

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/>

NB: Open the *app-release* folder to find the apk

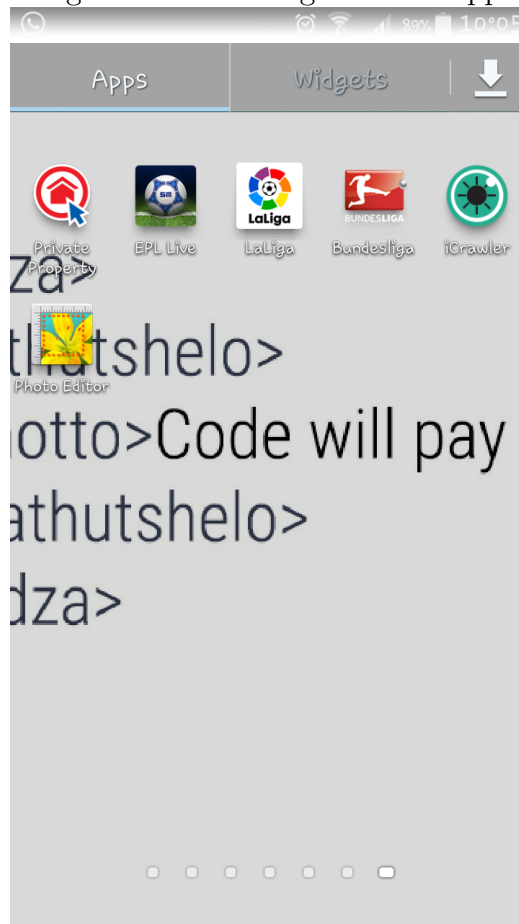
When the download has successfully completed the installation should automatically start, if not follow the following steps:

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

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

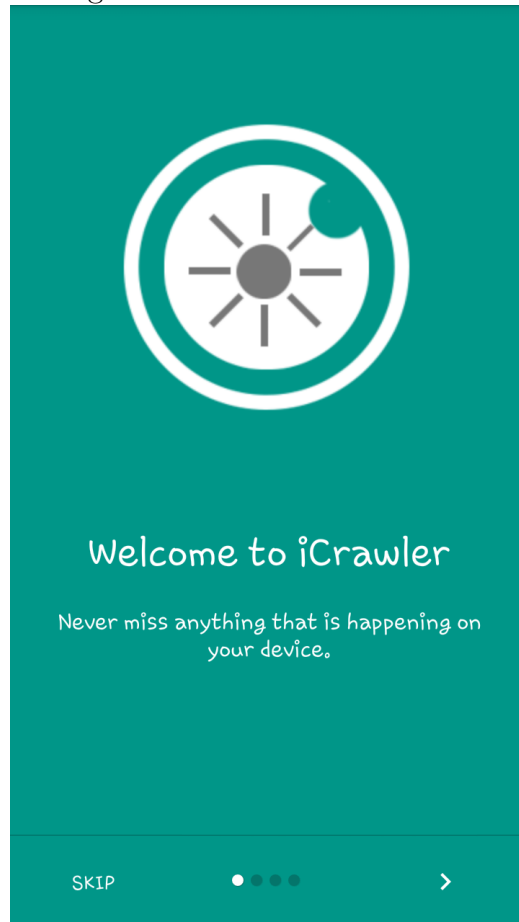
Figure 1: Launching iCrawler app



- **Welcome to iCrawler**

This is the landing page when you launch the app. This page introduces what the app is about and also provides you with the options to either proceed with the app tour or skip to sign up/sign in.

Figure 2: Welcome to iCrawler

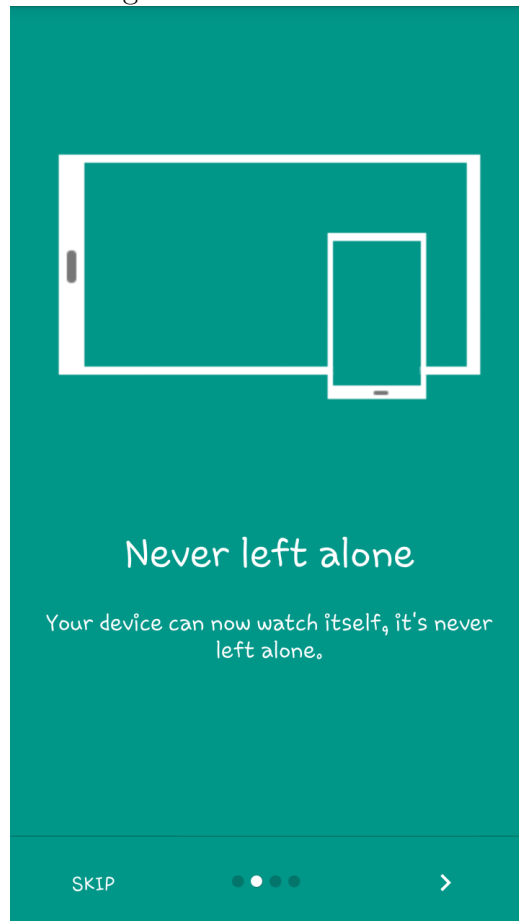


- **Take tour**

If you opt to take a tour, this tour will explain all the features that come with this app.

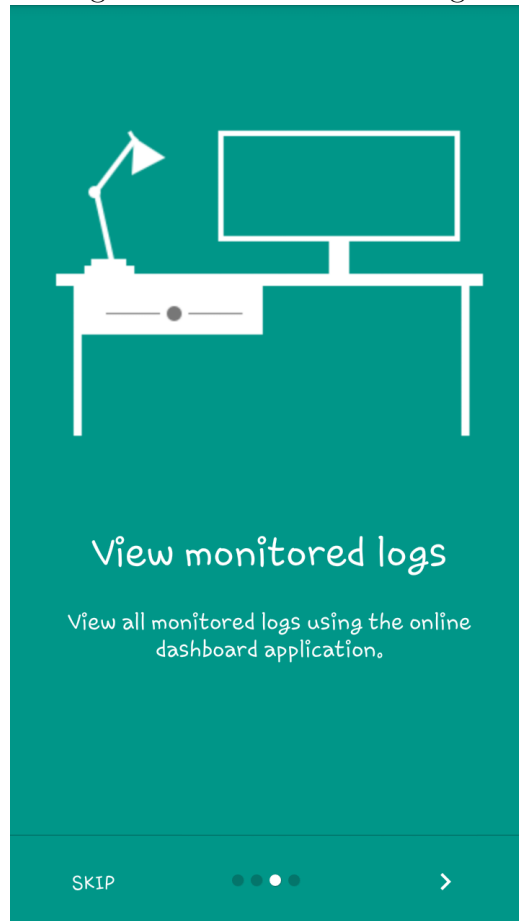
The app runs on the background collecting and compiling data logs of activities on your device.

Figure 3: Never left alone



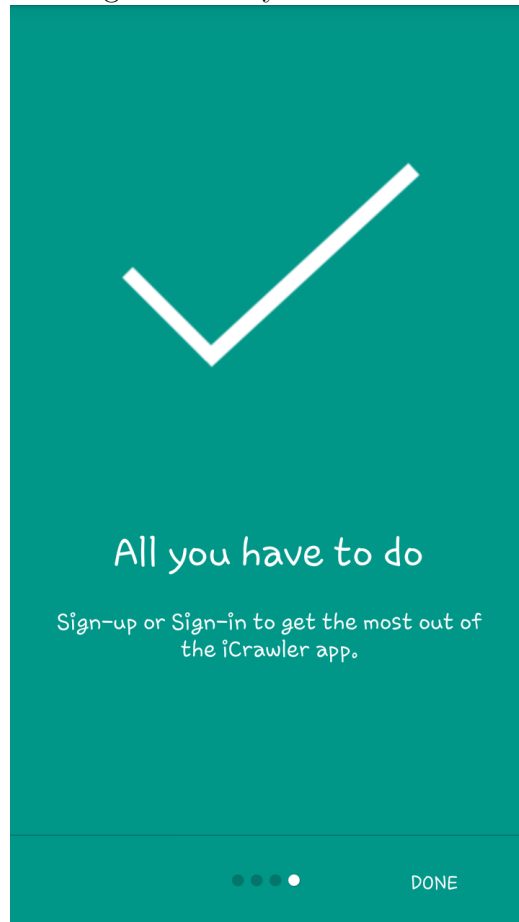
To view the compiled logs you simply log onto the web application, using either your laptop or desktop, with your credentials and view the collected data.

Figure 4: View monitored logs



To be able to use the awesome features that come with this app, all you have to do is sign up, if you are a new user, or simply just sign in and you are ready to go!

Figure 5: All you have to do

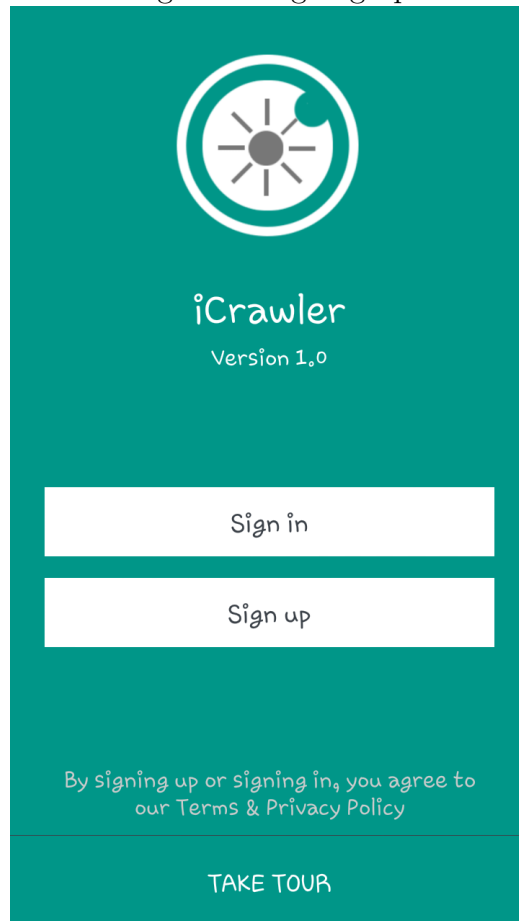


- **Skip tour**

If you decided to skip the app tour then you get the options to Sign up or Sign in; you can still take the tour by clicking the 'Take Tour' link at the bottom.

By signing up or signing in, you agree to our Terms and Privacy Policy.

Figure 6: Signing up



If you have never used the iCrawler app before, you need to sign up; simply enter your valid email address and password then click the 'orange arrow' pointing to the right in order to subscribe as a new user.

Figure 7: Signing up

Sign up

Email

Password

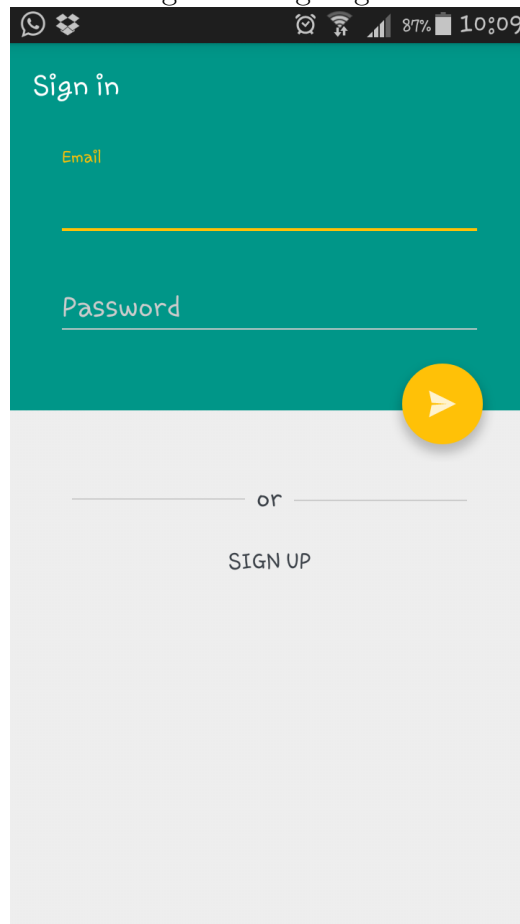
Confirm password

or

SIGN IN

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

Figure 8: Signing in

A screenshot of a mobile application's sign-in screen. The screen is divided into two main sections: a teal top half and a light gray bottom half. The teal section contains the text "Sign in" at the top left. Below it are two input fields: the first is labeled "Email" in yellow text and has a yellow underline; the second is labeled "Password" in white text and has a white underline. A large yellow circular button with a white right-pointing arrow is positioned on the right side of the teal section. The light gray section contains the word "or" centered between two horizontal lines, and below that, the text "SIGN UP" is centered.

Sign in

Email

Password

or

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.