Test Plan for Quickblog

1. Introduction

System Under Test (SUT): Quickblog – A blogging platform where admins can create, publish, and manage blog posts.

Objective: To verify that the blog website functions correctly, meets requirements, and provides a smooth user experience.

Scope:

In-scope:
- ✓ Landing page
- ✓ Search functionality
- ✓ Blog categories
- ✓ Admin login/logout
- ✓ Blog CRUD (Create, Read, Update/Unpublish/Delete)
- ✓ Comments

Out-of-scope:
- ✓ AI feature integration
- ✓ Performance/load testing

2. Test Objectives

1. Validate that all core features (login, blog creation, search, comments) work correctly.
2. Ensure proper error handling and form validations.
3. Confirm correct role-based access (Admin vs. Visitor).
4. Verify UI/UX responsiveness across devices.

3. Test Strategy

Testing Type:
- Manual Functional Testing
- UI/UX Testing
- Positive & Negative Test Cases

Test Levels:
- Unit (basic checks while adding blogs)
- Integration (blogs appearing on homepage, search)
- System Testing (full flow from login → create post → read post → comment)

Test Data:
- Valid and invalid credentials
- Blog titles (short, long, empty, special characters)
- Comments with/without text
- Search queries (existing, non-existing)

4. Test Environment

URL: https://quickblog-gs.vercel.app/
Browsers: Chrome, Firefox, Edge
Devices: Desktop, Mobile (responsive check)
Database: Connected via deployed backend

5. Features to be Tested

Landing Page
    Navigation links (Home, Search, Categories)
    Responsiveness
Authentication
    Admin login/logout
    Invalid credentials handling
Blog Management (Admin Panel)
    Add blog (with title, content, category)
    Publish/unpublish blogs
    Delete blogs
    Update blogs
    Draft handling
Blog Listing
    Display recent blogs
    Correct status (Published/Unpublished)
    Date & title display
Search & Categories
    Search with existing titles
    Search with invalid titles
    Category filtering
Comments
    Add valid comments
    Block empty comments

6. Entry & Exit Criteria

Entry: Deployed site is accessible, admin credentials available.
Exit: All high-priority test cases executed with ≥ 90% pass rate.

7. Deliverables

Test Plan
Test Cases Document
Test Execution Report (Pass/Fail results)
Bug Report

8. Risks & Mitigation

Risk: Website may depend on external API (AI integration).
Mitigation: Stub/mock API for testing.

9. Timeline

Day 1: Landing page & login testing
Day 2: Blog CRUD testing
Day 3: Search & comments testing
Day 4: UI/UX + final execution report