

CPE Project Proposal

Blog Web-Application

Rationale

Blog Web-app enables the users to create innovative and attractive articles with photos in just a few simple steps. The user just needs to upload some images of his choice and can also upload the information or can select from the given category list. This website will provide a personalized environment that would contain the data in motion with images.

There are many reasons to start a blog for personal use and only a handful of strong ones for business blogging. Blogging for business, projects, or anything else that might bring you money has a very straightforward purpose – to rank your website higher in Google SERPs, a.k.a. increase your visibility.

So, the main purpose of a blog is to connect you to the relevant audience. Another one is to boost your traffic and send quality leads to your website.

Introduction

Blogging has become such a mania that a new blog is being created every second of every minute of every hour of every day. A blog is your best bet for a voice among the online crowd. Blogs were usually the work of a single individual, occasionally of a small group, and often covered a single subject. More recently, "multi-author blogs" (MABs) have developed, with posts written by large numbers of authors and professionally edited. MABs from newspapers, other media outlets, universities, think tanks, advocacy groups, and similar institutions account for an increasing quantity of blog traffic. The rise of Twitter and other "microblogging" systems helps integrate MABs and single-author blogs into societal new streams. Blog can also be used as a verb, meaning to maintain or add content to a blog. A novel is a long, fictional narrative which describes intimate human experiences. WEBLOG is a combination of both Blog as well as Novels. Blog contain the Information of various things related to Technology, Education, News, International, Business, Sports, Entertainment and ongoing college activities. The main aim of this project is to provide data to users in only one site. Users can gather the information from one site as well as give their feedback and create their own blog. Users can post their views and thoughts and analyze themselves. Besides all such core functionalities,

the application also includes features like FAQ, request, feedback etc. so as to provide a satisfactory user experience.

Literature Survey

Abstract

“In Our project of Blog Web App we built a web application in which in one person with knowledge of any specific topic can write an article and post it share it with the people worldwide so that they can use it research purposes , entertainment , education ,business promotions and many others fields .In the Project of Blog Web app .We have used Django as a framework of python and other front -end technologies for building this site .This web site has almost all the features that compete with the modern day site and we made responsive so that we can also use it on mobile screens.It also has password change / reset functionality through email (SMTP) if the users forget their passwords”

Literature Review

In this section we presented reviews of all related research papers , previously built projects , project reports , sources of learning technologies etc.

1. Google Bloggers :

Google Bloggers is a blog web application by Google which lets users with google account can post articles and do earn from the articles they post this application was the inspirations for us to built a blog application

2. Social Networking for Web-Based Communities:

From Social Networking for Web-Based Communities(2013) by Tomayess B.T Issa we learnt about the web application as social networking site

3. Social Networking:

From Social Networking (2019) by Matthew N.O Sadiku,Adedamola A.Omotoso,Sarhan M Musa took the plan of building a social media site for sharing content to others

4. The Django Based Educational Resource sharing Website:

From The django Based Educational Resource sharing Website(2020) by Adamya Shayam gave us an methodology for uploading media content on website to make our site more functional for the user

5. Web Application Development:

From Web Application Development by Ashish Arora we learnt about the basic idea for web development for web application and its advantages and disadvantages of web application .

6. Issues and Challenges of using Web Blogs as a Medium for Research Communication:

From Issues and Challenges of using Web Blogs as a Medium for Research Communication by Zuwati Hasim we gathered information about how users use the blogs for research and resource collection and it gave us an idea for search queries of blogs to show relevant information /results

7. Tumblr:

Tumblr is a blog web application which lets users with tumblr account can post articles and do earn from the articles they post this application was the inspirations for us to built a blog application

8. Medium:

Medium is a blog web application which lets users with a medium account can post articles and earn from the articles they post. This application was the inspiration for us to build a blog application. It is an easy-to-use blogging platform with limited social networking features.

9. Ghost:

Ghost is a blog web application with Simplified user interface which lets users with ghost account can post articles and do earn from the articles they post this application was the inspirations for us to built a blog application

10. Django Crash Course:

From Django Crash Course by Daniel Roy Greenfeld and Audrey Roy Greenfeld we learnt Django framework about different aspects of django framework about views , URLs ,models ,templates , admin etc.

11. Bootstrap:

From Bootstrap by Maher Flosa we learnt about the reference file for Bootstrap how to use Bootstrap classes

12. SQLite Database:

From SQLite Database by Waseem Wsm we learnt about the reference file for Sqlite database which came by default with django framework to store our data

13. Javascript Reference:

From Javascript Reference b y Majo Flosa we used it as our reference for javascript in front end used in the front of the project

14. Optimizing Front-end Applications and Javascript:

From Optimizing Front-End Applications and Javascript by V . Myalapalli we used it as our reference for to learn javascript and imply as much as the functionality for project

15. The Definitive Guide to Django Web Development Done Right:

The Definitive Guide to Django Web Development Done Right by Obak Kando, Adrian Holovaty used it as our reference for the django framework in a more comprehensive way .

16. Photo Blog Web Application using Twitter Bootstrap:

From Photo Blog Web Application using Twitter Bootstrap(2015) by Daniel J LeBlanc gave us an methodology for uploading media content on website with the use of Bootstrap

17. Django 2 by Example:

From Django2 by Example by Packt Publication we took the features like comments and tags for our posts/articles. These are additional features which made our site more appealing and flexible and als to compete with modern-day sites

18. Django 3 for Beginners:

From Django3 for Beginners by Wiiliam Vincent we learnt about basic working and terminologies , different approaches of writing django code for blog application we learnt about the admin pages , templates etc.

19. Blog in web application: a software engineering perspective :

From Blog in web application: a software engineering perspective by Karan Gupta, Anita Goel gave us the importance of blogging in the field of education , entertainment , business etc.

20. A python Book:Beginning Python,advanced Python and Python Exercises:

A python Book:Beginning Python,advanced Python and Python Exercises by Kedar Jain we learnt about the basic of python programing language, about OOP concepts , different paradigms ,

21. Learn to program with python3:

From Learn to program with python3 by Apress we learnt about the basic of python programing language, about OOP concepts , different paradigms

22. Webblog:

From Webblog by Kritika Chauhan we looked in the report for the blog web application .

23. Research Methodologies for Beginners:

From Research Methodologies for Beginners by Kitsakorn Locharoenrat by which we learnt about the research writing for the project

Problem Definition

Develop a web application which facilitates users to create a blog online which lets them write or read articles on any topic they want .It can be used without installing any software on users device and also which can be used by any novice user

Nowadays , there are many services available online and offline for sharing information but none of them is simple or reliable . In Offline Blog there is always a need for paper , ink to print the article and costs money to publish it and in Online Services some are free and some are paid ,not so user friendly etc

First Problem to is create a website which is simple to use and intuitive enough to interact with immediate response

Second Problem is to manage the services like database and Server well so that users face minimal latency or never face timed out issues or slow load web page speed

Proposed Methodology of Solving Identified problem

Using Our Blog Web Application , users can develop their Blogs or read our Blog on any article .

For the first Problem we have to design the website

For the second problem we can use a reliable server based database like AWS S3 i.e Amazon Web Services Simple Storage Services. This service provide a good manageable system for user data's retrieval

For Server side problems we will be using a remote server or virtual private server and build a server at the nearest location of the major user base.

Resource and consumables required

Software Requirements

1. Python
 - a. Python3
2. Django
3. Version Control System (VCS)
 - a. Git
 - b. Github
4. Code Editor
 - a. Visual Studio Code (VScode)
5. Supported Operating System
 - a. Windows 10 / Linux (Arch)
6. Database
 - a. Sqlite

Hardware Requirements

Minimum Hardware Configuration

- Processor: 800MHz Intel Pentium III or equivalent
- Memory: 512 MB
- Disk space: 750 MB of free disk space
- Screen resolution is 1024x768 pixels.

Recommended Hardware Configurations

- Processor: Intel Core i3 or equivalent
- Memory: 2 GB (32-bit), 4 GB (64-bit)
- Disk space: 1.5 GB of free disk space
- Screen resolution is 1024x768 pixels

Action Plan

Week	Activity
1	Installation and Initial Setup
2	Created Basic Layout for posts
3	Created the template for various pages .
4	Created Models (Database) for recording the input from the templates to Database
5	Forms and User Authentication for login , registration and logout.
6	Used bootstrap to templates
7	User Authorization to create, update,delete posts
8	Comment Section and pagination for easy navigation
9	Upload multiple images to post
10	Password Reset and change option

Figure for Execution Plan