

Architecture

Blog Creator Web Application

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Abstract

Blogs are a new and exciting way to communicate and communicate. Researchers are like that they are just beginning to recognize the number of issues that they present as sources of research data. A major contribution to the knowledge comes from the analysis of the motivational paper in the background blogging - providing a framework for seven different promotional programs. Building on this. Increasing the use of internet people are preferring reading the articles and news online over the news paper or any hard copy blogging is rapidly growing platform.

1. Introduction

1.1 Why this Low Level Design Document?

The purpose of this document is to present a detailed description of the Deep EHR System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to the higher management for its approval.

1.2 What is blog

A blog (a combination of the word log web) is a type of website or part of a website, which is the publication of common articles over time in a particular area of personal or professional interest. Blogs are usually maintained by an individual who regularly submits comments, descriptions of events, or other items such as images or video. A blog can be used as an action, which means to store or add content to a blog. There are many different types of blogs, they differ not only in the type of content, but also in the way the content is presented or written.

1.3 PROJECT SCOPE

The scope of our project is to vastly expand the following field

Personal blogs

The personal blog, an ongoing diary or commentary by an individual, is the traditional, most common blog. Personal bloggers usually take pride in their blog posts, even if their blog is never read.

Corporate and organizational blogs

A blog can be private, as in most cases, or it can be for business purposes. Blogs used internally to enhance the communication and culture in a corporation or external for marketing, branding or public relations purposes are called corporate blogs.

By media type

A blog comprising videos is called a vlog, one comprising links is called a linklog, a site containing a portfolio of sketches is called asketchblog or one comprising photos is called a photoblog.

Science

A means of spreading data or discussing activities or results. Speeding the knowledge of science to whole world

1.4 Objective

- for common people to develop website , they have to face many problems and also they want to share their knowledge, technology, articles, etc.
- The objective of our Project is to provide all its user with easy access to relevant, and by using provide them Choosing facility to component.
- People will make their blog using choose their style, template, etc.
- Share the information world wide
- By blogging person can also earn money

2. Technical Specification

2.1 Logging

We should be able to log every activity done by the user.

- The System identifies at what step logging required
- The System should be able to log each and every system flow.
- Developers can choose logging methods. You can choose database logging/

File logging as well.

- System should not be hung even after using so many loggings. Logging just because we can easily debug issues so logging is mandatory to do.

2.2 Secure Login/Register

Since user can published there own blog it is important to have secure login features user can login using there username which is unique for all and the password which is more than 8 crocheters including alphabets numbers and symbols. user also have to provide there phone number and email.

2.3 Database

System needs to store every request into the database and we need to store it in such a way that it is easy to retrain the model as well.

- User Login/register data
- Blog create information
- The system stores each and every data given by the user or received on request to the database. Database you can choose your own choice whether MongoDB/MySQL.

2.4 Deployment

AWS



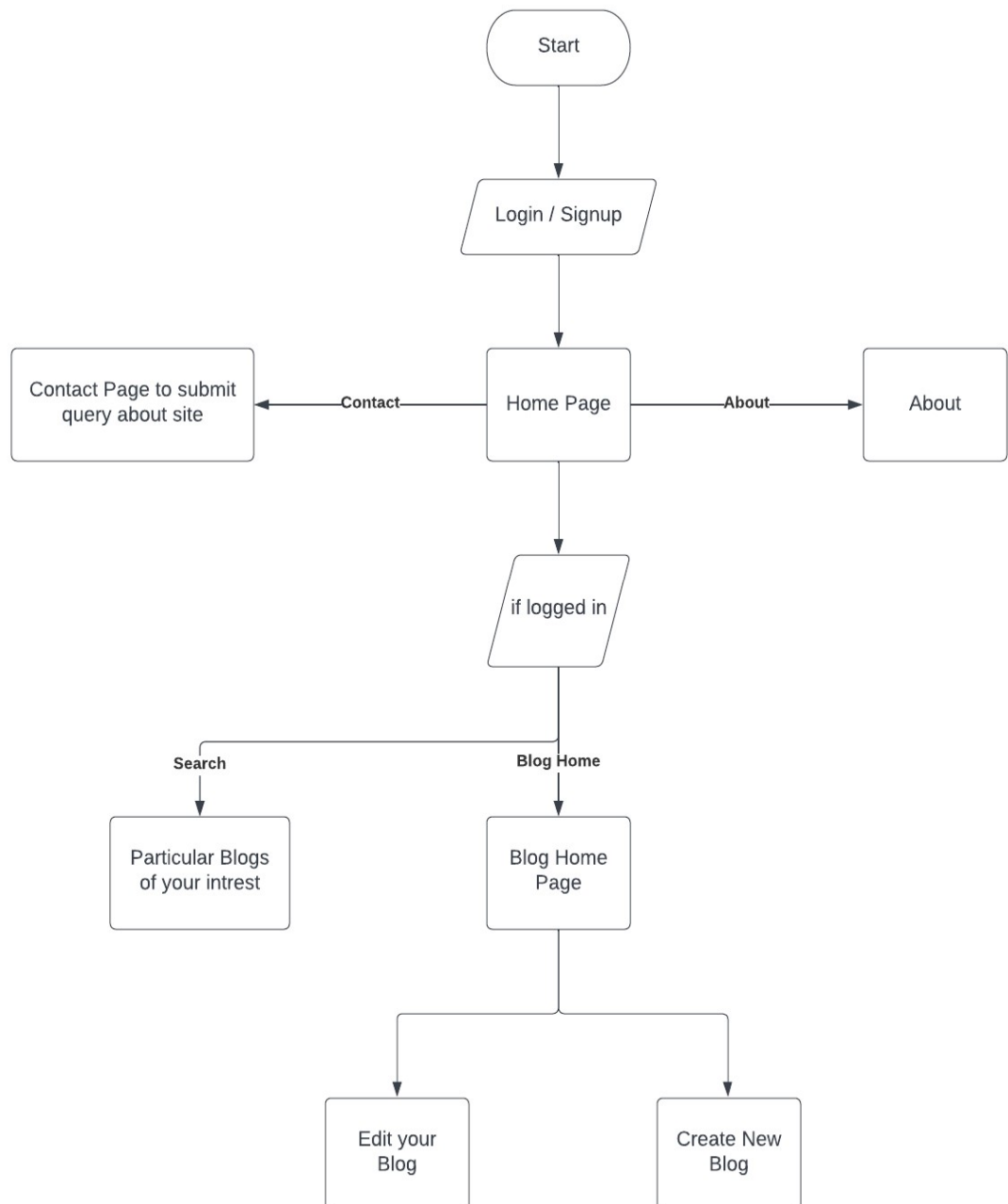
3. Technology Stack

Front End	HTML/CSS/JS
Backend	Python Django
Database	SQLITE
Deployment	AWS

4. Proposed Solution

- **Login/register:**
User can signup into website by providing details like username, first name, Password, email, phone number and can login using username and password
- **About:**
About page contains the Information about the developer
- **Contact:**
For any query related to blog create or edit user can contact the admin
- **Read blog:**
User can read the blog which has been published by the authors from world wide and can share it with friends
- **Create blog:**
User can create there own blog with title and content they can edit text just like ms word (bold text, italic fonts, color change)
- **Edit blog:**
User can changes there published blog
- **Search blog:**
User can search there interest topic and read it
- **Comments :**
User can give there views on any blog

5. User I/O workflow



6. Exceptional Scenario

Step	Exception	Mitigation	Module
02-03-2022	1.1	Login-Registration	Harsh
03-03-2022	1.2	Search Query	Atharva
04-03-2022	2.0	HTML safe content	Vishal

7. Test Cases

Test Case Description	Prerequisite	Expected Results
Verify whether the Application URL is accessible to the user.	1. Application URL should be defined.	Application URL should be accessible to the user.
Verify whether the Application loads completely for the user when the URL is accessed.	1. Application URL is accessible . 2. Application is deployed.	The Application should load completely for the user when the URL is accessed.
Verify whether the User is able to sign up in the application.	1. Application is accessible.	The User should be able to sign up in the application.
Verify whether user is able to successfully login to the application.	1. Application is accessible. 2. User is signed up to the application.	Users should be able to successfully login to the application.
Verify whether user is able to contact.	1. Application is accessible	User should be able to send query.
Verify whether user is able to enter value in search blog input field.	1. Application is accessible.	User should be able to enter the value.
Verify whether user is presented with recommended results on clicking search.	1. Application is accessible.	User should be presented with recommended results on clicking submit.
Verify whether user is able to view all the blogs on the blog page.	1. Application is accessible.	User should be able to view all the blogs.
Verify whether user is able to open blogs and read it.	1. Application is accessible.	User should be able to open a blog and read it.

Verify whether user is able to view the date and time when the blog was posted and number of views currently on the blog.	1. Application is accessible.	User should be able to view the date and time along with the number of views.
Verify whether user is able to see create blog button	1. Application is accessible. 2. User is signed up to the application. 3. User is logged in to the application.	User should be able to see it.
Verify whether user is able to create a blog.	1. Application is accessible. 2. User is signed up to the application. 3. User is logged in to the application.	User should be able to create a blog.
Verify whether user is able to view list of all the blogs created	1. Application is accessible. 2. User is signed up to the application. 3. User is logged in to the application.	User should be able to view the list.
Verify whether user is able to edit or delete the blog.	1. Application is accessible. 2. User is signed up to the application. 3. User is logged in to the application.	User should be able to edit or delete the blog.
Verify whether user is able to view comments and replies on the blog.	1. Application is accessible.	User should be able to view comments and replies

Verify whether user is able to post a comment and reply to others' comments.	<ol style="list-style-type: none">1. Application is accessible.2. User is signed up to the application.3. User is logged in to the application.	User should be able to post a comment and reply on others' comments.
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8. Key Performance Indicator (KPI)

- Searching any blog using key word
- Rich text editing
- Any types of data can use as content of blog
For example ;- text, video, image etc.
- Views of blog
- Author of blog