**Functional Requirements for Blog Website**

**1. User Registration and Authentication**

1.1 **User Registration**

* Users must be able to register an account with email and password and fullname.
* Email verification must be implemented to confirm user registration.

1.2 **User Login**

* Registered users must be able to log in using their email and password.
* Implement password recovery.

**2. Blog Creation and Management**

2.1 **Create Blog**

* Authenticated users must be able to create a new blog with the following fields:
  + **Subject** (Title of the blog)
  + **Content** (Plain text only, no rich text or media)

2.2 **Edit Blog**

* Users must be able to edit the subject and content of their own blogs.
* Users must not be able to edit blogs created by other users.

2.3 **Delete Blog**

* Users must be able to delete their own blogs.

**3. Blog Interaction**

3.1 **Like Blog**

* Users must be able to like blogs.
* Each user can only like a blog once.
* Display a counter showing the total number of likes for each blog.

3.2 **Unique Readers Counter**

* Each unique visitor to a blog post must be counted.
* Implement a counter to track the number of unique readers for each blog.

**4. Leaderboards**

4.1 **Likes Leaderboard**

* Implement a leaderboard that ranks blogs based on the number of likes.
* Display the top 10 blogs with the highest number of likes.

4.2 **Readers Leaderboard**

* Implement a leaderboard that ranks blogs based on the number of unique readers.
* Display the top 10 blogs with the highest number of unique readers.

**5. Profile Page**

5.1 **View Profile**

* Each user must have a profile page displaying the following information:
  + **fullname**
  + **Email** (optional, based on privacy settings)
  + **Profile Picture** (optional)
  + **Bio** (optional)
  + List of the user's blogs with links to view/edit/delete each blog

5.2 **Edit Profile**

* Users must be able to update their profile information, including:
  + **Fullname**
  + **Profile Picture** (optional)
  + **Bio** (optional)
  + **Email** (optional, with email verification if changed)
  + **Password**

5.3 **View Other User Profiles**

* Users must be able to view the profiles of other users, which includes:
  + **fullname**
  + **Profile Picture** (if set)
  + **Bio** (if set)
  + **Email**
  + List of the user's blogs with links to view each blog

**6. User Interfaces**

6.1 **Homepage**

* Display a list of recent blogs with their subject, author, and basic interaction stats (likes and readers).
* Provide navigation to create a new blog post for authenticated users.

6.2 **Blog Post Page**

* Display the full content of a blog post along with the subject.
* Show the author’s fullname, the number of likes, and the number of unique readers.
* Provide options to like the blog and view/edit/delete options for the author.

6.3 **Leaderboards Page**

* Display separate leaderboards for the most liked blogs and the most read blogs.
* Provide links to view the full content of each blog listed.

6.4 **Profile Page**

* Display user profile information, including their blogs and interaction stats.
* Provide options to edit profile information for the profile owner.