

RedLaser and ZXing Sample Apps

by

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Installation:

1. Download the attached files your computer.
2. Connect your android phone to a computer using a USB cable.
3. Select the 'open device to view files' option when prompted.
4. Click on the phone folder (drive).
5. Copy the attached .apk files to device (phone).
6. Disconnect the device.
7. On the device open 'Apps > My Files > SD Card'.
8. You should find the .apk files you copied.
9. Select each apk to install and accept the conditions to install, like 'select package installer', 'just once', and 'install'. You can install the redlaser app on 25 devices only.
10. You can find your apps installed in the 'App' section.

Usage:

SAL_ZXSample (Barcode Scanner)

1. Open the app and select 'Scan'.
2. You will get a little help screen. Close it when you are done reading.
3. This opens a rectangular area to scan barcodes.
4. When you position this over a bar code it will scan and show the code.
5. This works with one code at a time.

SAL_RLSample (RedLaser)

1. Open the app and select 'single or multi scan'
2. Position the rectangle over the barcodes and it will show how many it scanned.
3. When you click 'done' you will send the scanned codes.

Work log:

We investigated the below paid and free apps. Most of the forums recommend using zxing library which is an open source free lib. Some of the other free sdks are built on top of zxing.

Here are the paid ones we looked at:

- redlaser - <http://redlaser.com/developers/>
- scandit - <http://www.scandit.com/pricing/>
- photopay - <http://pdf417.mobi/#pricing>
- scanlife - <http://www.scanlife.com/pricing>

The primary difference between these sdks seem to be in the pricing models (subscription vs per device vs enterprise etc.) and the types of codes supported. RedLaser seem to have a comprehensive support.

Here are the free ones we checked:

- zxing - <http://code.google.com/p/zxing/>
- zbar/zint - <http://zbar.sourceforge.net/>
- manatee - <http://manateeworks.com/>

We implemented prototypes with one free library and one paid library. Without implementing the other libraries, it is hard to compare the quality difference between them.

Time Log

1/13/14 - 8hrs

- Investigation and research - 2hrs
- Implementation of ZXing library sample - 3hrs
- Implementation of RedLaser sample - 3hrs

1/14/14 - 4hrs

- Re-implementing RedLaser with test license etc - 2hrs
- Testing all samples - 2hrs