Password Authentication Protocol is a kind of authentication which protect our information when we’re going online and this authentication is the most commonly used for website and it asks the user to create the password and store the password in the website’s server.

When the user wants to access to his or her account, the user has to put username and password. So the server checks what the user types in and if the user name and the password match with the one already saved in the server, then the user can access to the account.

It’s very easy to use and very convenient for most people. However, this authentication method is the most unsecure way to protect the account. For example, many people don’t realize the importance of creating a complicated password, their passwords are often too weak because they use their birthday or license plate numbers as the password, which are super unsafe because people who know them can easily guess the password.

The ideal way is to create a password that combine with symbols, numbers, letters, and most importantly – make sure it’s long enough. Like 1jki3$$78lkiuiui\*^ However, too lengthy is creating another problem, every time people have to spend up to 10 seconds just only for typing in the password, take average typing 10 times password a day, 7 days a week, 52 weeks a year, it’s about 10-12 hours a year!!

Moreover, if user’s computer get virus, the password will be compromised immediately, the hackers can track what they typed on the keyboard, steal the password and login to user’s account.

Our authenticator is based on an algorithm combining with epoch time and user’s private key, which is converted from user’s email address. As we all know that email address is unique, once you registered, no one else can have same email address. Epoch time is a system for describing a point in time, defined as the number of seconds that have elapsed since 0 o’clock, 0 min, 0 sec On Thursday, January 1st, 1970. For example, we see computer’s time on the right corner is 1:30pm, Wednesday, 5.30.2018, in epoch time, it’s equal to like “1527658482”, it keeps changing every second. In other words, it’s Real Time! By going through our algorithm, the generated authentication code can maximized the protection from account being hacked.