

Text Scanner App

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Purpose & Technologies

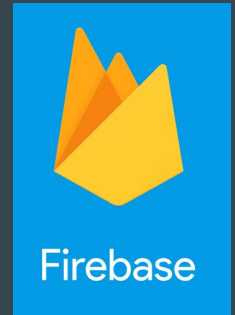
Goals:

Scan and combine receipts.

Create itemized totals for expense tracking.

Google ML Kit : Text Recognition v2:
model available from Google Play services.

Firebase Storage :
Store saved images and generated text.



Features

- Save and load images Camera ↔ Cloud
- Extract text from a saved image or from camera.
- Display extracted text to user.
- Process text and save to cloud.
- (Unfinished) Combine receipt items and calculate totals.

Screenshots

Coffee House STORE #150
325 W 49th
Austin, TX (333)321-3333

CHK 567141
07/17/2017 09:13 AM
983174 Drawer1 REG:1

Americano \$3.78
Steamed Milk \$1.00

XXXXXXXXXX3843
SUBTOTAL: \$4.78
TAX: \$0.00
TOTAL \$4.78
CHANGE DUE \$0 .00

07/17/2017 09:13 AM

Get your 10th cup free! Join
Our Frequent Coffee Club
online.

08:48

Saved

Camera

Enter Receipt Name

Coffee Heuse
325 M 49th
Austin, TX
S67141
07/17/2017 09:13 AM
983174Braver
Aneri cano
Steared Milk
XXXXXXXX*XXX843
SUBTOTALE
TAX:
CHK
TOTAL
CHANGE DUE
STORE N150
online.
(333)321-3333
REG:1
\$4.78
\$0.00
\$4.78
s0 -00
07/17/2017 09:13 AM
Get your 10th cup free! Join
Our Frequent Coffee CLub

Save Items

Screenshots

GROCERY

FL SLIDER FREEZER BG	2.29 B
FL FRZR QT SLIDR BAG	2.29 B
H&S SMTH & SILKY CD	6.79 B
SUNMAID RAISINS	6.29 A *
CO ONE DAILY MENS	4.19 B
CO ANTISEP RNSE MNT	4.19 B
SCUNCI ELASTIC THICK	2.59 B
ROCKSTAR PUNCHED M	
2 @ 2.19	4.38 B *
ROCKSTAR RECOV LMNDE M	
2 @ 2.19	4.38 B *
POST SHRED WHT15Z	4.69 A *

HOUSE

08:56 [Signal Icons]

Saved

Camera

Enter Receipt Name

20
PISI SHRED HTI52
ROCKSTAR
RECOV
LMNDE
20 219
ROCKSTAR PUNCHED
SCUNCI ELASTIC HICK
CO
ANTISEP RNSE MNT
CO ONE DAILY MENS
SUNHAID RAISINS
H&S SMTHH & STLKY CD
FL FRZR QT SLIDR BAG
FL SLIDER FREEZER BG
2.19
M
4.69 A
4.38 B
M
4.38 B
4.19 B
4.19 B
6.29 A
6.79 B
2.29 B
GROCERY
2.59 B

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Challenges

- Getting text from blurry or poorly lit images.
- Extracting information from different text formats with regular expressions.
- Getting camera permission to work and accounting for camera rotation.
- Troubleshooting crashes.