Dynamic Password Application Instructions

General Instructions

Setup Instructions

1. You will receive 4 apk's with the name UserStudy, NumericalPass, PassImage and PassWord
2. **Install** the UserStudy framework apk followed by the individual password application apk's (other applications won't work unless user_study apk is installed). For "how to install application using apk" refer to point three.
3. **Download the apk** by clicking on it. After the apk is downloaded click to install. Then the app is ready to use. You can start using the application by clicking on the app icon. Incase you receive a prompt regarding permissions then select allow application from unknown sources.
4. Once all the four applications are installed in your phone, you can start with the user study process.

User Study Process

1. First, sign up for the user study by **filling the demographic** form in the User_Study app.
2. Now you can start with any of the 3 applications. We recommend you use the applications in the following order: NumericalPass, PassWord and PassImage (in difficulty order)
3. **Register** using a username and password and thereafter successfully **verify** all the 3 password schemes. This will **complete the sign up process**.
4. Now, you need to complete the login procedure. The login process will be conducted in 2 phases for all the apps to check the retention after the period of a week.
5. In the **first phase** you **login the very same day** and in the **second phase you login after a time period of 7 days**. This is to see if the user can remember the different kinds of password.
6. To login, enter the same username and the same password like you did at the time of registration.

7. Thereafter, we will share with you random videos of people trying to login into the system using the application. Your task will be to try and identify the password of the user by watching the video. This means now you will be the **shoulder surfer**.
8. Submit your best guess for the videos. (Bonus Points for Correct Answers)
9. End of Study.