**Software Description**

Title: **Android Personal Data Collector Application [v2- User- Device Interaction category]**

In this version, we focus to develop android application that can work well for collecting iteraction information. Interaction information means what kind of interaction between user and their phone such as when user use their phone, we can know it based on screen sensor. Another example are: what kind of application that user used, what kind of audio or video that they play and etc.

In this application, we develop 8 of main functions as follows:

1. AccountsProbe.java
2. ApplicationProbe.java
3. AudioFeaturesProbe.java
4. BrowserBookmarkProbes.java
5. ImageMediaProbes.java
6. RunningApplicationProbe.java
7. ScreenProbe.java
8. VideoMediaProbe.java

**AccountsProbe.java**

This file contain function that we use to get the account information in user smartphone. New smartphone store information about accounts that user use such as facebook, twitter, or another social media that user used.

**ApplicationProbe.java**

This file contain function that we use to get information about installed application in user smartphone. This information is very useful for our research, because our research focus on to define user behavoir based on their smartphone log data so application is one of features that can be used to define user behavior.

**AudioFeaturesProbe.java , ImageMediaProbe.java , and VideoMediaProbe.java**

Three of those functions is for collecting multimedia information from user. AudioFeaturesProbe.java is for collecting what kind of audio file that user usually play. ImageMediaProbe is to collect infromation about image features that users have. VideoMediaProbe.java is for collecting information about Video file.

**BrowserBookmarkProbes.java**

This file contain function that we use for collecting Bookmark. Based on user bookmark, we can know about what kind of site that user like.

**RunningApplicationProbe.java**

The function of this file is to retrive what kind of running application in user smartphone.

**ScreenProbe.java**

The function of this file is to store when user screen on their phone and when the phone screen of. Base on this data, we can know user intensity of phone used.