This document gives you a brief introduction about various functionalities included in this project using PHP, MySQL, jQuery-ajax & Firebase.

Before you get started, we recommend you to try out these simple tutorials to understand the very basic functioning of PHP, MySQL and ajax.

- ➢ http://talkerscode.com/webtricks/youtube-style-like-and-dislike-rating-system-using-jquery-ajax-and-php.php
- ➢ https://www.guru99.com/php-ajax.html
- ➢ https://www.9lessons.info/2008/08/jquery-ajax-and-php-projects-9lessons.html

The following modules described below have been included in this internship project.

● **Total page views count and total registered users count.**

Here we want **Total Views** count to increment every time the page has been visited either by a **registered user** or an **anonymous user**.

Refer this article:--> https://html-online.com/articles/simple-php-mysql-visitor-counter/

Also, we want **Total Users** count to increment once the user clicks on "**Sign up with Google**" Button in getstarted.html page.

Once the user clicks on **Sign up with Google** button, the total registered **users count** has to increment and the firebase authentication module should run which further redirects the user to index.html or the home page.

Below is a brief description about how to get started with Google-Firebase.

● **Firebase user authentication**

When the user clicks on **Sign up with Google** OR **Sign In** with Google, a javascript function call will be made to firebase popup method as shown in ***figure(a)***.
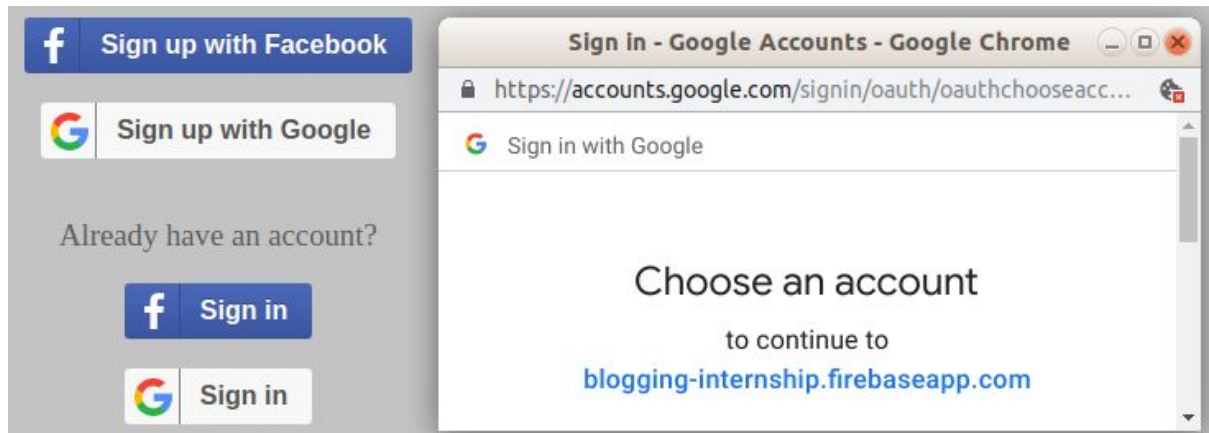
figure (a). [snapshot of firebase pop-up window.]

- **Firebase setup**
    1. Goto firebase.google.com
    2. Log in with your google account
    3. On the firebase console click on Add project
    4. Enter your project name and edit project id if required
    5. Select I accept & I agree checkboxes
    6. On the project-overview-Firebase console -->
        a. Select **(</>)** app to get started.
        b. COPY the given script and add it to your project's javascript file
        c. On your firebase homepage dashboard, click on Authentication under Develop category dropdown menu.
        d. Now click on google and toggle on enable switch button.
        e. Select project support email and click on save.
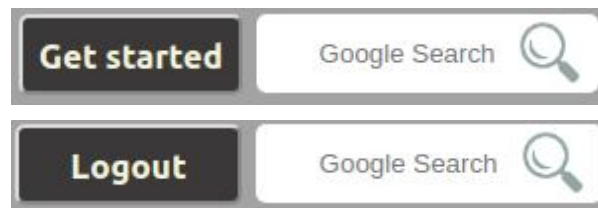
For more details visit the following links below -->
    ➔ https://firebase.google.com/docs/web/setup?authuser=0
    ➔ https://www.tutorialspoint.com/firebase/firebase_environment_setup.htm
    ➔ https://firebase.google.com/docs/auth/web/facebook-login
    ➔ https://www.tutorialspoint.com/firebase/firebase_facebook_authentication.htm

Once the user has signed in successfully, we want the user to get redirected from getstarted.html page to our homepage or index.html and change the state of "**get started**" button to "**log out**" button as shown in ***figure(b).***
When the user clicks on **log out** button an alert box with the message "Signed out successfully" should appear and a call to firebase signout method should be made as shown in ***figure(c).***
Also simultaneously total page views should increment as aforementioned.

figure(b). [button and function modification]

figure(c).

- On clicking **('read more..')** under any one article on homepage the user should get redirected from homepage to article page.
  Here the user should see the complete description about that particular article.

- Next, you have to include **like** and **dislike** functionality on this page. So whenever the user clicks on **like button** the **Total Ratings**, **Total Likes** count should get updated and displayed next to like/dislike buttons as shown below.