Here is what the blog can do (and also what I do in chronological order to build the blog) :

1/ Login functionality:

* From the main page, there is a link to sign up form and a link to sign in. In the sign up form, you must provide a valid email, a password with at least 4 characters and a username.
* A link to a main log in page, we use the table “members” to store the user info, more details can be looked up in README file.
* Although as specified in the assignment, it is not necessary for creating a sign up form, but I think that signing up gives everyone a way to contribute to our blog, and we still can authenticate who is the author of the post.
* Future plan : Creating a way to send verification email to the user’s email to verify the account and to retrieve the password in case he forgets.

2/ Home page:

* Everyone , including the writer, can view all blog posts( but only its title, we must click to the title to see it in more details).
* Writer can either edit or delete the posts that they wrote in the past ( not allowed to modify posts of other authors).
* Every post content is displayed in “code/view/view\_post.php” . Each post has a unique ID and the view\_post.php file will use this ID to find the content of the post in the database.
* Future plan : Improving the tag functionality for the posts, and implement the searching feature in the blog.

CONCLUSION: I studied Javascript in class CS1101S , but this is the first time I have the chance to study real web development, and learn many new things from HTML, CSS, frameworks, PHP, SQL to tools like Git and Xampp. I also learn many principles requires for web development: sanitizing input to prevent cross-site scripting or SQL injection; structuring the workflow beforehand so that I can organize the code efficiently; abstract common features like navigation bar,footer or databaseconfig; use existing framework like Bootstrap when possible, and so on. Some challenges I face along the way includes finding a way to display the content of the blog, whether to display all contents in the main page or to give a list of titles only. I also find a way to link the title in the main page to the content in view\_post page. Despite all the problems I have went through, I am extremely grateful for everything I have learnt , and I am proud of learning many things on my own in such a short time.