.blog

Software Requirements Specifications

Task : *Blog (like Facebook)*

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Introduction ⇒

This website is an **online journal or informational website** displaying information in reverse chronological order, with the latest posts appearing first, at the top. It is a platform where a writer or a group of writers share their views on an individual subject or create a post on some topic as per their subject of interest.

Objective of Project ⇒

The main objective of an Online Blog is to manage the details of Blogs such as creating comment, posts or liking some posts available on the blog.

It manages all the information about the users registered on Blogs. The purpose of the project is to build ecosystem to connect all the people across the globe and share their ideas and view's regarding their interest by creating some posts across the blog which ultimately enriches the community and makes the people aware about new stuff and various other opportunities.

Purpose of Project ⇒

The aim is to automate its existing system by the help of computerised equipment's 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.

Online Blog, 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 organisation in better utilisation of resources.

Scope of Project ⇒

The Online Blogging System will allow the users to publish the writings, images or any link if he/she should have credentials to login.

The main users of this project are any person who wants to create a blog and share his ideas and interest about something in the community.

From an end-user perspective, the Online Blogging System project consists of following functional elements such as,

- Creating a Post

- making a comment on the Post's of other users

- making a like on some posts if the user finds it interesting

- embedding some images if the user want to include in the post etc..

System Modules

In our system, there are two modules.

1. User Module

2. Admin Module

⇒ Admin :

In this module the admin can,

1. **Manage Posts**

1.1 Delete Posts

- Admin can delete the posts made by any user which violates the rules of the community

1.2 View All Posts

- Admin can view all the posts made on the network

2. **Manage User**

2.1 View Users

- The admin will have a list view of all the users registered in the system.

- Admin can view all the details of each user in the list except password.

2.2 Delete Users

- Administrator has a right to delete a registered user.

⇒ *Users :*

In this module the users can,

1. **Registration**

    - A new user will have to register in the system by providing essential details in order to create a post or use any other functionality of the system.

2. **Login**

    - A user must login with his user name and password to the system after registration.

3. **View Posts**

    - User can view all the posts created by him and he can also see the posts created by his friends if his friends accepts the request of the user

4. **Search Users**

    - Users can search for a particular user (person) registered on the blogging website and view his posts if he has access to them.

5. **Like Posts**

    - User can like any posts if he wishes to as per his choice

6. **Send connection request**

- User can make a connection request to another user by searching him on the blog network to view his posts and other details

7. **Withdraw connection request**

    - User can withdraw the connection request made by some other person to him if he does not want to accept it into his network

8. **Comment on Post**

    - Any user can make a comment on the posts visible to him posted by the other users

9. **Create a Post**

    - User can create a post on the blog

10. **Delete a Post**

    - User can delete a post made by him on the blog

11. **Edit/Update Post**

    - User can edit a post made by him on the blog after its been posted

12. **Embed files**

    - User can embed/attach files as per their choice in the post of various types

Input Data and Validation of Blog system ⇒

- All the fields such as Blogs, Topic, Views are validated and does not take invalid values

- Each form for Blogs, Content can not accept blank value fields

- Avoiding errors in data

- Controlling amount of input

- Functionality of the entire module/forms.

- Validations for user input

- Checking of the Coding standards to be maintained during coding

System Requirements ⇒

Minimum Software Requirements

```
Processor : dual core cpu @1ghz
memory : 500 mb
storage : 2 gb
os : linux debian
```

Package Requirements

```
bcrypt==3.1.4
blinker==1.4
certifi==2016.2.28
cffi==1.11.5
click==6.7
Flask==1.0
Flask-Bcrypt==0.7.1
Flask-Login==0.4.1
Flask-Mail==0.9.1
Flask-SQLAlchemy==2.3.2
Flask-WTF==0.14.2
itsdangerous==0.24
Jinja2==2.10
MarkupSafe==1.0
Pillow==5.3.0
pycparser==2.18
six==1.11.0
SQLAlchemy==1.2.7
Werkzeug==0.14.1
WTForms==2.1
```