

USER MANUAL iCrawler

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The 5 Concurrent Nodes

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1 Overview

iCrawler is a mobile device monitoring app available for Android only. The objective of the app is to display and assist in understanding the activities performed by a mobile user as well as shedding more light into the behaviour of the mobile user. The mobile monitoring application generates reports giving the investigator quick and comprehensive data/logs. The app uses the device's internet connection to send the data logs collected from the device to a desktop-dashboard for review. The app is absolutely free to download.

WHY USE THE iCRAWLER APP:

- Child monitoring
iCrawler can be used by parents/guardians to monitor activities that their minor children get up to.
- Employee monitoring
Companies that hand out mobile devices to their employees can use the *iCrawler* app to monitor any unauthorized activities that employees might be getting up to.

2 Configuration

 iCrawler	
Stable release	1.0
Development status	Active
Operating System	Android 4.2+
Platform	Android
Internet connection	Yes
Available in	English
Type	Monitoring Application
License	Free
Website	www.github.com/u11241617/COS301-Mobile-Monitoring-App

3 User Access Levels

Our Github repository is private, only invited users can download the application, additionally a user has to be registered on iCrawler to be able to have the app submit their user activities onto the dashboard, and to be able to log onto the dashboard.

4 Installation

The iCrawler APK (Android Application Kit) is currently only available for download on our GitHub repository. Follow this link in order to start the download...

<https://github.com/u11241617/COS301-Mobile-Monitoring-App/tree/master/Android%20Project/>

When the download has successfully completed the installation should automatically start, if not follow the following steps:

1. Navigate to 'File Management' from the options menu on your device
2. Under 'Device Storage', locate a folder named 'Download'
3. Locate and launch a file named 'iCrawler.apk' within this folder
4. When a 'Install blocked' popup appears, select the 'Settings' option
5. Scroll down and check the option 'Unknown Sources'
6. Another popup will appear, simply click 'OK' then 'Next' followed by 'Install'
7. On completion you will see the options 'Done' and 'Open', click 'Open' to start the app ...

5 Getting Started

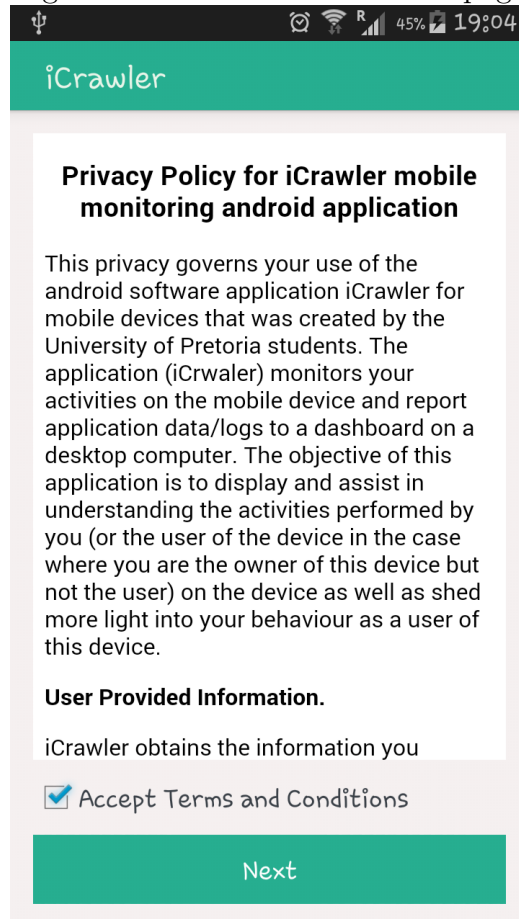
NB: iCrawler is a tabbed app which consists of 3 tabs namely: Terms and Conditions, Sign up, and Sign in tab. All the tabs have an icon and additionally, name at the top to allow distinguishing them easily.

After successful installation, locate the iCrawler app icon and click on it to run the app.

- **Terms and Conditions**

Before you can use iCrawler you need to read the 'Terms and Conditions' on startup and only after accepting them can you proceed, if you don't accept you can not use the app.

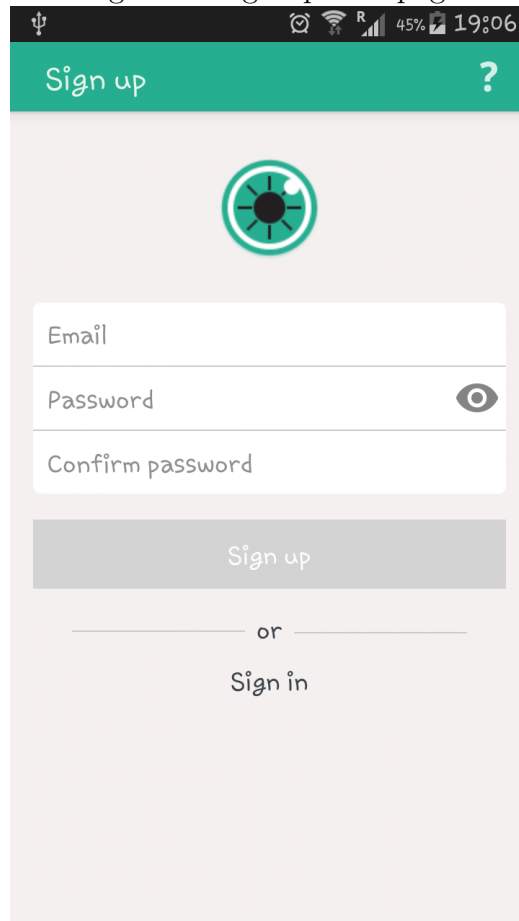
Figure 1: Terms and Conditions page




- **Sign up new user**

If you are a first time user you need to sign up after accepting the 'Terms and Conditions'. You need to provide a working *email address* and create a *password* you will use to sign in with in future. If you have an existing account, simply 'click Sign in' to go to the sign in page.


Figure 2: Sign up user page



Sign up ?



Email

Password 

Confirm password

Sign up

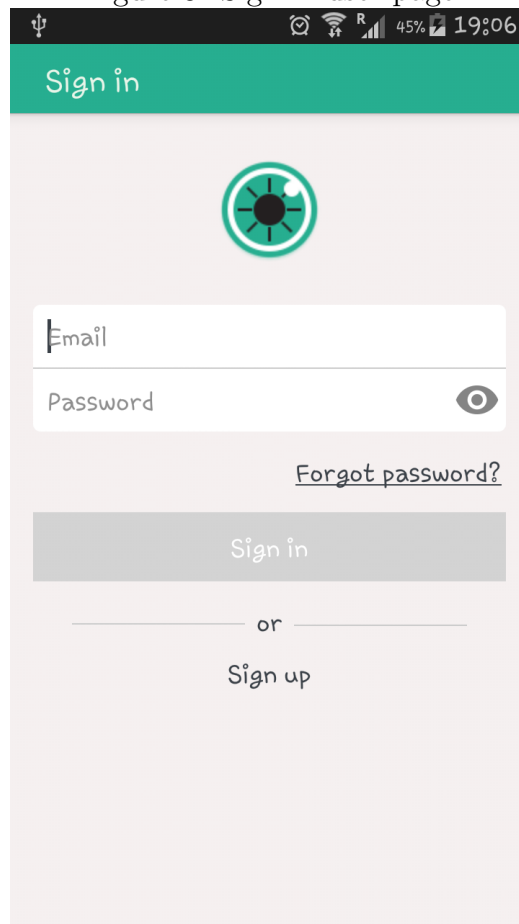
or

Sign in

- **Sign in as existing user**

If you have used the iCrawler app before, you need not to sign up again, simply enter your credentials and then 'click Sign in' in order to subscribe the new device. If not, 'click Sign up' to register as a new user.

Figure 3: Sign in user page



The screenshot shows the 'Sign in' page of the iCrawler app. At the top, there is a green header with the text 'Sign in'. Below the header is a circular logo with a green border and a black center. Underneath the logo are two input fields: 'Email' and 'Password'. The 'Password' field has a toggle icon (an eye) to its right. Below the input fields is a link that says 'Forgot password?'. At the bottom of the form is a large grey button labeled 'Sign in'. Below this button is a horizontal line with the word 'or' in the center, and below that is a link that says 'Sign up'.

6 Using the App

The app runs in the background after 'Signing up or Signing in'; there is no other form of interaction with the app thereafter. You can access the log reports generated via the dashboard.

7 Troubleshooting

The following section lists some of the iCrawler app's possible issues and resolutions:

- **Does not launch.** Restart your phone and try to launch the application again.
- **Crashes immediately after launch.** Ensure that your device meets the minimum specifications to run iCrawler (See configurations). Go to Settings → Apps → Manage Apps → Running, to check if your apps are not using up all your memory. Try to end all processes you do not need and re-start your phone.
- **Other unknown causes.** If problems continue, delete the app completely and then reinstall it from Google Play Store.