

Application Flow:

1. The user visits the home page and is presented by **index.html** page.
2. User enters username and password (eg: sam, password).
3. User is authenticated against the database by an Asyn call to **authenticate-user.php** API (**Code – js/authenticate.js**).
4. If the user is not authenticated, an alert is given to user informing that the username or password is incorrect.
5. If the user is authenticated, user is redirected to **vote-for-fruits.html** page.
6. The page checks if the user was logged in using **index.html** page or not and if not, the user is redirected to **index.html** page to login.
7. On the **vote-for-fruits.html** page, an Asynchronous call is made to **get-fruits.php** API (**getOptions()**) which returns a JSON of fruits from the database (**Code: js/fruit-script.js**)
8. The results are displayed in descending order of votes on fruits.
9. User votes on one of the fruits by clicking 'Vote' in front of the fruit.
10. An Asynchronous call is made to **vote.php** API which increases the vote for that fruit in the database by 1 and returns confirmation (**Code: js/fruit-script.js**).
11. The **getOptions()** function is called again and the results are regenerated with the updated values Asynchronously.
12. The user can now logout.
13. If the same or different user logs back in to the application, they will see the current votes on fruits from the database and can vote again.
14. All votes will be persistent.