Model Program Book

SEMESTER INTERNSHIP

Designed & Developed by

ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION
(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

SMART INTERNSHIP PROJECT REPORT ON

BUILDING A BLOG APP

Submitted in partial fulfilments of the requirements awarded for the degree

BACHELOUR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

V. VAMSI - 20T91A0443

P. JYOSNA THRAYANI - 21T95A0406

R. SATHEESH - 21T95A0407

C. MANI CHARAN KUMAR REDDY - 21T95A0410

Under the Estimated Guidance of

Mr.D.RAMESH, M.TECH(PH,D)

Associate Proffesor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

GIET ENGINEERING COLLEGE

Accredited by NAAC, Affiliated to JNTUK, Kakinada, Chaitanya Knowledge City,Velugubanda, Rajamahendravaram – 533 296, Andhra Pradesh, India.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya knowledge city, Rajahmundry-533294

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the Summer Internship project work entitled **BUILDING A BLOG APP** is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering to **GIET Engineering College**, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafide work done by NAME: V.Vamsi bearing Roll. No: 20T91A0443, NAME: P.Jyosna Thrayani bearing Roll. No: 21T95A0406, NAME: R.Satheesh bearing Roll.No:21T95A0407,NAME:C.ManiCharanKumarReddy bearing Roll.No:20T91A0423, duringthe academic year 2023-2024 and it has been found suitable for acceptance according to the requirement of university. This results embodied in the communityservice project report have not been submitted to any other university or institute for the award of degree.

Project Guide **Project Incharge**

Head of the Department

ACKNOWLEDGEMENT

Behind any major work undertaken by an individual there lies the contribution of the people who helped him to cross all the hurdles to achieve his goal. It gives me the immense pleasure to express my sense of sincere gratitude to- wards my respected guide **Mr. D. RAMESH**, for his persistent, outstanding, invaluable co-operation and guidance. It is my achievement to be guided under him. He is a constant source of encouragement and momentum that any intricacy becomes simple. I gained a lot of invaluable guidance and prompt suggestions from him during entire project work. I will be indebted of him forever and I take pride to work under him.

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.

CONTENTS

S.No	Title	Page.No
	ACKNOWLEDGEMENT	I
	ABSTRACT	II
1	INTRODUCTION	1
2	DATABASE SCHEMA	3
3	TESTING AND DEBUGGING	5
4	RESULT	9
5	ADVANTAGES AND DISADVANTAGES	12
6	APPLICATIONS	14
7	CONCLUSION	15
8	FUTURE SCOPE	16

1. INTRODUCTION

1.1 Project Overview

Before starting your blog app, it's important to define its purpose, target audience, and functionality. This will help you create a clear plan that will set you up for success. Whether you're creating a blog for yourself, your company, or your community, having a clear understanding of its goal and audience will make sure your blog is engaging and meets your needs. Building a blog app opens the door to creating a dynamic and interactive digital platform where content creators can express themselves, share knowledge, and engage with a global audience. This innovative endeavor combines technology, creativity, and community- building to provide a space where individuals, professionals, and enthusiasts can connect and communicate through various forms of content. By developing a blog app, you're embarking on a journey to empower creators, foster engagement, and contribute to the ever-evolving landscape of online communication and expression. This introduction encapsulates the essence of building a blog app — a gateway to creativity, connection, and meaningful content sharing in the digital age.

1.2 User Interface Design

Layout Design :

Design a responsive layout that is easy to navigate and user-friendly.

Color Scheme :

Choose colors that are inviting, calming, and match the overall theme of your app.

Typography :

Select a font that matches your app's theme and is easy to read.

Multimedia Support :

Ensure your app supports different multimedia types such as images, videos, and audio files.

Some of the most common ways of brainstorming blog niche ideas include: Industry based, such as a cryptocurrency or art blog. Audience based, by targeting audiences like small business owners or newlyweds. Subject based, like news content and movie reviews.

2. DATABASE SCHEMA

Create a database schema that suits your app's requirements, making sure it can manage your data efficiently. Use the most appropriate database system for your app, such as MySQL or MongoDB. Consider data redundancy and normalization for optimal performance.

- **Backend Development**

1 API Design Design an API that provides clear and meaningful endpoints for your app.

2 Server-side Logic Write server-side logic for your app that interacts with the database and provides the required functionality to the client-side.

3 Error Handling Handle errors elegantly and provide helpful error messages for better user experience.

- **Frontend Development**

"Good code is like a story! You don't have to explain it if it is well written." – Dustin Boswell Use JavaScript and a modern frontend framework like React or Vue to create an intuitive user interface. Write clean, organized, and modular code that's easy to maintain. Use efficient algorithms and minimize the use of third-party libraries.

- **Mobile Responsiveness** Ensuring that the app functions well and looks good on various devices and screen sizes is a significant challenge,especially with the increasing use of mobile devices.

2.1 Proposed Solution

1. Planning and Design: Define the features you want in your blog app. Decide on the user interface, layout, and overall design. Plan the database structure to store blog posts, user information, and other relevant data.

2. Choose a Technology Stack: Decide on the programming languages, frameworks, and tools you'll use to develop the app. Common choices include using a backend language like Python (Django/Flask), Ruby (Ruby on Rails), or JavaScript (Node.js) along with a frontend framework like React or Vue.js.

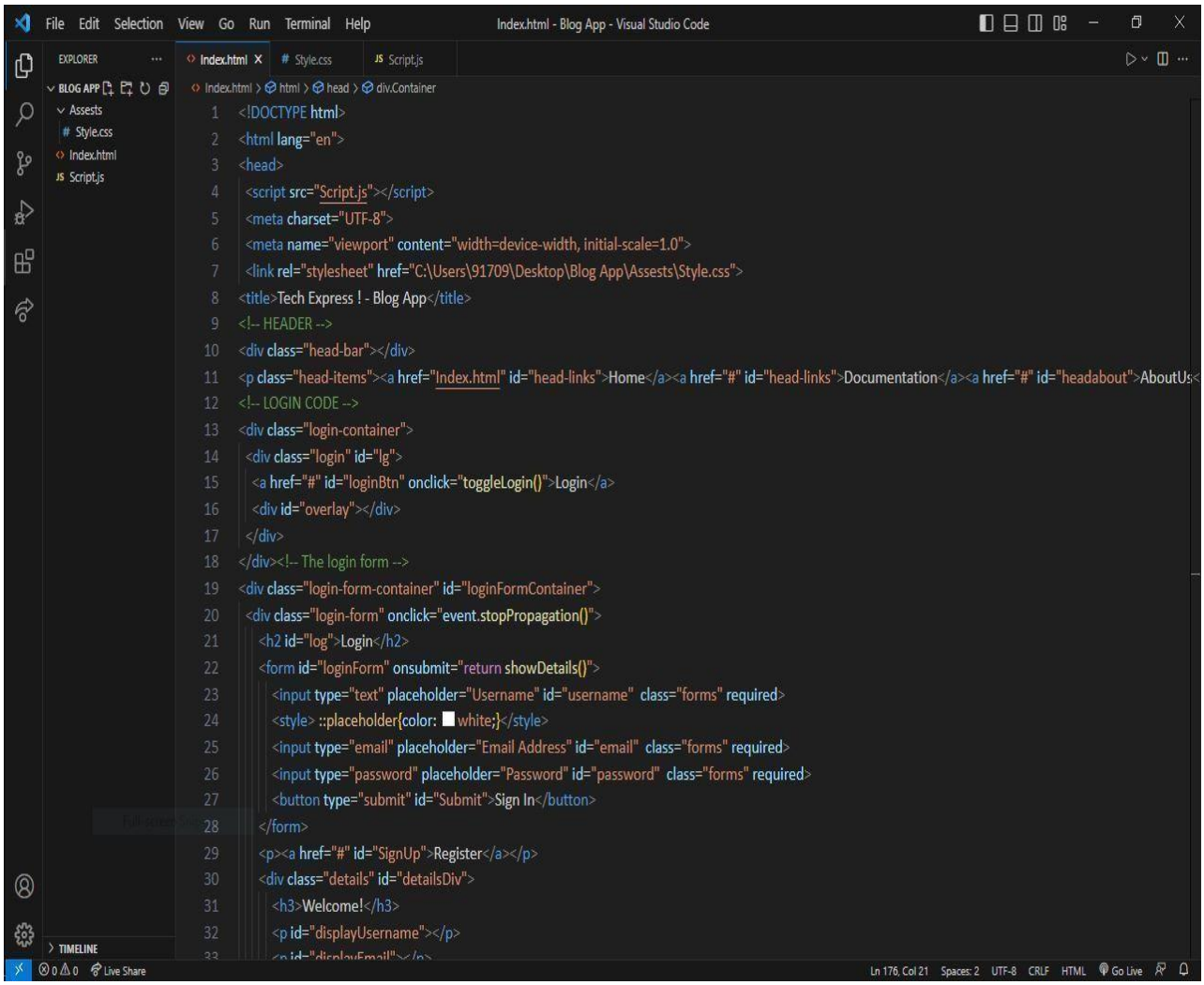
3. Backend Development: Create the backend of the app, which will handle data storage, retrieval, and business logic. Implement features like user authentication, blog post creation, editing, and deletion, as well as user comments and likes.

4. Frontend Development: Develop the frontend of the app, focusing on the user interface and user experience. Implement pages for displaying blog posts, user profiles, and any other relevant features. Make sure the app is responsive and works well on different devices.

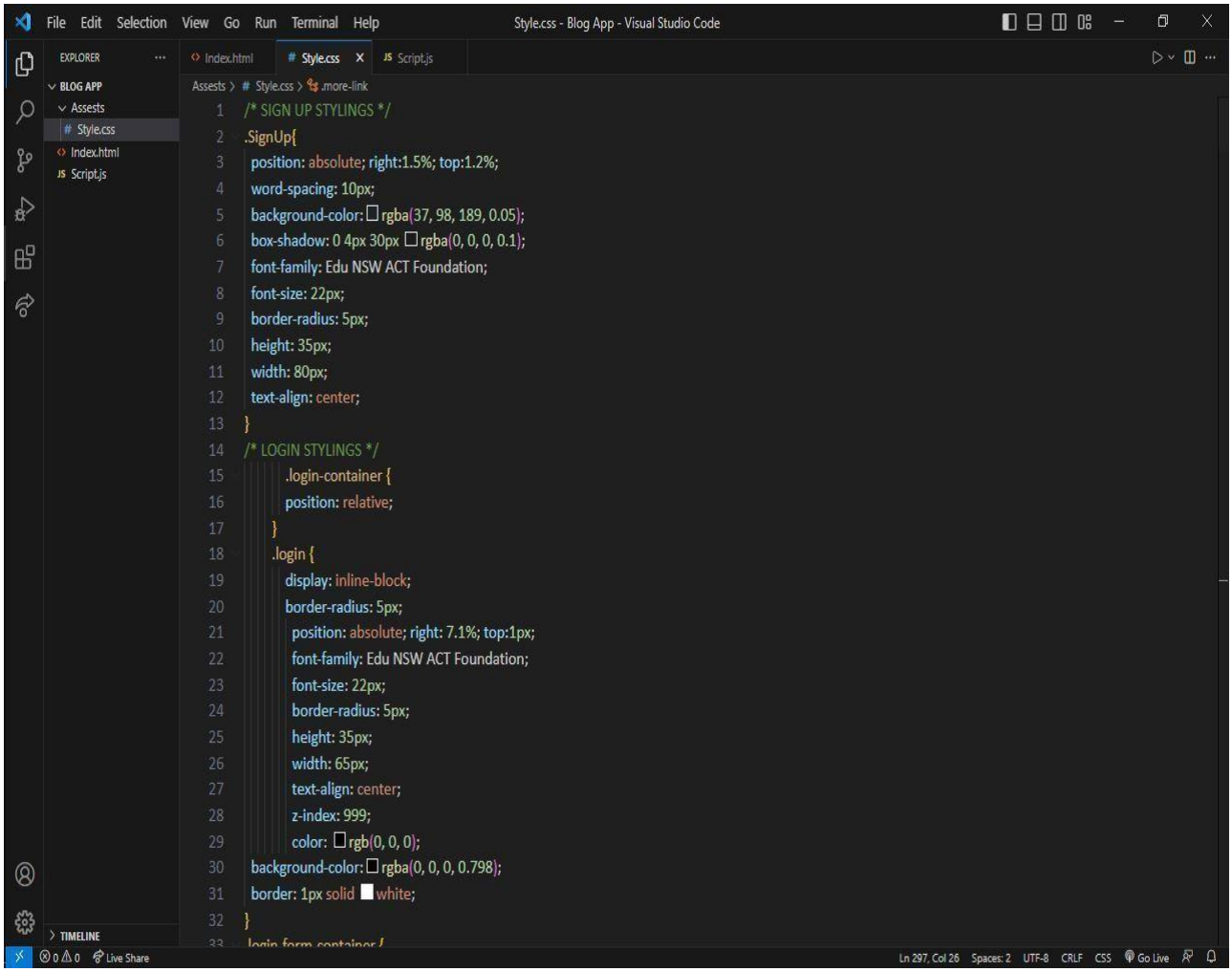
3. TESTING AND DEBUGGING

3.1 Software Designing

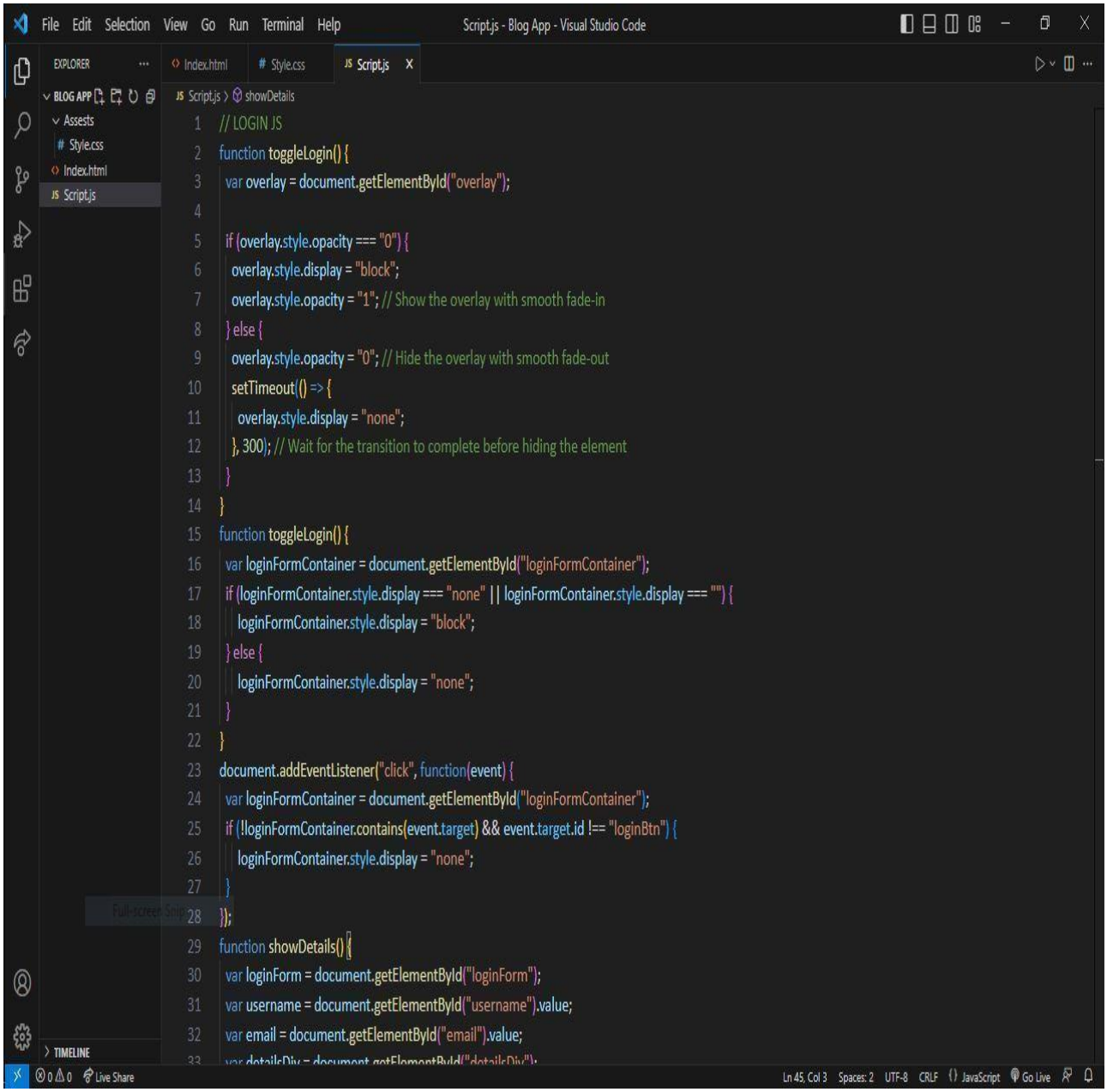
As we did this project based on HTML, CSS, JAVASCRIPT programming languages. The below images shows the code about these three languages as reference code or image.



HTML Code


File Edit Selection View Go Run Terminal Help
Style.css - Blog App - Visual Studio Code
EXPLORER
BLOG APP
Assests
Style.css
Index.html
Script.js
Index.html
Style.css
Script.js
Assests > Style.css > .more-link
/* SIGN UP STYLINGS */
.SignUp{
position: absolute; right:1.5%; top:1.2%;
word-spacing: 10px;
background-color: rgba(37, 98, 189, 0.05);
box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
font-family: Edu NSW ACT Foundation;
font-size: 22px;
border-radius: 5px;
height: 35px;
width: 80px;
text-align: center;
}
/* LOGIN STYLINGS */
.login-container {
position: relative;
}
.login {
display: inline-block;
border-radius: 5px;
position: absolute; right: 7.1%; top:1px;
font-family: Edu NSW ACT Foundation;
font-size: 22px;
border-radius: 5px;
height: 35px;
width: 65px;
text-align: center;
z-index: 999;
color: rgb(0, 0, 0);
background-color: rgba(0, 0, 0, 0.798);
border: 1px solid white;
}
TIMELINE
Live Share
Ln 297, Col 26 Spaces: 2 UTF-8 CRLF CSS Go Live

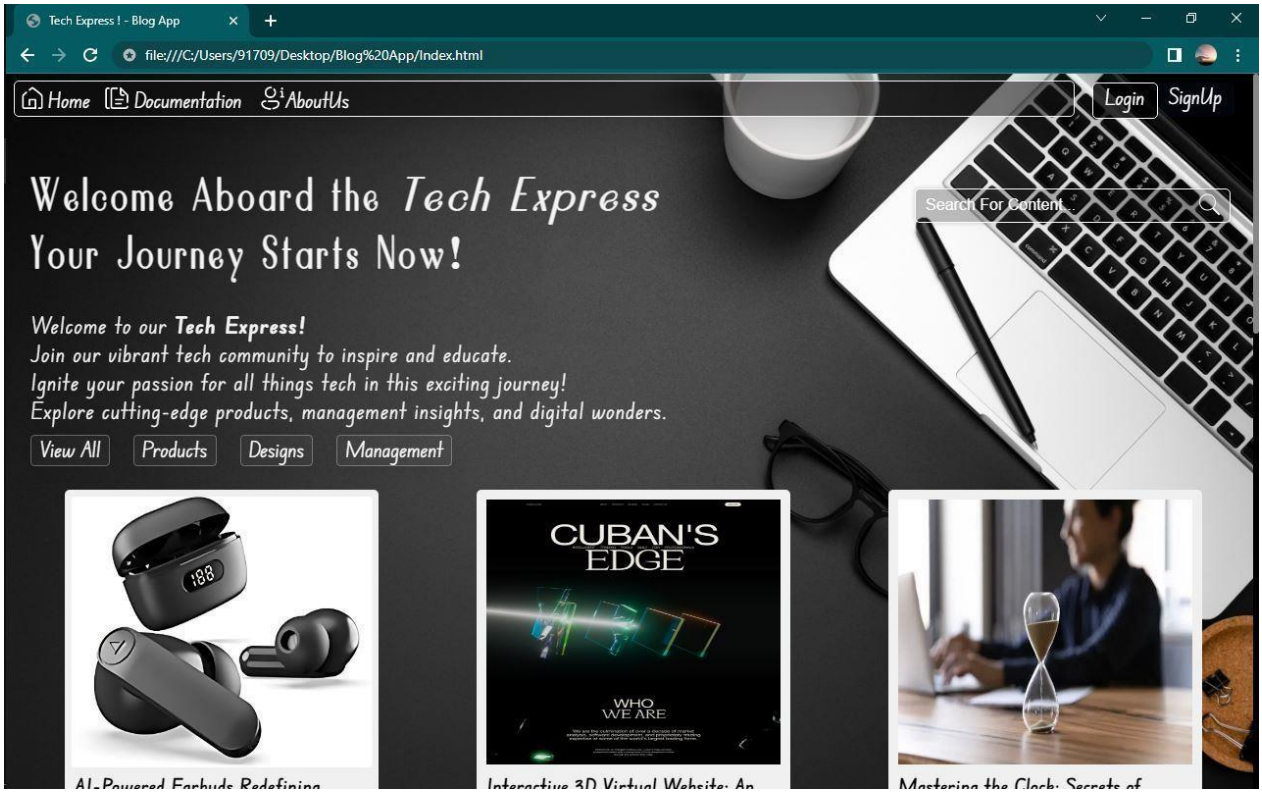
CSS Code



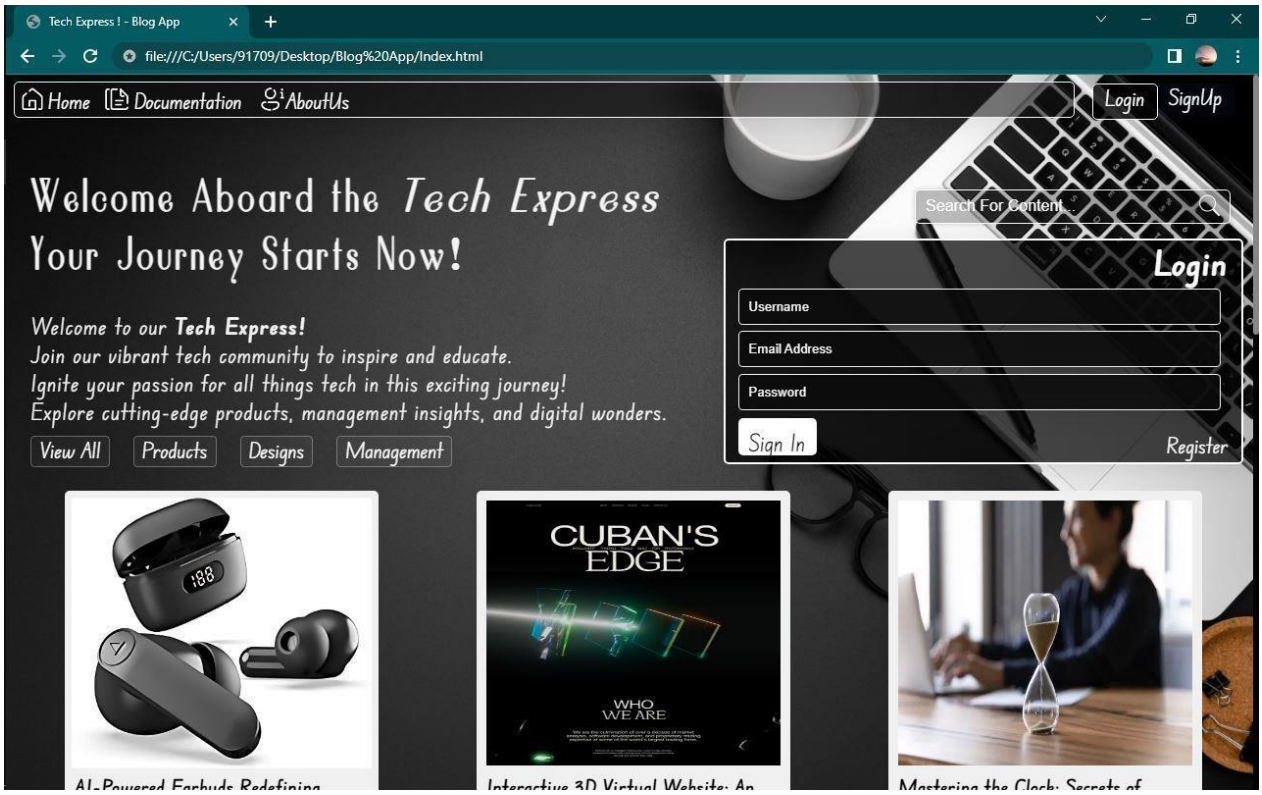
JAVASCRIPT Code

4. RESULT

Using html,css,java script we built a blog app.The results of blog app is given below.



Building a blog app



5. ADVANTAGES AND DISADVANTAGES

Advantages:

- Blog Brings Traffic to Your Website
- Helps you Generate More Leads and Conversions
- Helps you Repurpose Content for Other Marketing Channels
- Helps you Build Authority in Your Industry
- Helps You Strengthen Brand Recognition
- Helps You Build an Engaging Audience
- Share Business News, Announcements, Sales, and More
- Helps You Improve Long Term SEO
- Beat Competition in Organic Search Traffic
- Allows You to Educate Customers
- Build Additional Revenue Streams for Your Business
- Helps You Learn Online Marketing
- Unlocks Partnerships and Opportunities for Growth
- Helps You Find Your Dream Job

These are the advantages of blogging.

Disadvantages:

1. **Competition and Saturation**: The blogosphere can be saturated with content, making it challenging for new blogs to stand out and attract an audience.
2. **Time and Effort**: Consistently creating and publishing quality content can be time-consuming, especially for creators with busy schedules or other commitments.
3. **Technical Challenges**: Building and maintaining a blog app requires technical knowledge, which can be a barrier for those who are not familiar with programming and web development.
4. **Monetization Uncertainties**: Monetizing a blog app can be unpredictable, as income from ads, affiliate marketing, or other sources might vary and take time to establish.
5. **Audience Building**: Attracting and growing an audience requires strategic marketing efforts, networking, and engagement, which can be a challenge, especially for new bloggers.
6. **Content Theft and Plagiarism**: Online content can be vulnerable to theft and plagiarism, which can undermine the originality and credibility of a blog.
7. **Technical Maintenance**: Ongoing technical maintenance, updates, and security measures are necessary to ensure the smooth functioning of the app and protect user data.

6. APPLICATIONS

The most common type of blog is the small busines's duct or services to prospective customers.Blogs are used to:

- Help your company rank on search engines.
- To cultivate online community and engage with audiance.

Blog is mainly used to attract visitors to your site and turn those visitors into lead.

there are some different types of blogs are there:-

- Travel blog.
- Fassion blog.
- Corporate blog.
- Personal blog.
- Reverse blog.
- sewing blog.
- Collaborative blog.

e.t.c.. these are some different types of blogs that we are using in differen applications.

Generally blogs are used in company management.Taht blog gives rushto your company. we can able to teach our concept eassyly to our customers.

7. FUTURE SCOPE

Building a blog app opens up several potential future directions and enhancements that you could consider:

1. **User Engagement Features**: Implement features like user profiles, follower/following functionality, and notifications. This can enhance the community aspect of your app and keep users engaged.

2. **Rich Media Integration**: Allow users to embed videos, podcasts, and interactive elements within their blog posts to make content more engaging and diverse.

3. **Collaborative Blogging**: Enable multiple authors to collaborate on a single blog post or series, allowing for diverse perspectives and collective content creation.

4. **Content Recommendations**: Use machine learning algorithms to analyze user preferences and behavior, then provide personalized content recommendations to users.

5. **Monetization Options**: Integrate options for monetization, such as ads, paid subscriptions for premium content, or affiliate marketing partnerships with relevant products/services.

8. CONCLUSION

While developing a system a conscious effort has been made to create and develop a software package, making use of available tools, techniques and resources that will generate the proper system cases.

While making the system an eye has been kept on making it as user friendly as such one may hope that the system will be acceptable to any user and will adequately meet his/her needs. As in case of any system development process where are number of short comings, there have been some short comings in the development of this system also.

9. REFFERENCES

Python documents:
https://docs.python.org/3.3/https://docs.python.org/3.3/install/index.html

Django :

url: https://docs.djangoproject.com/en/3.0/intro/

Django quick installation:
https://docs.djangoproject.com/en/3.0/intro/install/

https://djangocentral.com/building-a-blog-application-with-django/

https://djangocentral.com/how-to-a-create-virtual-environment-for-python/