**Basic Use Cases**

(1)

|  |  |
| --- | --- |
| Use case | Browsing the posts in the blog |
| Actor | Anyone |
| Trigger | Clicking on the Posts section |
| Precondition | There are posts in the database |
| Basic Flow | • Connect to the database.  • Retrieve posts from the database.  • Display titles of posts on the webpage.  • If the number of titles exceed threshold (like 20), display them on the next page (have a bar indicating number of pages at the bottom of webpage).  • Clicking on the title of a post will display the contents of the post. |

(2)

|  |  |
| --- | --- |
| Use case | Log in |
| Actor | Admin |
| Trigger | Entering the correct password |
| Precondition | Not logged in yet |
| Basic Flow | • Obtain password entered from user.  • Connect to the database -> users table and authenticate via matching  • Meanwhile, set up mechanisms to protect against injection attacks and brute force attacks  • Create a cookie in the user’s computer that expires when browser is closed indicating the logged in status. |

(3)

|  |  |
| --- | --- |
| Use case | Post blog posts |
| Actor | Admin |
| Trigger | Clicking on Post when posts are written |
| Precondition | Logged in |
| Basic Flow | • Connect to the database.  • Write the post into the database |

(4)

|  |  |
| --- | --- |
| Use case | Delete blog posts |
| Actor | Admin |
| Trigger | Clicking on Delete when a post is open |
| Precondition | Logged in |
| Basic Flow | • Connect to the database  • Delete the post from the database |

*Basic UI design is complete besides the posts section.*

*Still learning to implement the database feature (which is incomplete).*

**Basic Login method**

1) Use .htacess file to store the password for admin

OR

2) Create a table of users (minimally admin only) with passwords for comparison

**Basic database schema**

Posts:

User ID (foreign key)

Post ID (primary key)

Date Posted

Content posted

*(possible additional features below)*

*Views*

Users:

User ID (primary key)

Name

Passwords

Retrieve user name

Retrieve user name

Retrieve replies

Replies (if possible):

Post ID (foreign key)

User ID

Date Posted

Content posted