

Readme Report

on

“Blog Site – Let’s Learn”

submitted in partial fulfilment of the requirements

of the degree of

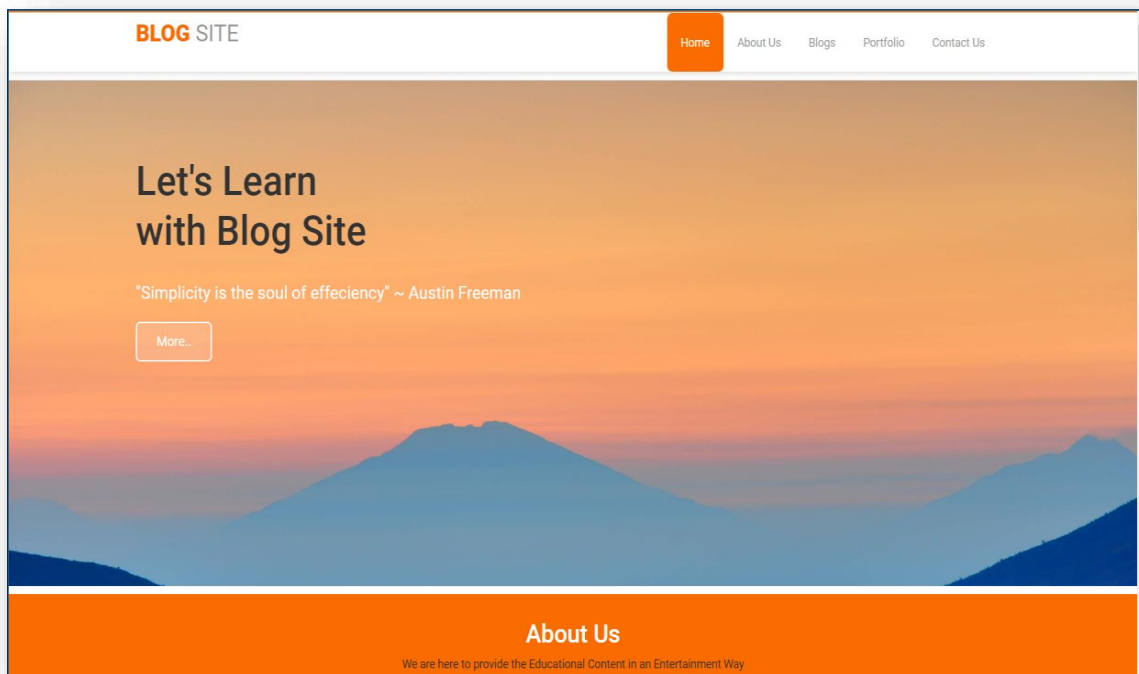
Bachelor of Technology – B. Tech (CTIS)

Cloud Technology and Information Security

by

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Introduction:

Website Development will help you create awareness about your services to the clients. So, that they can take services from you. Displaying the information with high-quality images and thought-out presentation will have a large influence on customers, and it is important to strive towards making your product as relatable and appealing as possible. Additionally, with website development you can:

i. Communicate with your visitors effectively:

Custom-built websites help to connect with the clients feasibly also we can create the content for the audience connected with the industry and sector.

ii. Improve your connectivity:

Planning to develop a responsive website design for your platform would help make it available to a wide variety of users, such as tablets, desktops, or smartphone users. This will improve both the visibility of your platform and the organic traffic.

Existing System of Online Blogging System:

In the existing system the Blogs are written in the template that is being provided by the company which implemented it. So, we don't have liberty to choose according to our requirements and even something we get that means would be used by various other users. So, there is no uniqueness in terms of look and feel (Design).

There is certain limitation to existing systems:

- Not exclusive and unique
- Limitations on customization
- Poor Search Engine Optimization
- Security Threats

Scope of Work:

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 Version 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.

In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time. In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time. To assist the staff in capturing the effort spent on their respective working areas. To utilize resources in an efficient manner by increasing their productivity through automation. The system generates types of information that can be used for various purposes.

Operating Environment:

1. Hardware Requirements:

Name of components	Specifications
Processor	Intel core i5 8 th Gen
Ram	4 GB
Hard Disk	At least 20 GB
Graphics Card	Intel inbuilt
Keyboard	122 Keys

2. Software Requirements

Name of components	Specifications
Operating System	Windows, Linux, Mac OS

Frontend Languages	HTML, CSS, JS
Backend Scripting Language	PHP
Databases	MYSQL
Text Editor	Microsoft Visual Studio
Server	Xampp localhost
Browser	Any (Chrome, Firefox, Microsoft Edge, Brave)

Details Description of Technology Used:

Frontend Interface: To create a blogging website using HTML, we construct the body of the web page. We will use a header tag to give the heading to the site, a navbar for defining the navigation menu, a section tag to allocate different sections to add contents, will use different heading tags to give heading like h1, h2. We will use div tag to create different divisions, with help of the P tag i.e. Paragraph tag we will write some eye-catching paragraphs, ul tags to create unordered lists, we will create a form with help of labels and inputs and at the end, we will create a footer tag to assign the authority for the created website.

CSS: Using CSS we will design or website like we will provide beauty to the navbar, design section, create form layout, and many more.

JAVASCRIPT: It's the brain of our website through which we will assign different functions, animations, to make our website more dynamic and responsive.

Backend: we have to use the backend to link the functions and optimize their performance.

Scripting Language (PHP): It is used to connect the database to the website and the server.

Databases: To store, update, and retrieve any data from the site we have to use a database that. (Made use of MySQL)

PROPOSED SYSTEM

Proposed System of Online Blogging System:

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

- Security of data.
- Ensure data accuracies.
- Proper control of the higher officials.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

2.2 Objective of the System:

The main objective of the Project on Online Blogging System is to manage the details of Blogs, Comment, New Category, New Blog, Technology Blog. It manages all the information about Blogs, Comment, Technology Blog, Blogs. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Comment, Comment, New Category. It tracks all the details about the New Category, New Blog, Technology Blogs.

2.3 User Requirements:

- Operating Environment
- The online blogging system web application will operate with the following Web Browsers: Microsoft Internet Explorer, Mozilla Firefox and Google Chrome.
- Operating System: Windows 10

- Software requirements: MySQL, Apache HTTP Server, PHP, PHP-MySQL, php-MyAdmin and Xampp.
- Languages used: PHP.
- RAM: 4GB (minimum) and we can assign maximum any size of RAM as per our requirement.
- Hard Disc: 20GB depending upon the requirement to store the data. We have assigned 40 GB for our project.
- Deployment Environment

Feasibility

Feasibility means how feasible your project is in real-life experience, it elaborates the conditions in which your project is useful and in which case it's lagging.

Our project is useful in case, if the user wants to customize the website as per his/her taste then it's possible using custom-built Blogging websites, also it will help to build an SEO-friendly website to get the AdSense approval and continues to generate his/her passive income.

If we talked about where it lags: In case there is a beginner who wants to explore blogging and wants to get some real experience without any cost and efforts then he/she is good to go with the templates from the sites like Blogspot, Medium. Etc. The main motive of these free templates to test how they will work.

ANALYSIS & DESIGN

Data Flow Diagram (DFD):

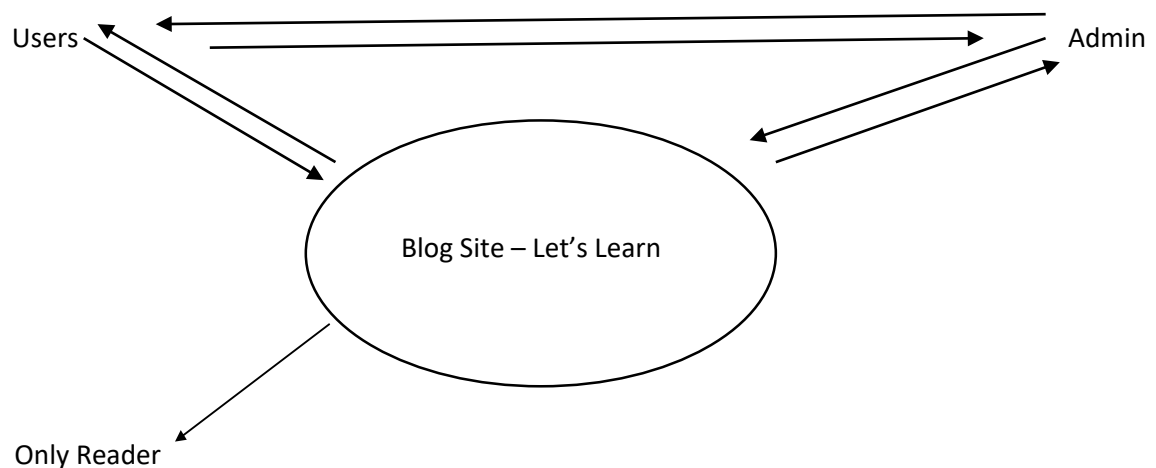
A data -flow diagram (DFD) is a graphical representation of the "flow" of data through an information system. DFDs can also be used for the visualization of data processing (structured design). On a DFD, data items flow from an external data source or an internal data store to an internal data store or an external data sink, via an internal process.

There are seven rules for construct a data flow diagram.:

- 1) Arrows should not cross each other.
- 2) Squares, circles and files must wear names.
- 3) Decomposed data flows must be balanced.
- 4) No two data flows, squares or circles can be the same names.
- 5) Draw all data flows around the outside of the diagram.
- 6) Choose meaningful names for data flows, processes & data stores.
- 7) vii)Control information such as record units, password and validation requirements are not penitent to a data flow diagram.

• Context Level

This context-level data flow diagram, which shows the interaction between the system and external agents which act as data sources and data sinks. On the context diagram (also known as the Level 0 DFD) the system's interactions with the outside world are modelled purely in terms of data flows across the system boundary. This context diagram shows the entire Online Blogging System as a single process.



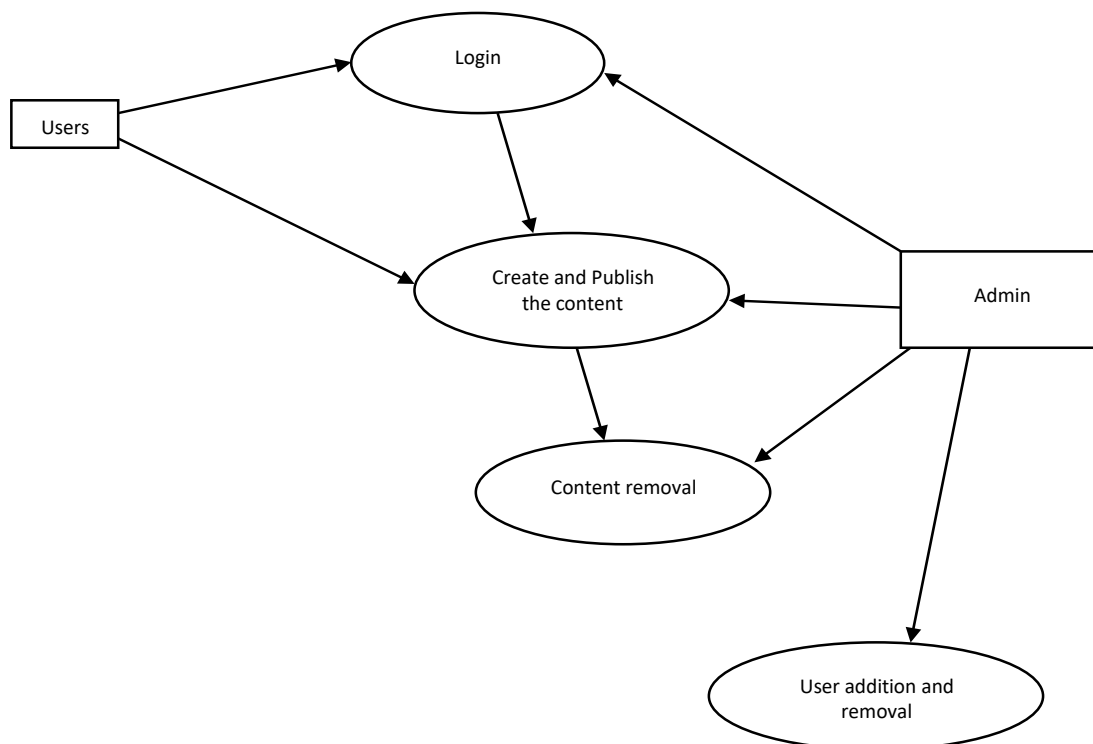
Contextual Level DFD

A data-flow diagram (DFD) is a graphical representation of the "flow" of data through an information system. DFDs can also be used for the visualization of data processing (structured

design). On a DFD, data items flow from an external data source or an internal data store to an internal data store or an external data sink, via an internal process.

- **High Level Diagram**

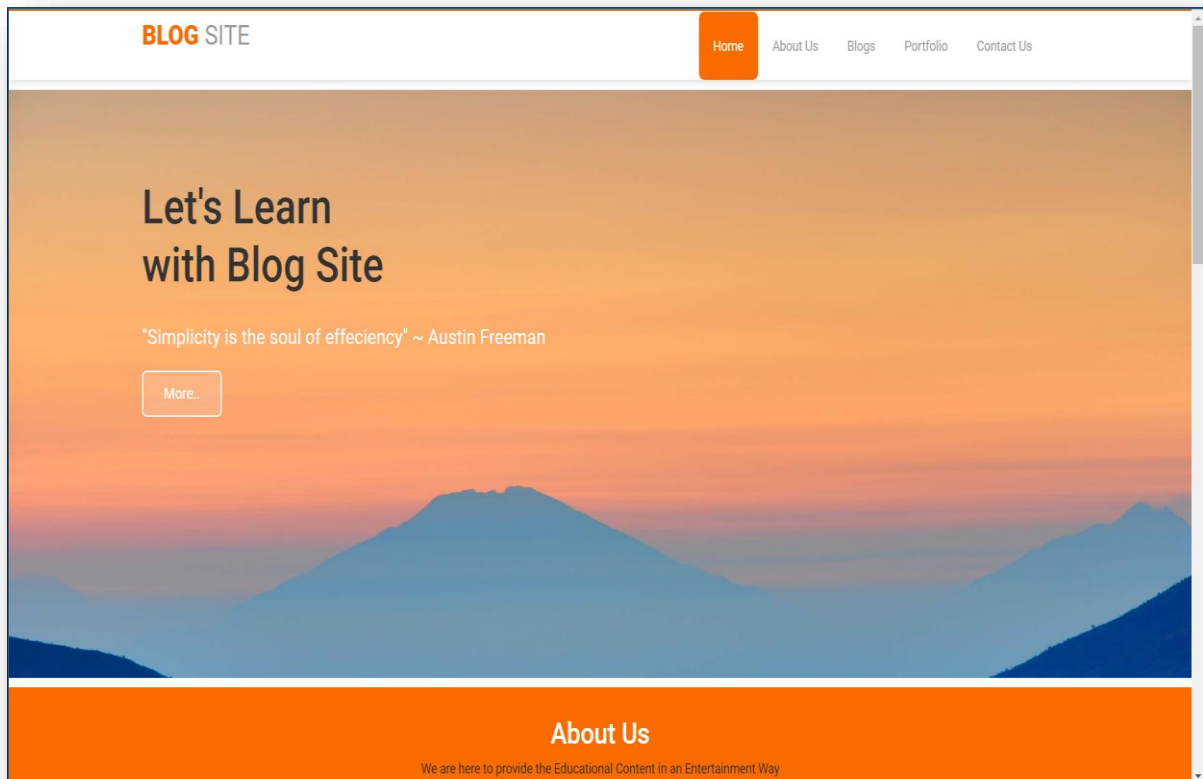
This level (level 1) shows all processes at the first level of numbering, data stores, external entities and the data flows between them. The purpose of this level is to show the major high-level processes of the Online Blogging System and their interrelation. A level-1 diagram must be balanced with its parent context level diagram, i.e. there must be the same external entities and the same data flows, these can be broken down to more detail in the level 1, e.g. the "Login" data flow could be spilt into "Create and Publish the content" and "Content Removal" and still be valid.



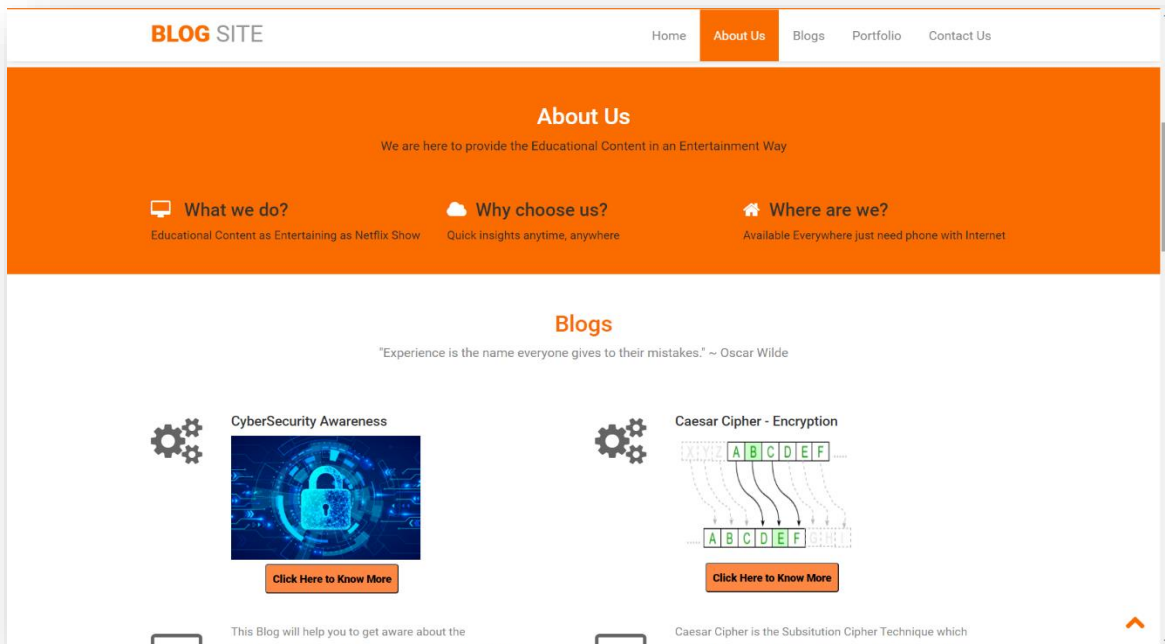
High Level DFD

Following are the different pages available on the Website:

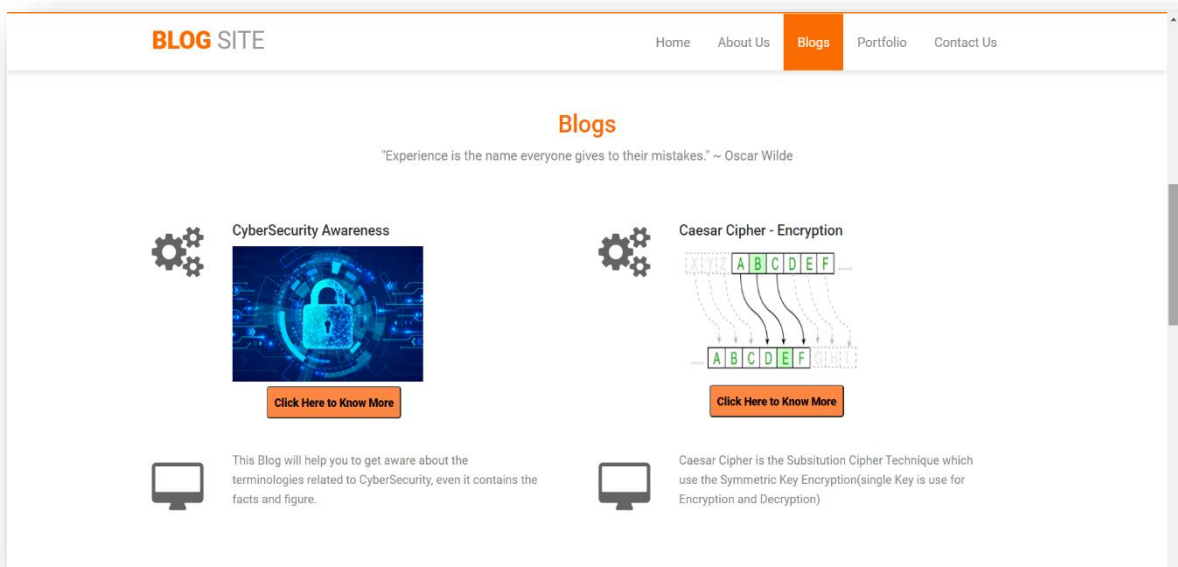
Home Page of the Site:



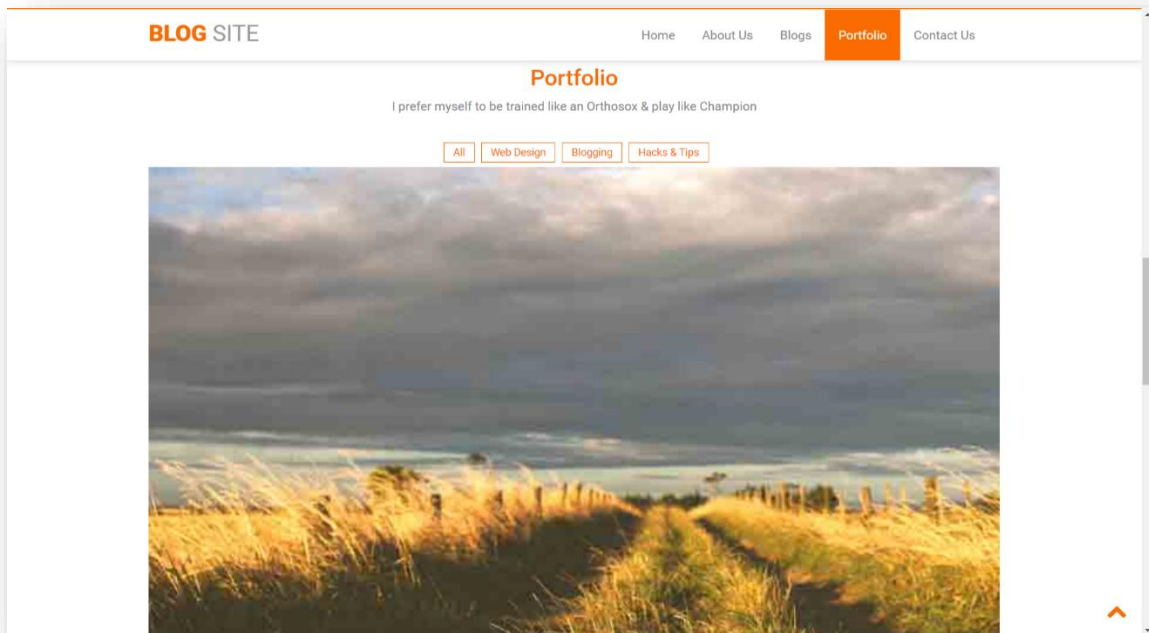
About Section



Blogs Section



Portfolio Section:



Contact Us Section:

The screenshot shows the 'Contact Us' section of the 'BLOG SITE'. The navigation bar includes 'Home', 'About Us', 'Blogs', 'Portfolio', and 'Contact Us' (highlighted). The contact information is listed as follows:

Email Id:
suman.prasad@adypu.edu.in

Phone:
9766229768

A green success message box states: 'Congrats! Your response has been submitted Successfully!'

The contact form includes the following fields:

- Name:
- Email:
- Description:

A 'Submit' button is located below the form fields.

The footer contains the text: 'Copyright 2021 All Rights Reserved' and 'Click to check my Blogs Suman Praad' with an orange arrow icon.

PROPOSED ENHANCEMENTS

To overcome the limitations of templates, I choose to custom-built my site. Listed below are the proposed solutions:

- **No limitations on graphics and functionality:** It's very straightforward that if you are making your website on your own it means you know how it should be, and also, it's easy to execute your ideas into the design.
- **Easy to update:** If you come across any error or problem, you can easily fix it, as well as an update from time to time is very important as it will help you to maintain the safety and security of the site.
- **Better SEO:** This is a key part of your digital promotion, especially if you are targeting a specific geographic area or service/product segment.
- **Custom-built sites are necessary for e-commerce:** If you want an online store that's more than just a couple of items, a template site is inadequate.

This project was developed to fulfil the requirement of common blogging platform for educational purposes. However, there are lots of scope to improve the performance of the Online Blogging System in the area of user interface, database performance, and query processing time etc.

So, there are many things for future enhancement of this project. The future enhancements that are possible in the project are as follows:

- Possibility of account creation of parents/guardians with limited rights.
- Web based interface for generate reports, like who has published more contents, who has commented most, the logged in time etc.
- Linking and integration of other online educational web sites.
- Integration with school/college database through Web Services.
- Development of mobile application which can run on multiple OS and devices.
- We can also add a quiz feature and winners will get some educational assistance or any other reward.

CHAPTER 7: CONCLUSION

My main motive is to deliver educational content in such an entertaining way, that readers can easily relate to the contents with their life. I would like to draw attention to the most useful contents that everyone should know how to be safe in this web of Internet Frauds. I wanted to create awareness. Also wanted to increase the quality of relevant content and giving some tips and hack to overcome digital mistakes.

At the end it is concluded that we have made effort on following points...

- A description of the background and context of the project and its relation to work already done in the area.
- Made statement of the aims and objectives of the project.
- The description of Purpose, Scope, and applicability.
- We define the problem on which we are working in the project.
- We described the requirement Specifications of the system and the actions that can be done on these things.
- We understand the problem domain and produce a of the system, which describes operations that can be performed on the system.
- We included features and operations in detail, including screen layouts.
- We designed user interface and security issues related to system.
- Finally, the system is implemented and tested according to test cases.

REFERENCES

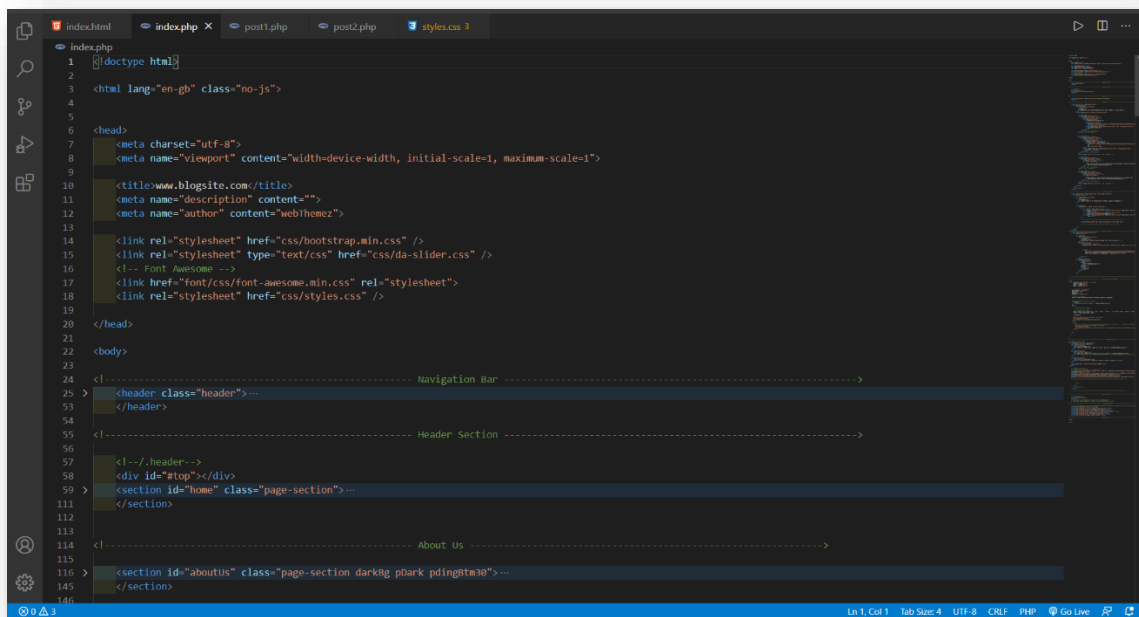
1. Jon Duckett, John Wiley & Sons (2011) 'HTML and CSS: Design and Build Websites' - 1st Edition.
2. Gay, Greg et al. (2019) 'Introduction to Web Accessibility' Ryerson University Pressbooks.

3. Websites:

- a) <https://www.w3schools.com/whatis/>
- b) <https://www.codecademy.com/learn/paths/web-development>
- c) https://en.wikipedia.org/wiki/Web_development
- d) <https://blog.hubspot.com/website/website-development>
- e) <https://getbootstrap.com/docs/5.0/getting-started/introduction/>
- f) <http://localhost/phpmyadmin/index.php>

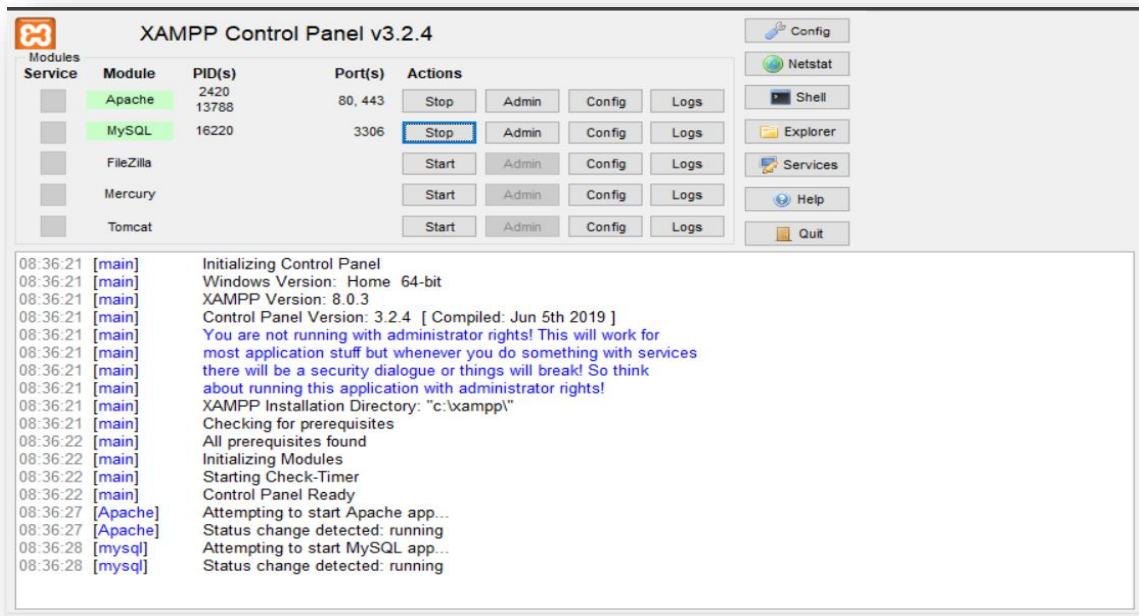
OUTPUT REPORTS WITH DATA

Glimpse of the code:



```
1 <!doctype html>
2
3 <html lang="en-gb" class="no-js">
4
5
6 <head>
7   <meta charset="utf-8">
8   <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">
9
10  <title>www.blogsite.com</title>
11  <meta name="description" content="">
12  <meta name="author" content="webihomez">
13
14  <link rel="stylesheet" href="css/bootstrap.min.css" />
15  <link rel="stylesheet" type="text/css" href="css/da-slider.css" />
16  <!-- font awesome -->
17  <link href="font/css/font-awesome.min.css" rel="stylesheet">
18  <link rel="stylesheet" href="css/styles.css" />
19
20 </head>
21
22 <body>
23
24 <!-- Navigation Bar -->
25 <header class="header">
26 </header>
27
28 <!-- Header Section -->
29 <!-- /header -->
30 <div id="top"></div>
31 <section id="home" class="page-section">
32 </section>
33
34 <!-- About Us -->
35 <section id="aboutus" class="page-section darkbg pbark pdimgtw">
36 </section>
37
```

Xampp(localhost Server) Control Panel:



Database of Comments:

