

## User Manual

src/  
| globals.php // global variables  
+ public\_html // root directory  
| index.php  
| config.php  
+ view // front-end html pages and elements  
+ model // back-end functions and pages interacting with  
database (mostly)  
+ static // css, javascript files and images  
+ helpers // helper functions

## Database Schema - xiyaproj\_MCBlog

Table	password	posts	login_attempts
Column	<b>hash</b> // contains one entry of the hashed password	<b>post_id</b> // unique and auto- increment <b>topic</b> // topic string <b>date</b> // date <b>content</b> // content string	<b>time</b> time stamp of all failed login attempts (brute force detection)

## Key Features

1. Anyone can browser the posts
2. Admin (logged in user) can create, edit or delete posts
3. Password is hashed using bcrypt
4. Account will be locked for 15min if there are more than 15 failed login attempts within 15min

## **Key Takeaways**

1. I picked up html, css, javascript, php and sql along the way, and understood the various roles they play in the functioning of a website.
2. I became a better independent learner and am able to combine multiple sources of information and knowledge to find the solution.
3. I educated myself about website security and took measures to prevent cyber attacks including SQL injections, brute force and cross-site scripting.