**Requirements Document: AcuBlog – A Simple Blogging Platform**

**1. Overview**

AcuBlog is a lightweight, PHP-based blogging platform designed for small organizations or individual content creators. It enables authenticated users to post, manage, and edit blog entries, and allows public visitors to read posts and leave comments. The platform prioritizes simplicity and ease of deployment on shared hosting environments.

**2. Functional Requirements**

**2.1 User Registration and Authentication**

* Users can register with a username, email, and password.
* Passwords must be stored in the database.
* Users must log in to create, edit, or delete blog posts.
* Admins have elevated privileges (e.g., delete other users’ posts).

**2.2 Blog Post Management**

* Authenticated users can:
  + Create new blog posts with a title, category, and body content.
  + Edit or delete their own blog posts.
  + Upload an image to accompany a blog post.

**2.3 Comment System**

* Visitors (authenticated or not) can submit comments on posts.
* Comments are associated with a specific post and displayed publicly.
* No login is required to leave a comment.

**2.4 Admin Capabilities**

* Admins can:
  + Edit or delete any post or comment.
  + View all registered users.
  + Delete users (including their associated content).

**2.5 Blog Display and Navigation**

* Visitors can:
  + Browse all blog posts in reverse chronological order.
  + Filter posts by category.
  + Search blog posts by keyword (title or body).

**3. Non-Functional Requirements**

**3.1 Platform Compatibility**

* Compatible with Apache HTTP Server and PHP 5.6+.
* Uses MySQL 5.x as the database backend.

**3.2 Usability**

* Minimalist interface using HTML/CSS.
* Accessible via desktop and mobile browsers.

**3.3 Performance**

* Designed to support up to 100 concurrent users.

**3.4 Maintainability**

* Modular code structure using PHP includes.
* Configuration values (e.g., database credentials) stored in a single file.

**4. Assumptions**

* No CAPTCHA or email confirmation is required for registration or comments.
* No input validation is required beyond HTML form constraints.
* Application is deployed on an internal intranet or trusted environment.