Receipt Keeper

Receipt Management Application

Changho Choi
Hassan Nahhal
Nicholas Collins
SungJoe Kim

Mobile Solutions Development

Team members

Changho Choi

- Mobile UI/ Web Sync.

Hassan Nahhal

- Mobile UI/ Back-End

Nicholas Collins

- OCR/ Mobile Front-End

SungJoe Kim

- Web UI/ Front/ Back-End

Introduction

- be familiar with spending
- avoid impulse buying
- manage your money
- save you time & effort
- here's the way …

Agenda

- problem
- solution
- technologies
- methodologies
- features (mobile/ web)
- future plans
- conclusion

⚠ Problem

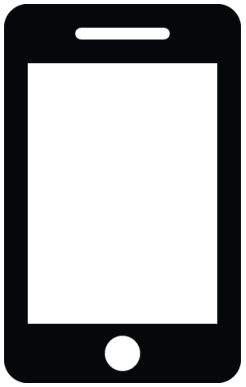
- forget stuff bought
- tracking all of this is a handful
- strict budget
- alternative is not ultimate
- a long process to start using it
- offer limited functions
- focused on private, personal use

Our Solution

- quick and easy access to start
- no extra devices required
- scan receipt & store it online
- filter, search for receipts, export as files
- generate charts, reports feedback
- support working in groups

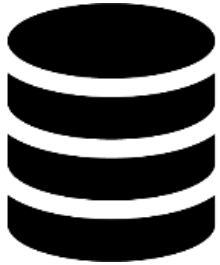
Work Process

scan receipt

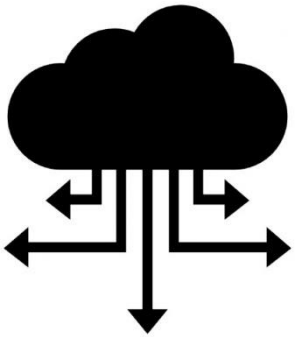


output data

save in database

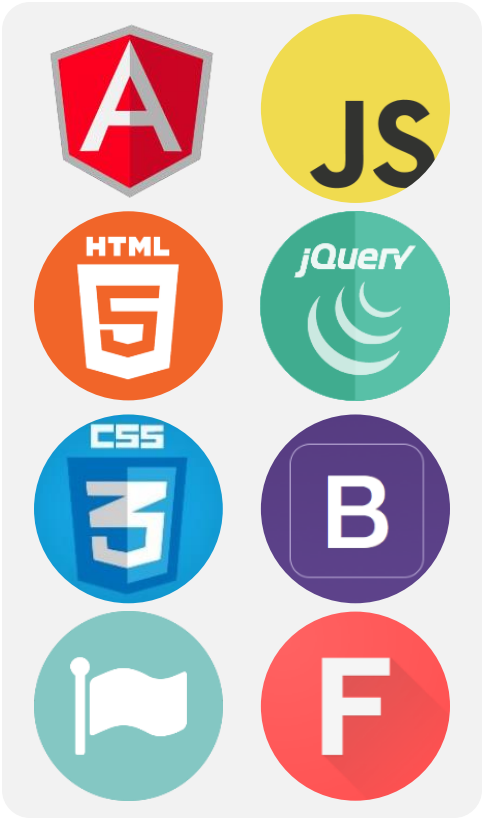


view anywhere



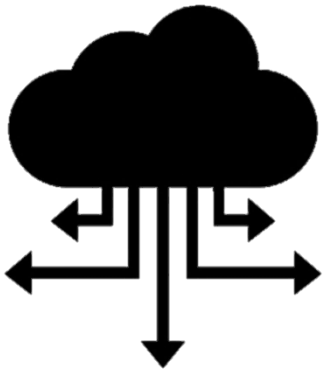
track expenses

Technologies



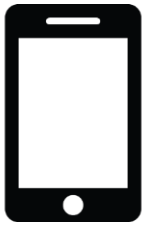
web

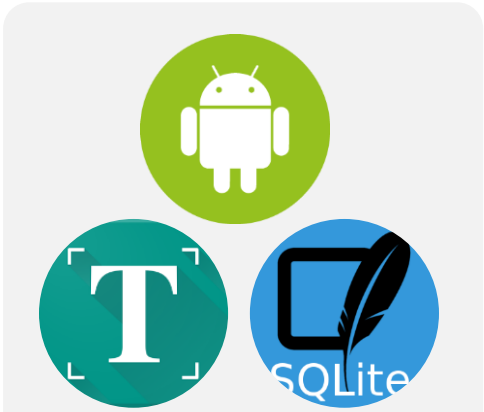
BAAS



PAAS / SVC

DAAS





mobile

Methodologies

development methodology

- Agile Unified Process (2 week iterations)

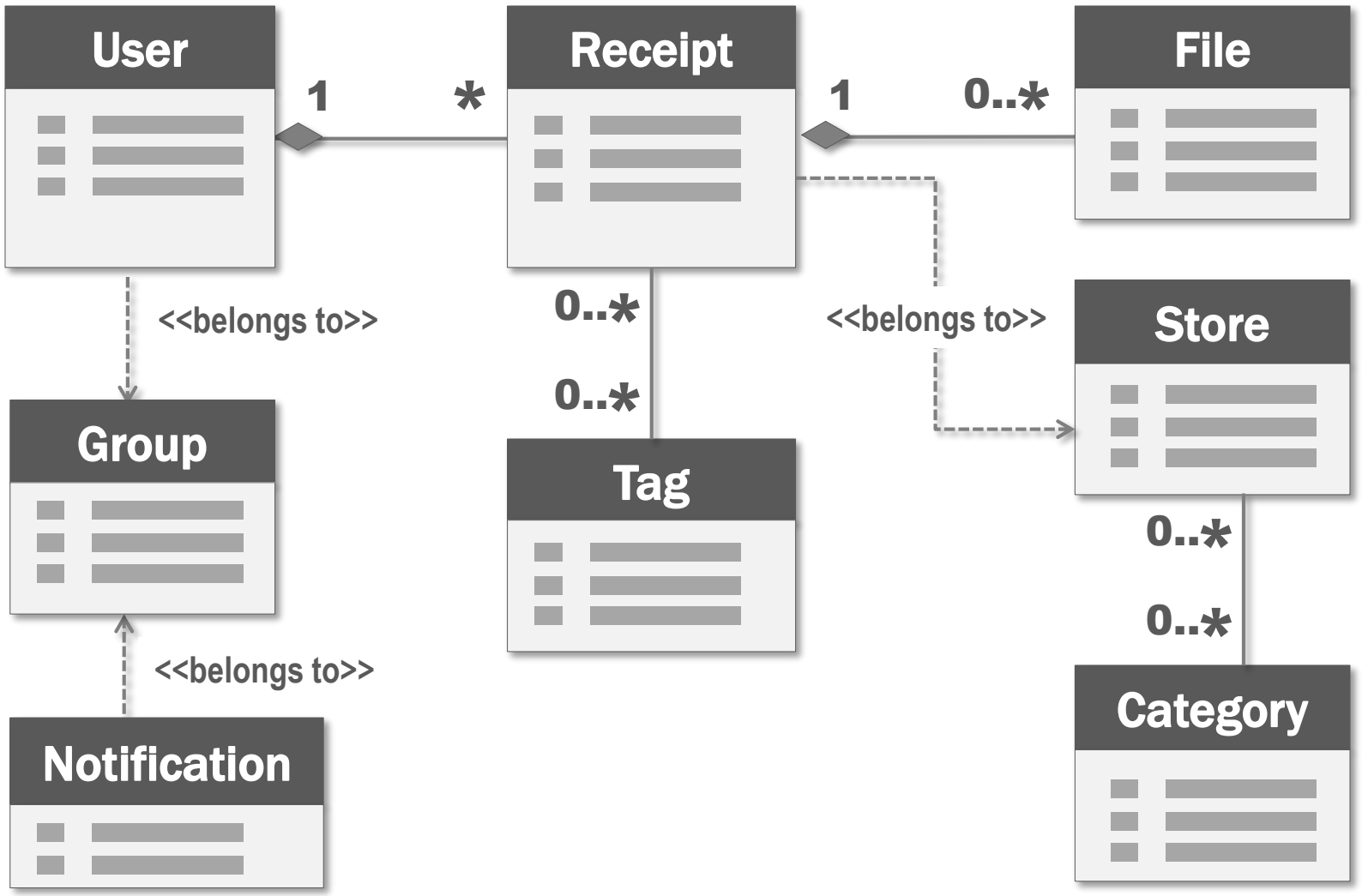
source control & change management

- 3 GitHub repositories
  - master and branch (dev_prod)
  - wiki to keep track of outcome
  - issues tracking to assign fixes or tasks

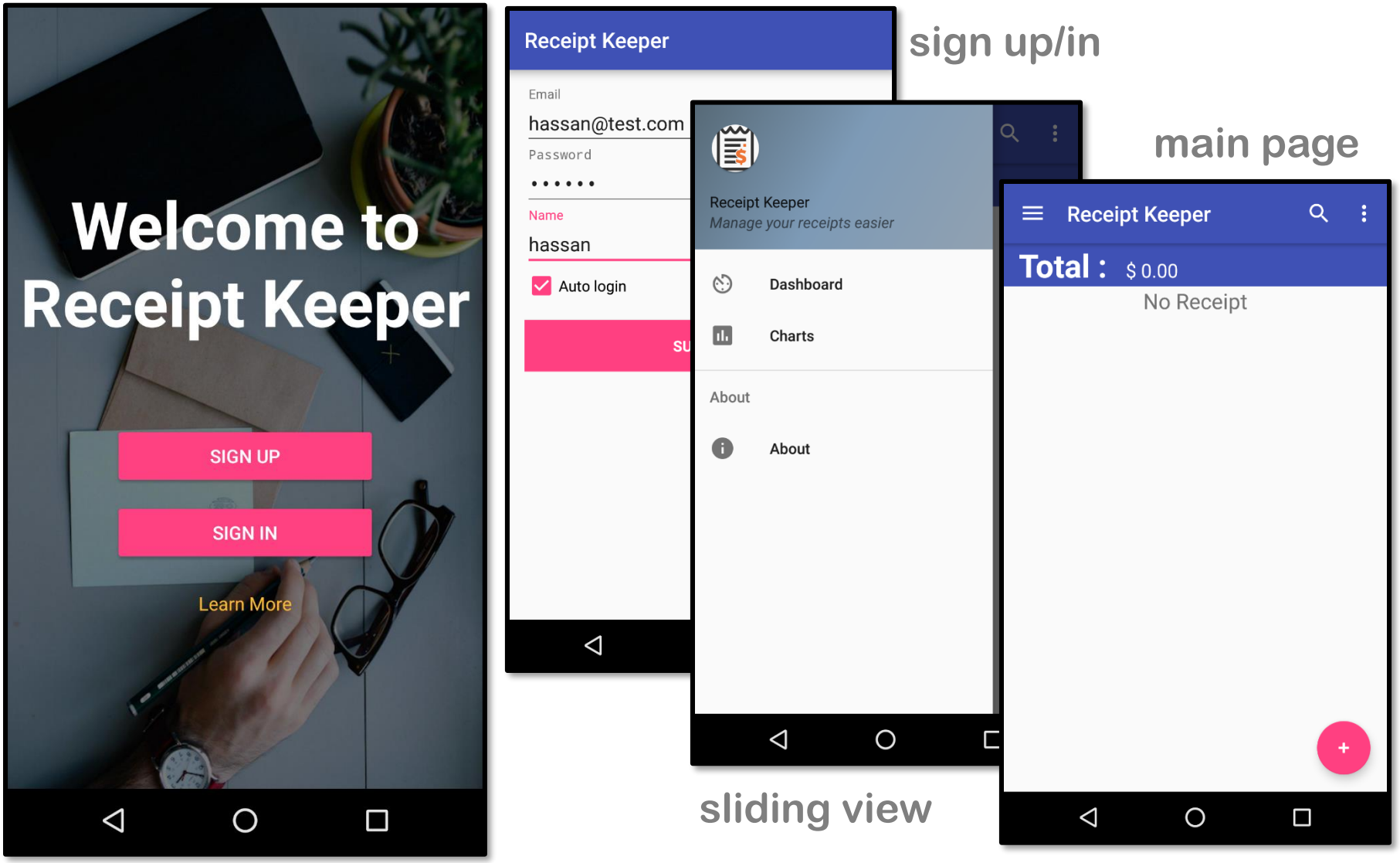
communication

- Slack and regular meetings

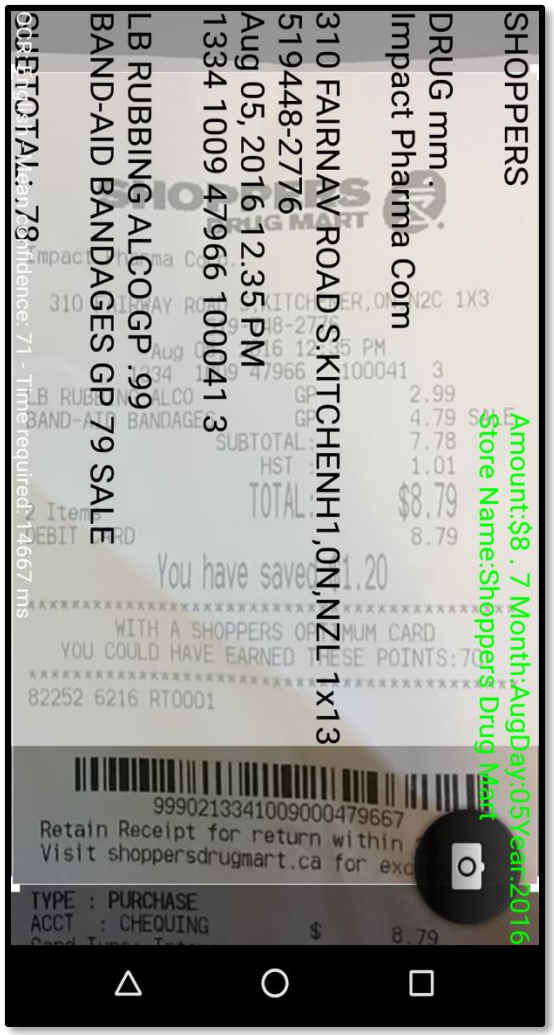
Domain Model



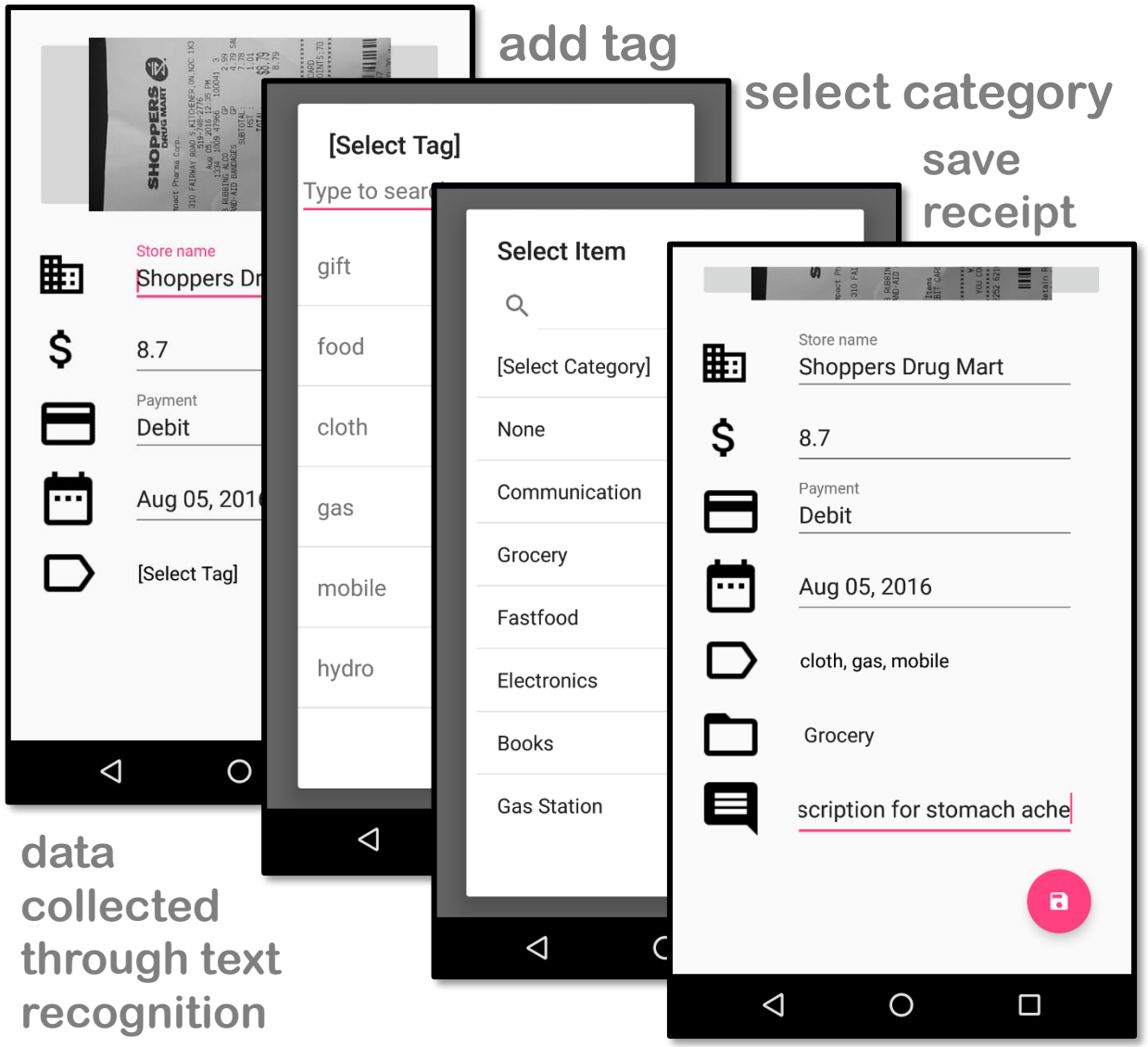
Features (mobile app)



Features (cont.)

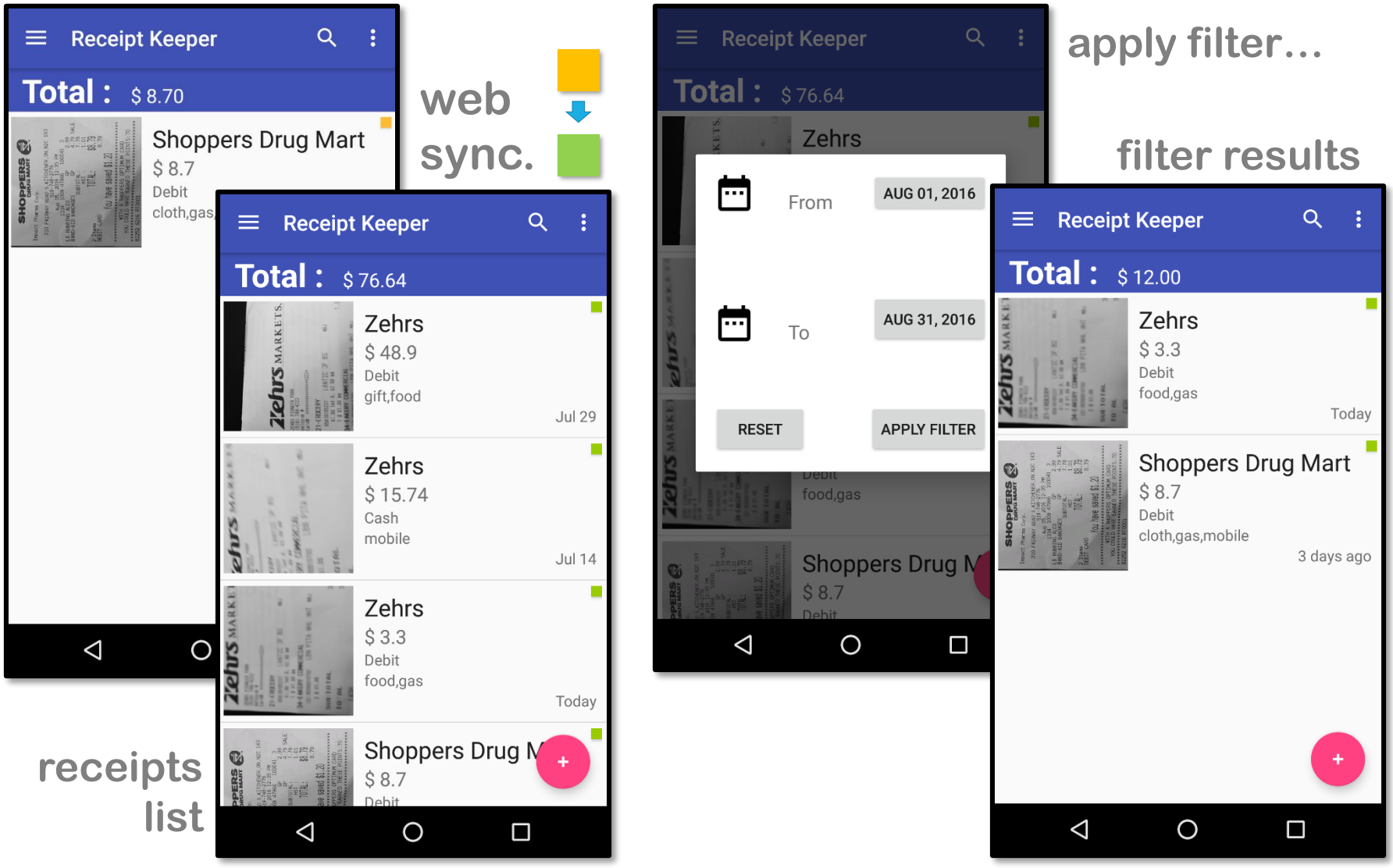


scanning receipt

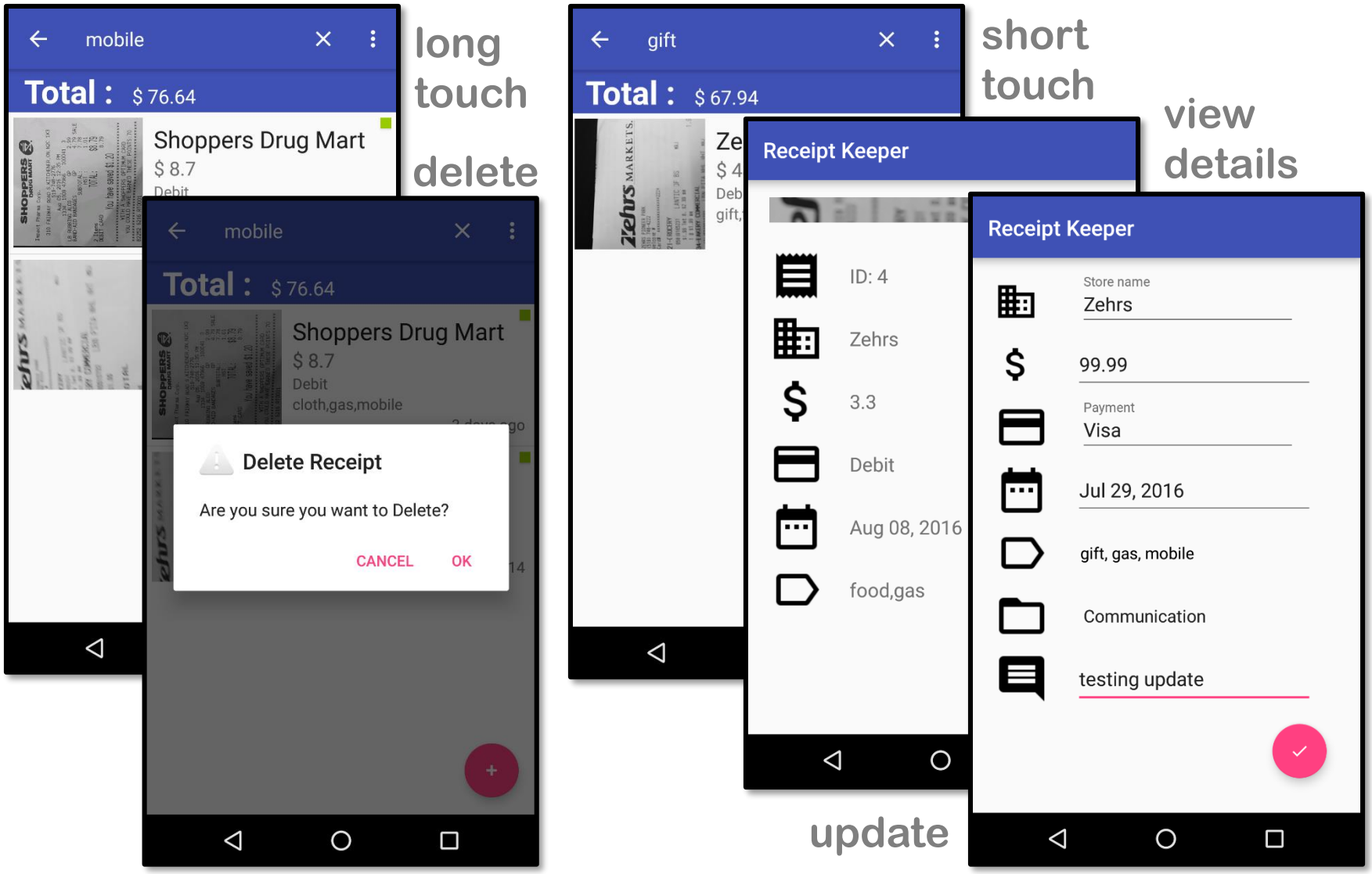


data collected through text recognition

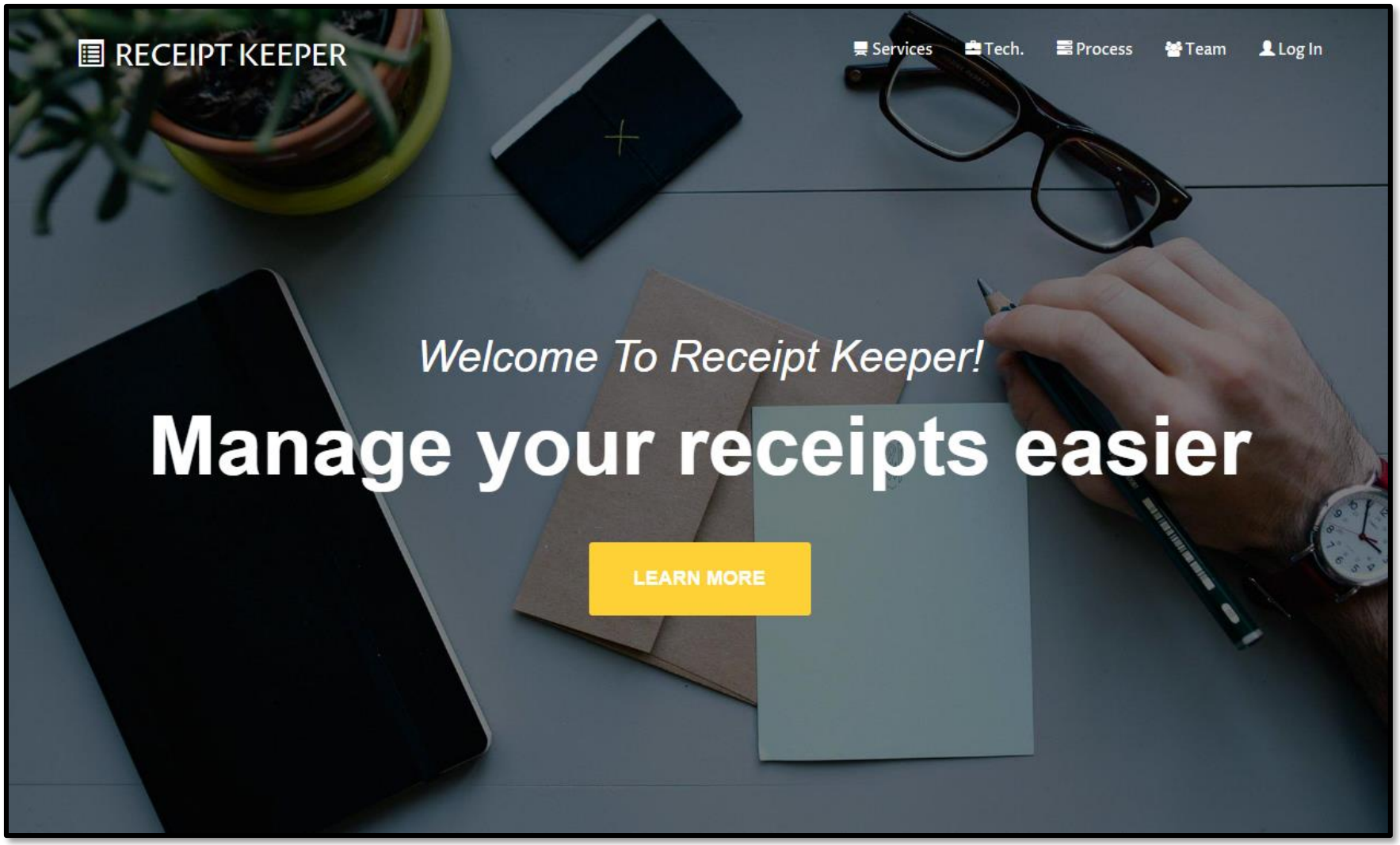
Features (cont.)



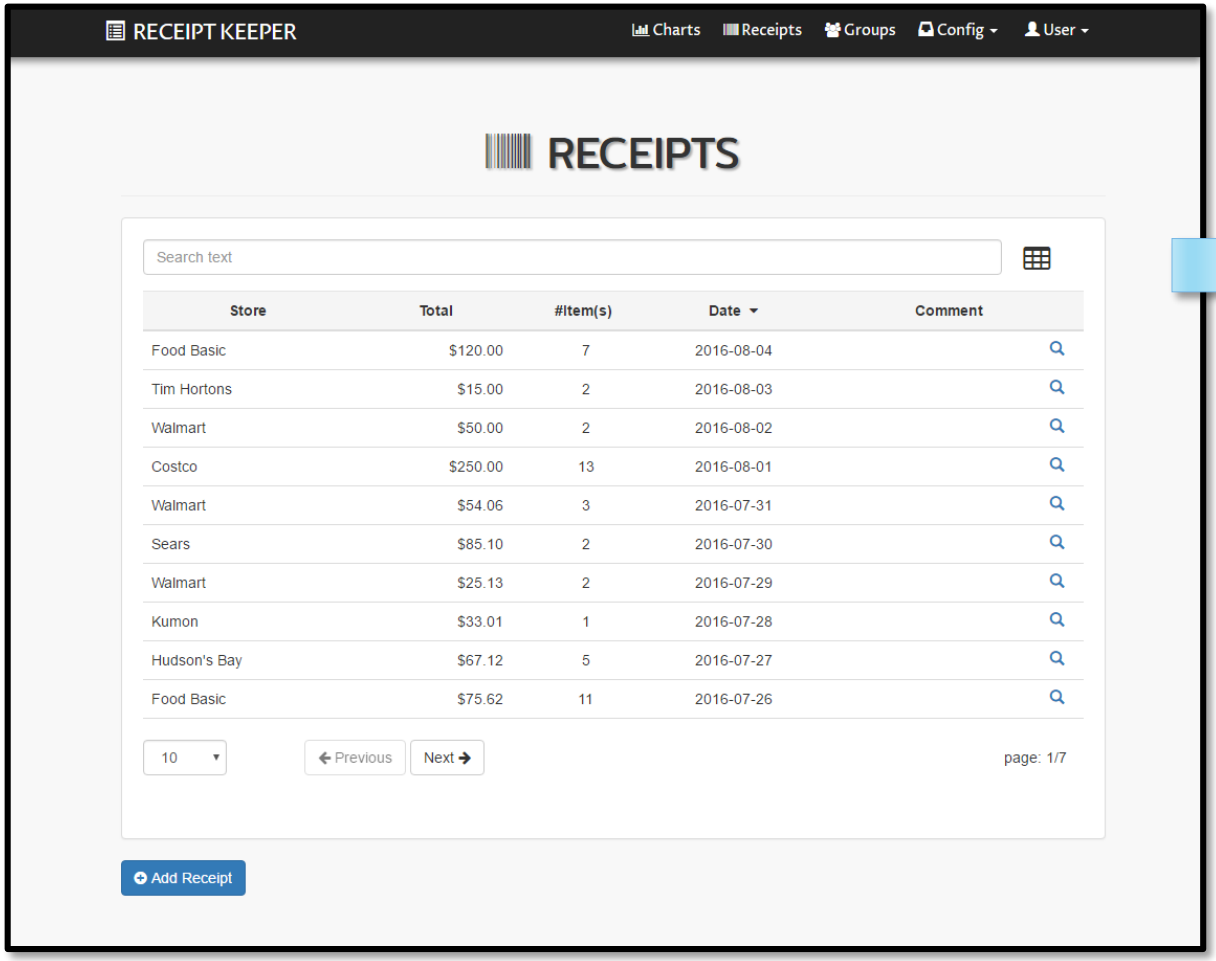
Features (cont.)

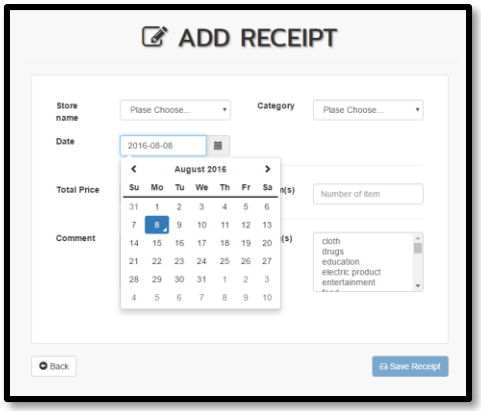


Features (web app)



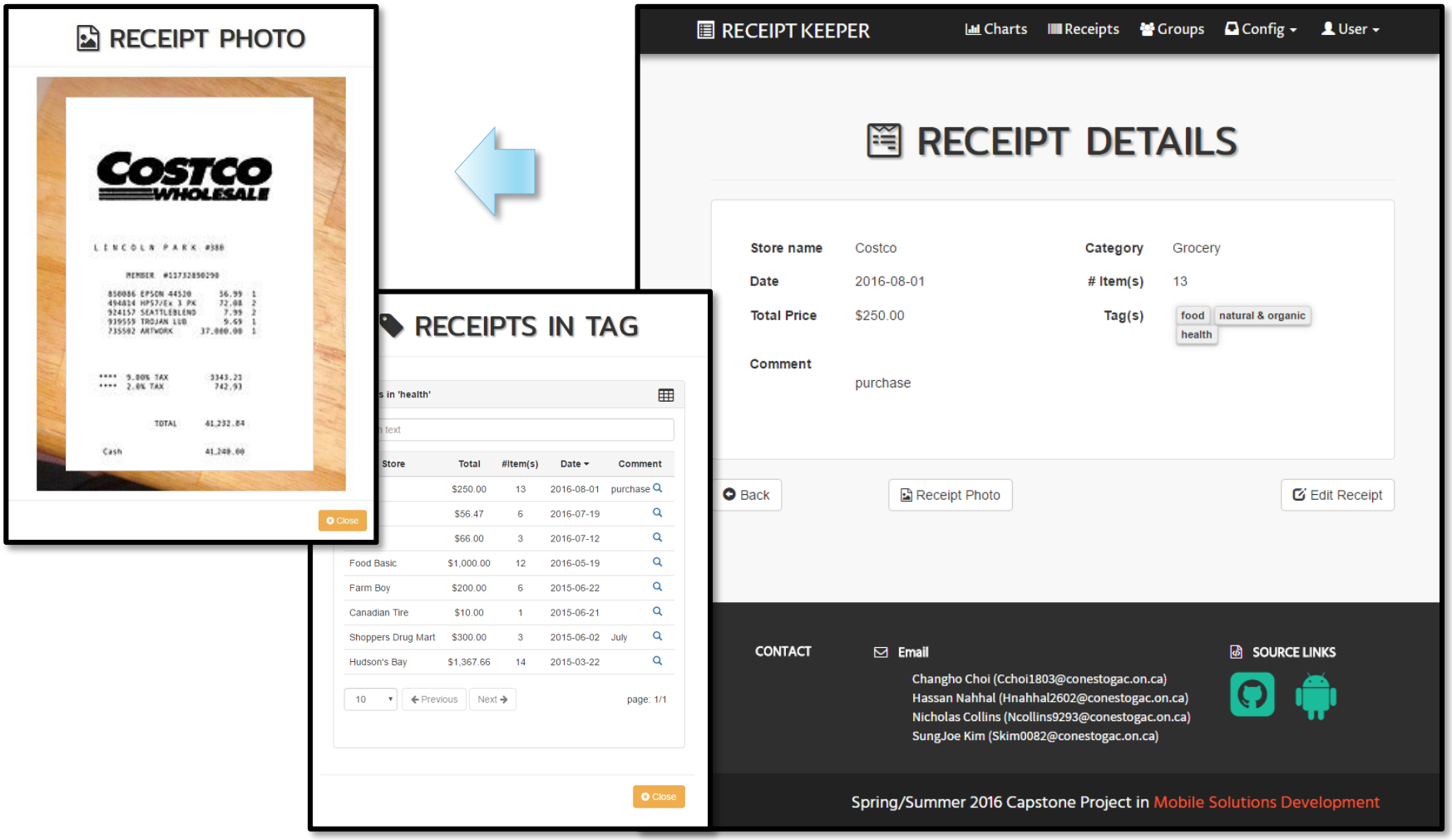
Features (cont.)





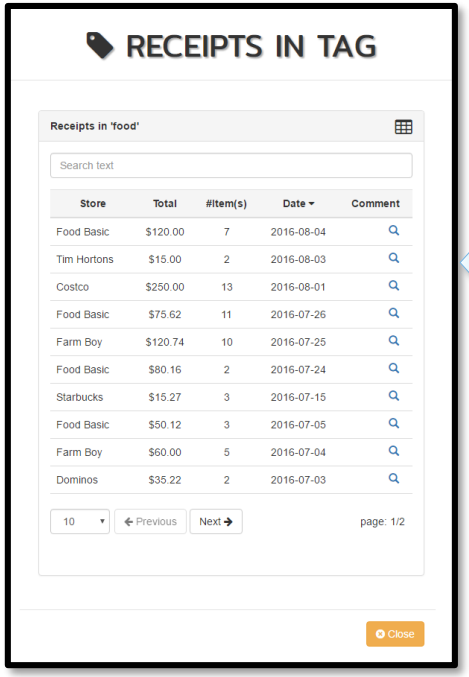
- search/ sort/ pagination/ excel export

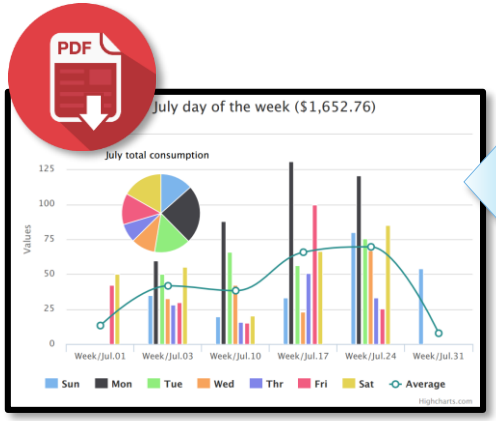
Features (cont.)



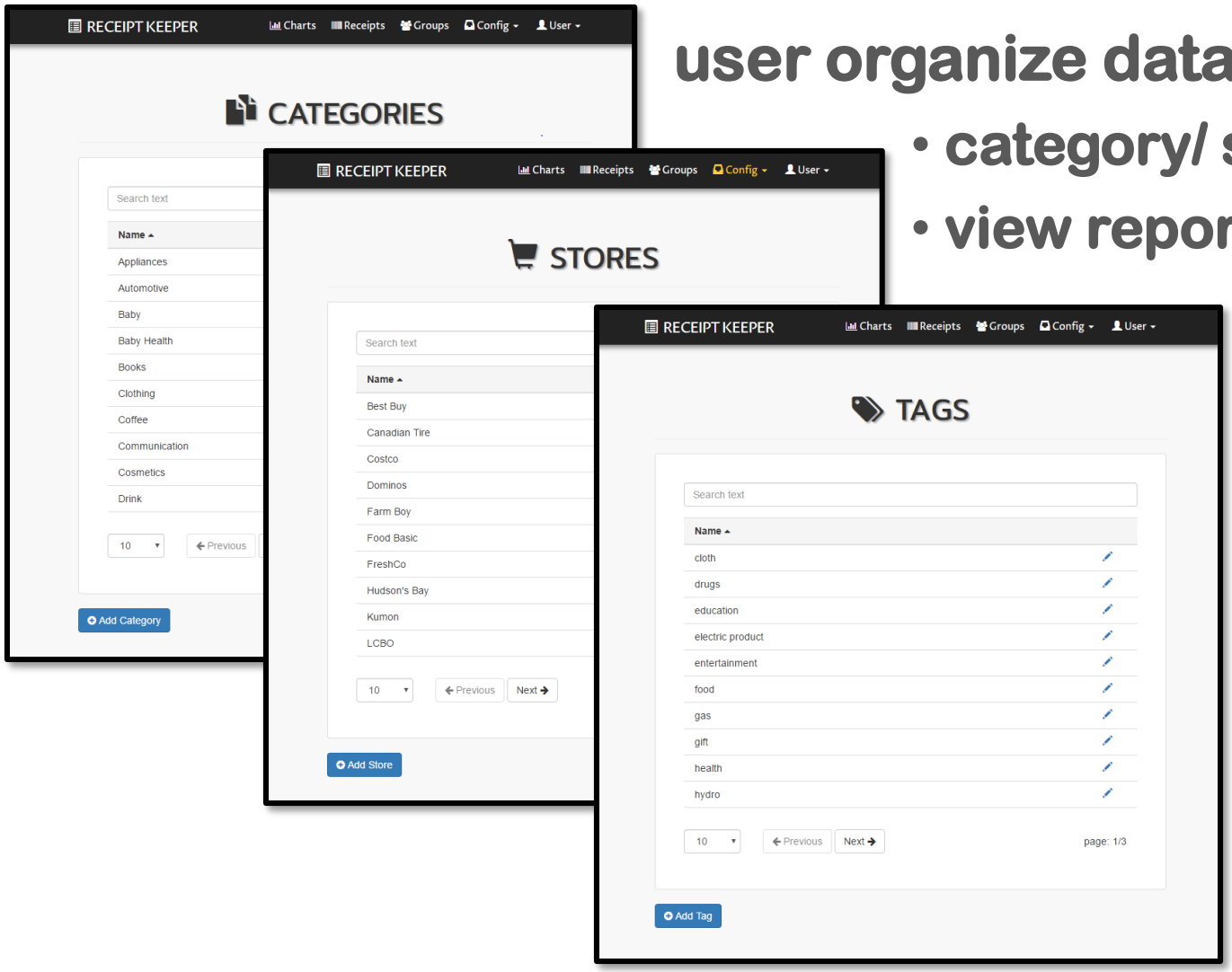
- receipt photo/ extract receipts from tag

Features (cont.)





Features (cont.)

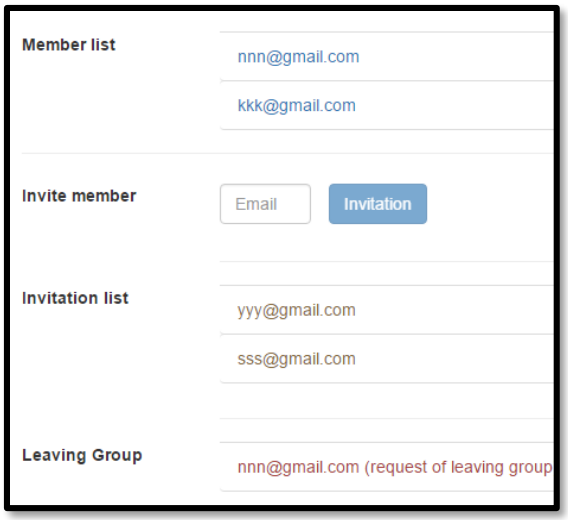


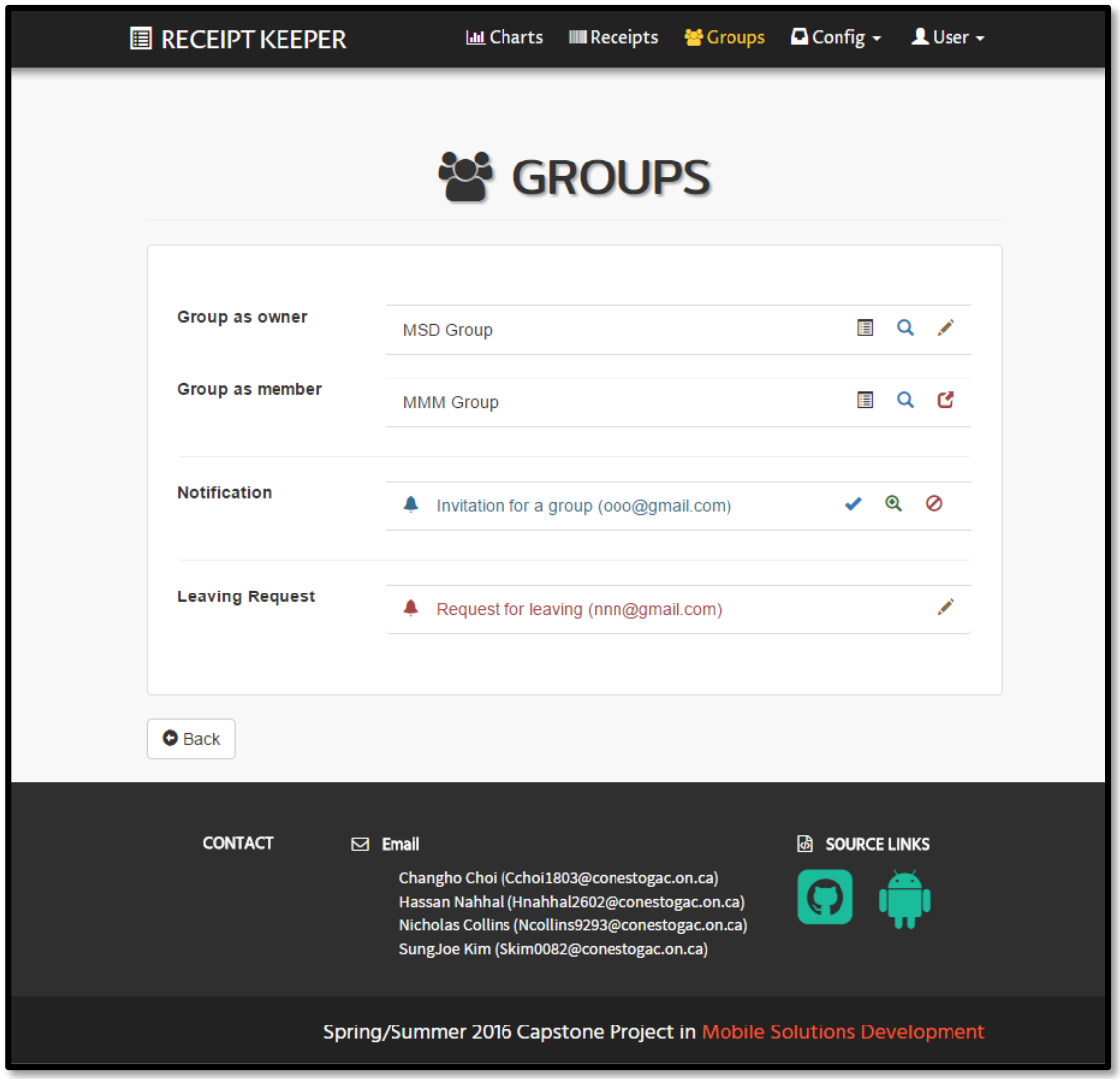
user organize data structure

- category/ store/ tag
- view reports based on them

Features (cont.)

- create group
- works in group
- invite member
- store & share





Future Plans

- save daily paperless receipts
- import/ export in various formats
- switch between account type
- combine multiple images
- OpenCV to improve accuracy
- track each member in group
- retrieve from specific item

Conclusion

- scan receipts with mobile devices
- save data local or online
- track spending
- view and export reports as files
- provide various visual information
- access anywhere/ anytime
- support working in group

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