Ok. Thank you, Xingping. Next, let me introduce the four main functions in our app.

The first one is Login function.

In the login function, we applied the face verification API from Microsoft, which is the access to the app. When downloading this app at the first time, the app requires the user to sign up to become our membership. The face scan function processes after filling in the personal information. After hearing the prompt tone, the scan operation is finished and become the access to the app. In addition, we imported the dual-factor authentication for the new users or relogin users. The phone of the user would receive a verification code which is used to finish the verification process.

Next is the password storage.

We divided the storage function into two aspects. One is manual storage; another one is automatic storage. The operation of manual storage is simple. Just touch the ‘add’ button in the top right corner. But we don't suggest users do the manual operation since the database may be various and complicated for users after using for a period of time.

We designed a plugin for browsers which could store the password typed by users. When users log in a new website, the plugin prompts ‘Do you want to save the password for this site?’. If yes, the password is stored in the database. Moreover, we adopted the AES (Rijndael Algorithm) to encrypt the data in the local database in order to ensure the security of data.

The third function is autogeneration.

Autogeneration serves for users who are not willing to set a secure password manually. It contains three textboxes, website/app name, account ID and password. Users only need to click the ‘autogeneration’ button then the app will generate a secure password and store all the password information in the local database. Meanwhile, if users don’t like the current password, they can shake the phone twice to acquire new passwords. We also designed a notification function to notify the users who haven’t changed their passwords for three months.

And lastly, it contains the cloud service function.

As well as the dual-factor authentication above, the cloud service requires the verification code when users login the app at the first time, especially when they change the phone. Another advantage of cloud service is the convenient backup password function., which could avoid the terrible result caused by the database breakdown and data lost. Thus, we set an automatic reminder to notify whether they want to backup and synchronise the password.