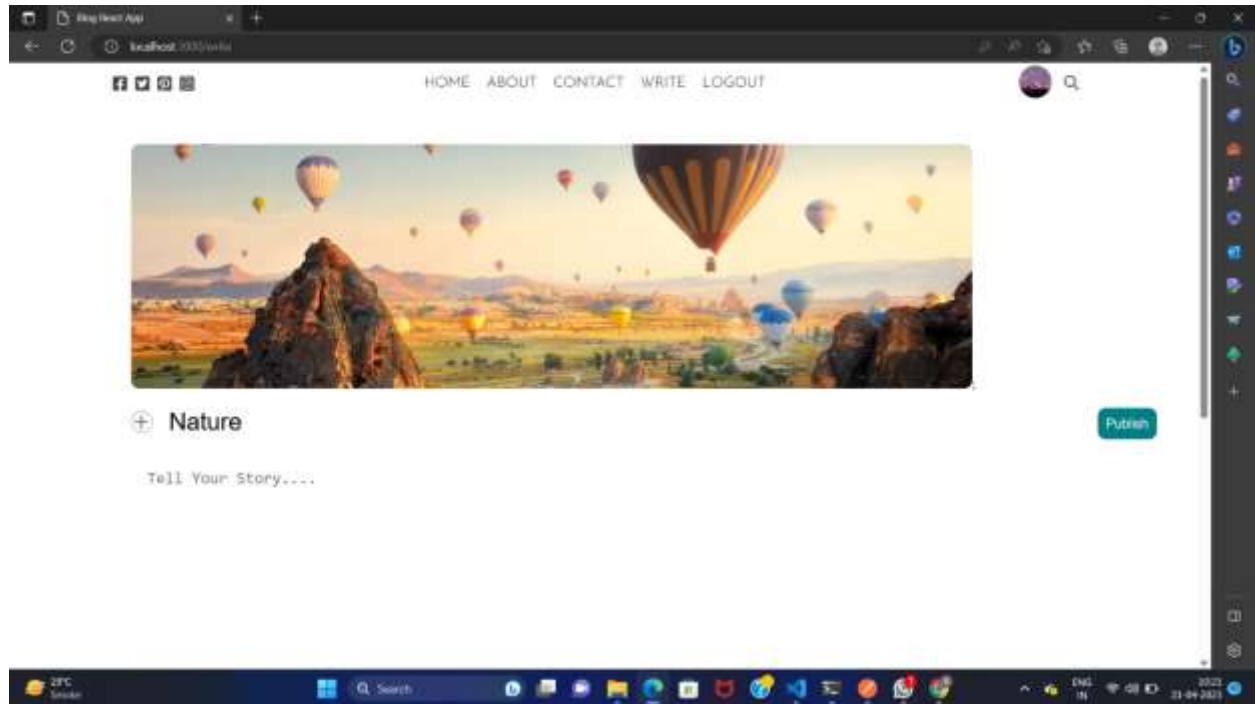


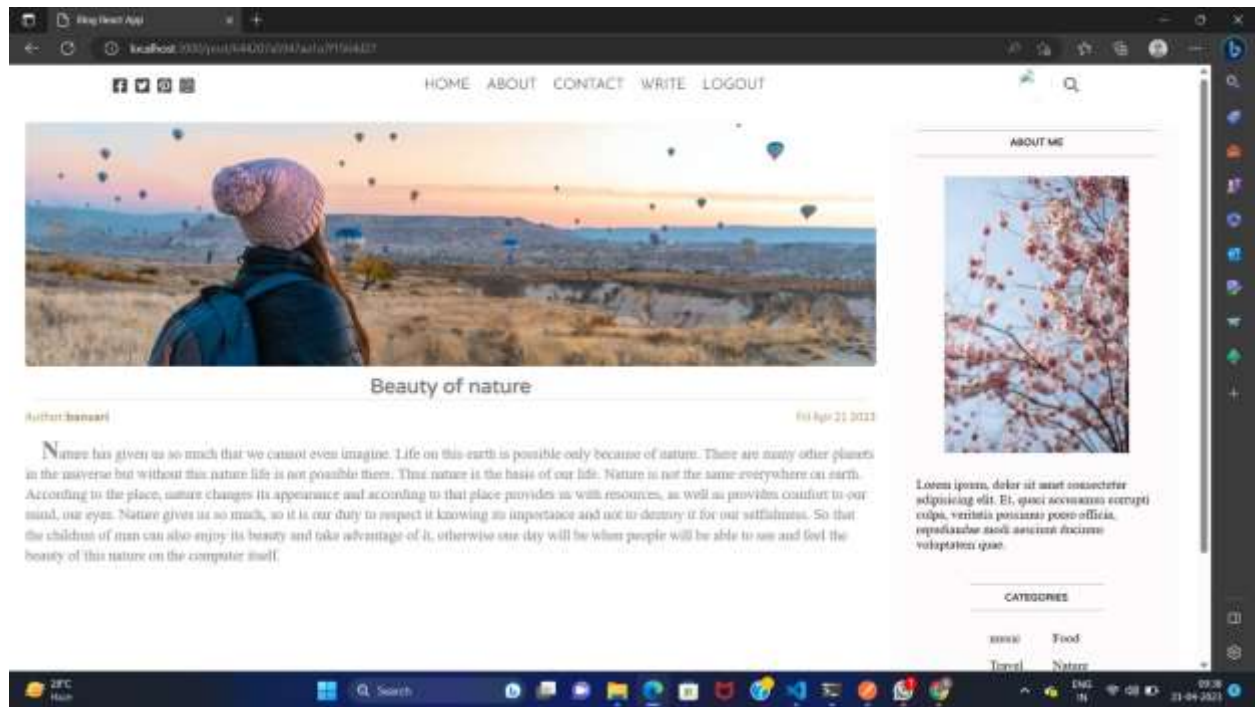


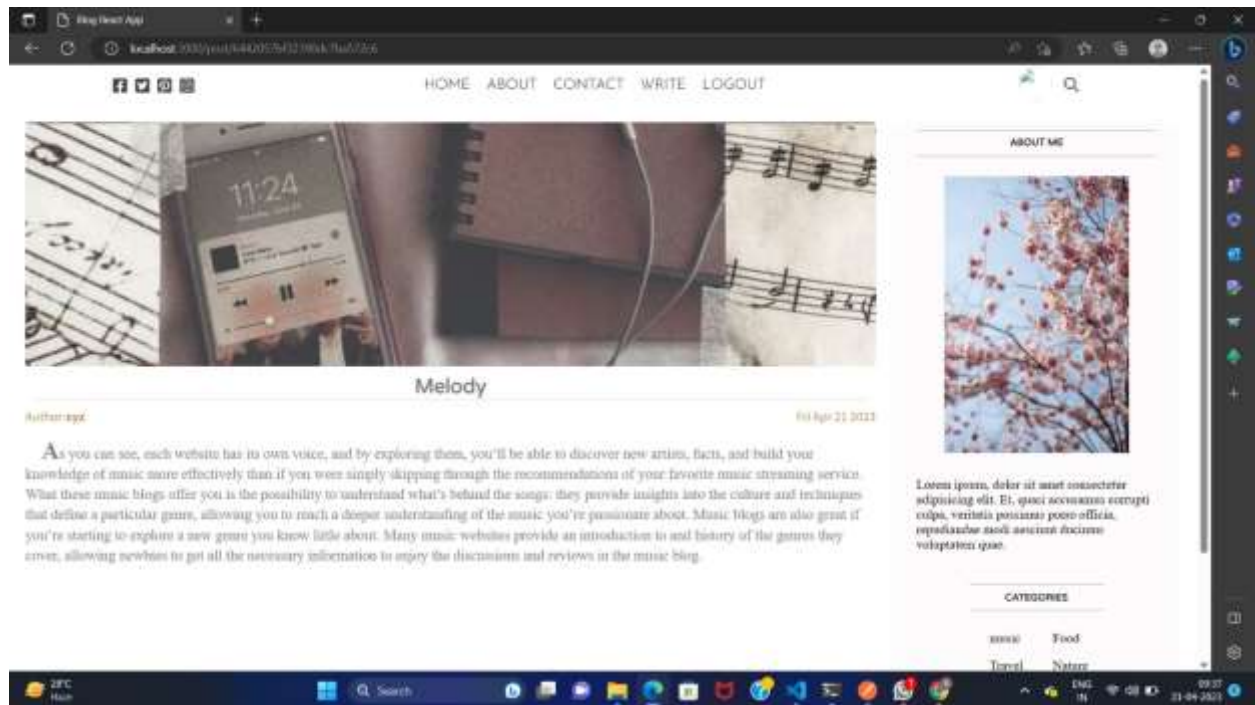


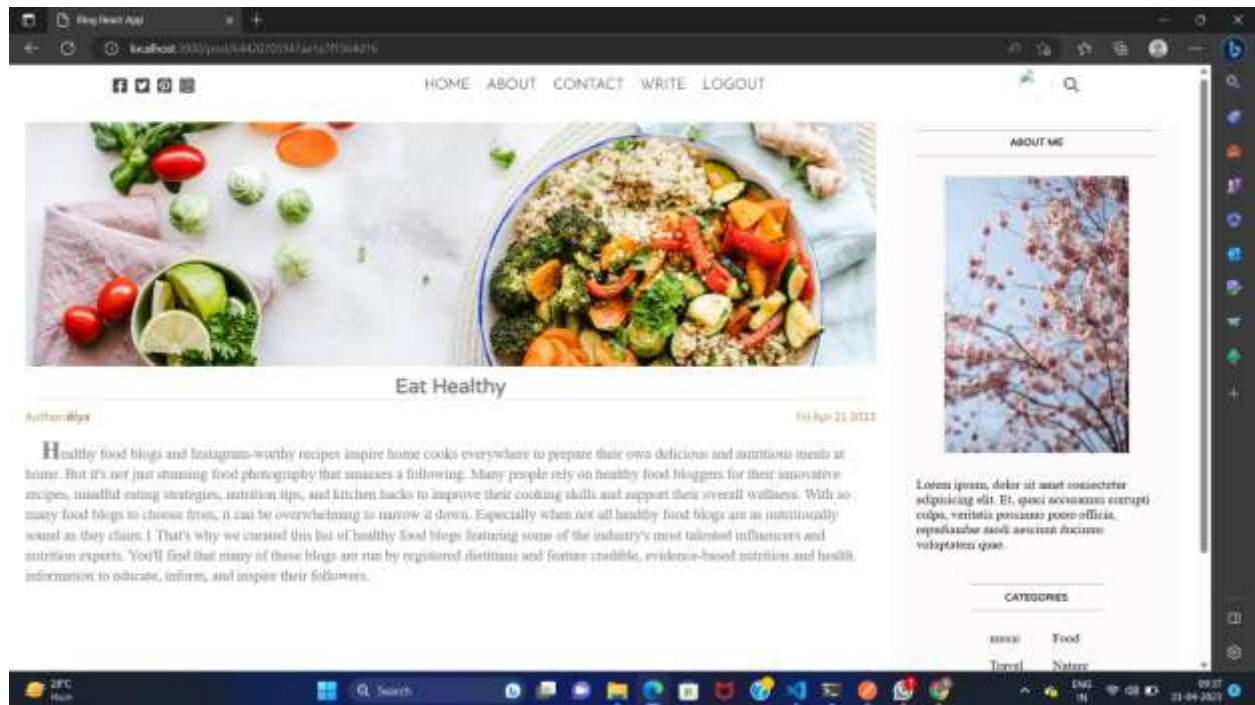


About Page

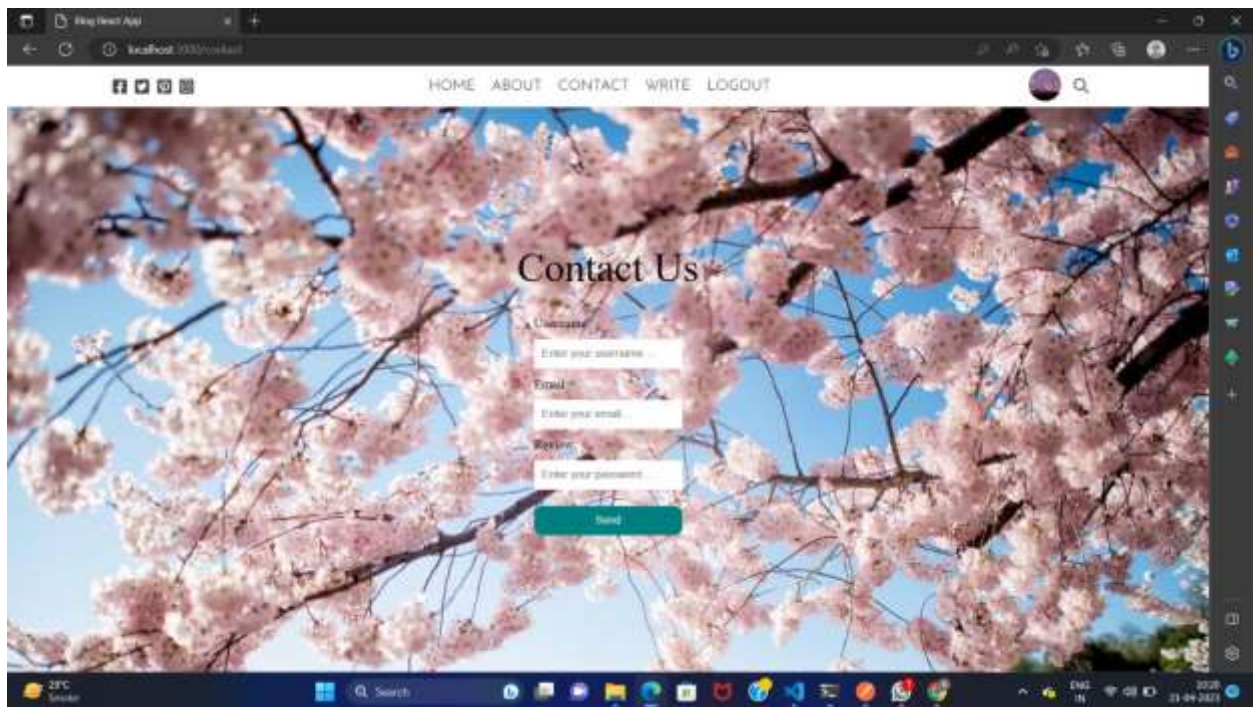






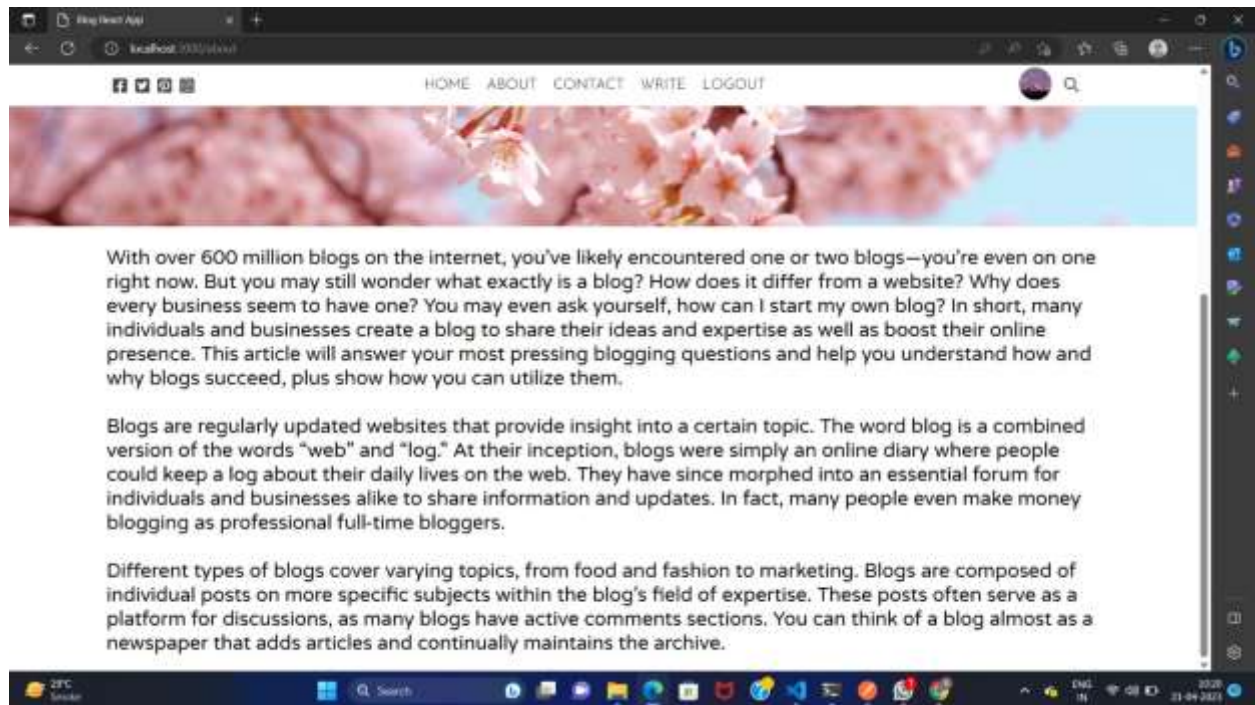


Contact Page



About Page





Admin Page

