# Receipt Keeper

Receipt
Management
Application



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**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









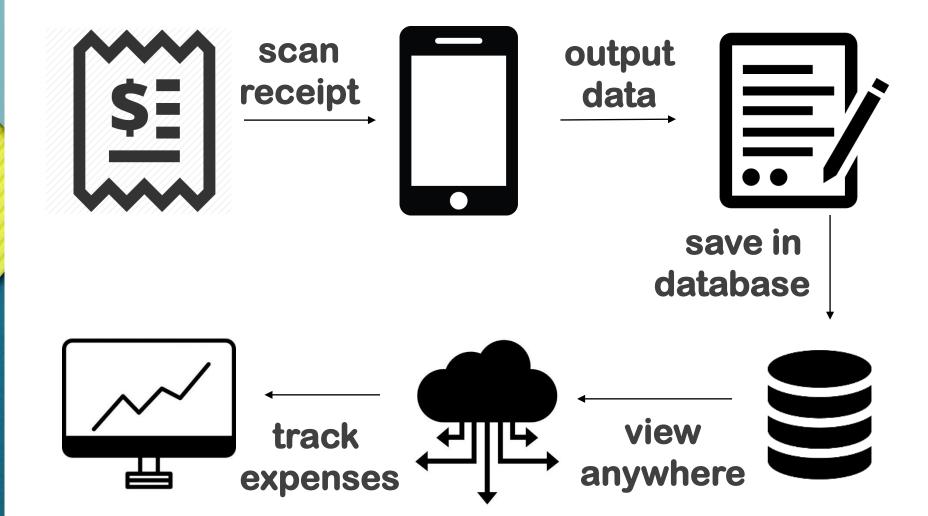






### Work Process





# Technologies

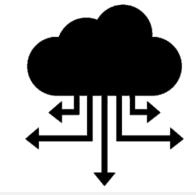














#### **DAAS**











# 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

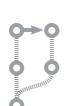
#### communication

Slack and regular meetings



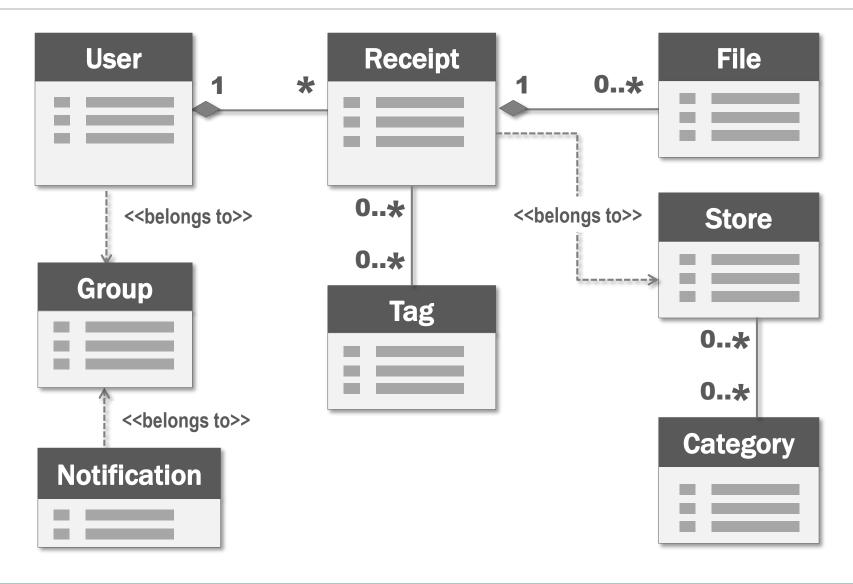






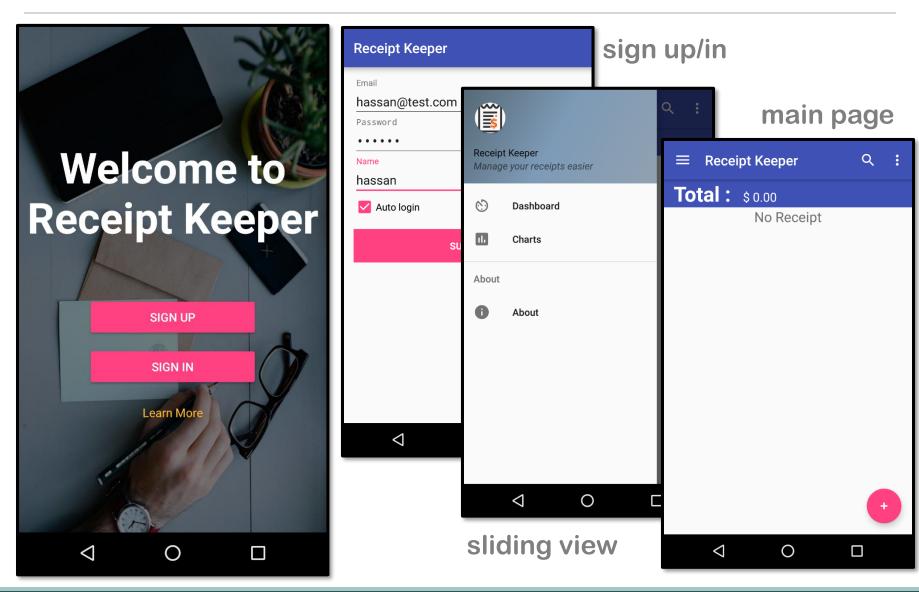
### Domain Model





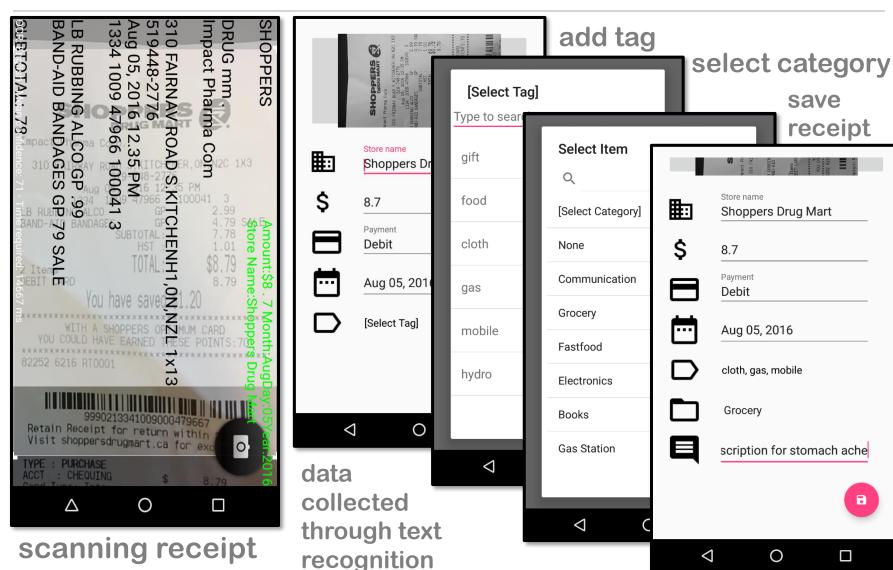
## Features (mobile app)





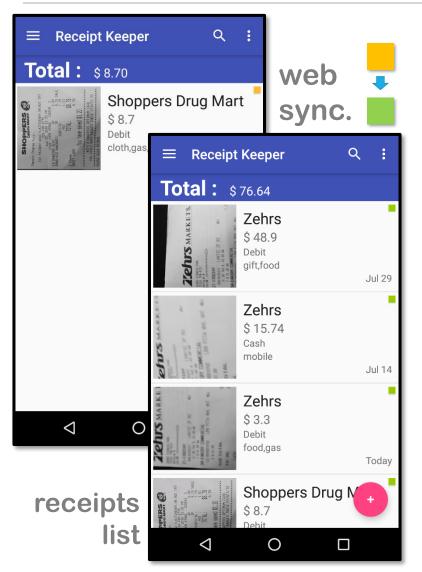
### Features (mobile - cont.)

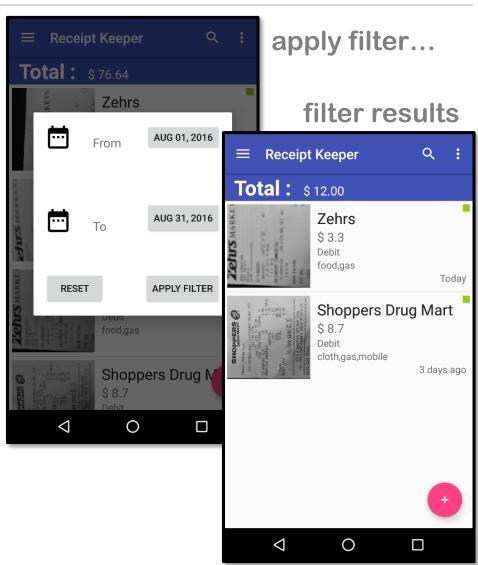




# Features (mobile - cont.)

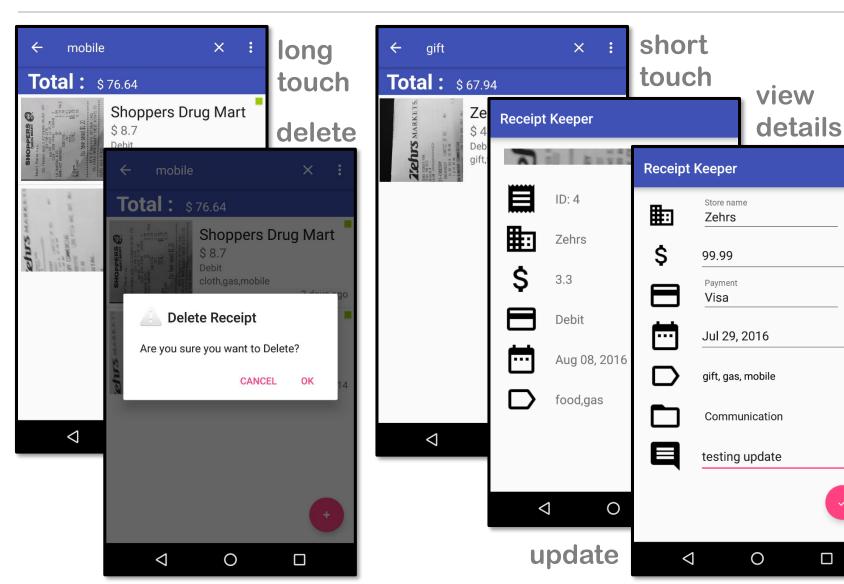






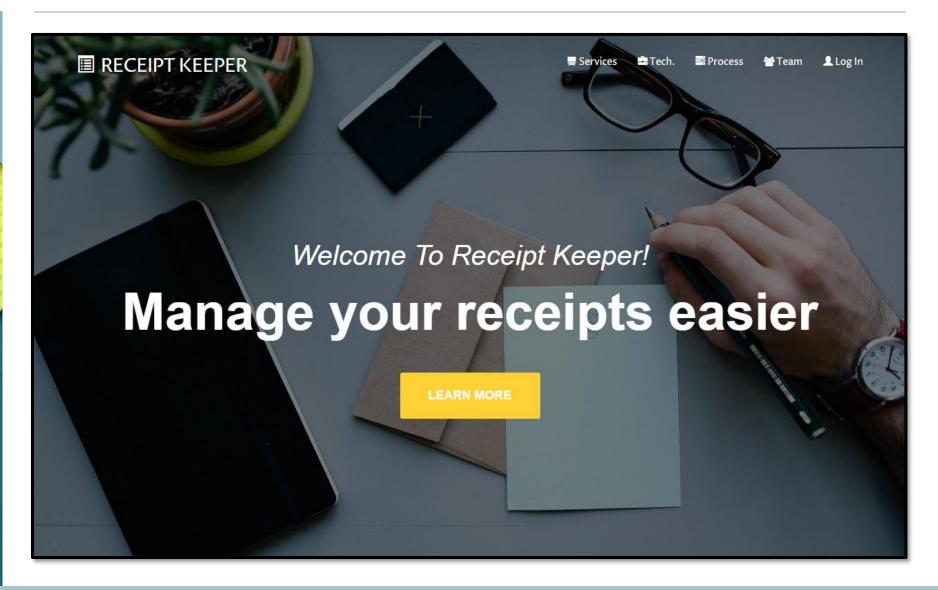
# Features (mobile - cont.)



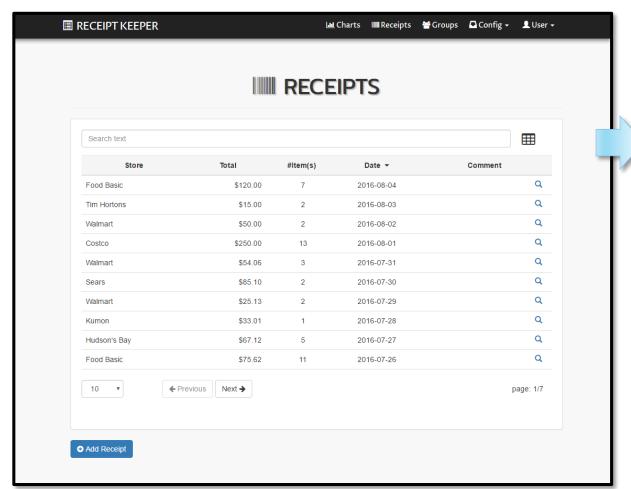


## Features (web app)

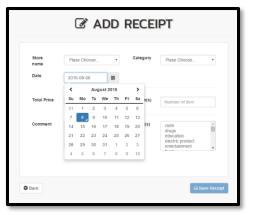






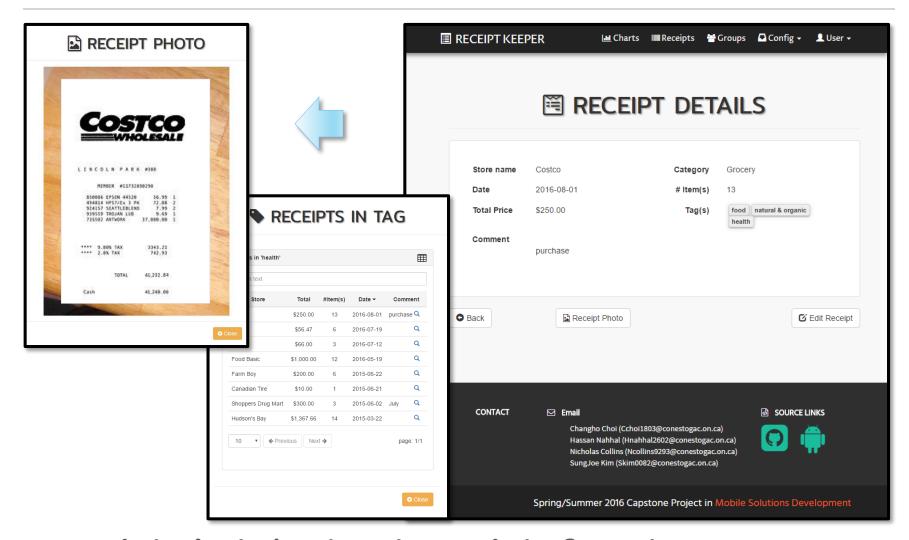






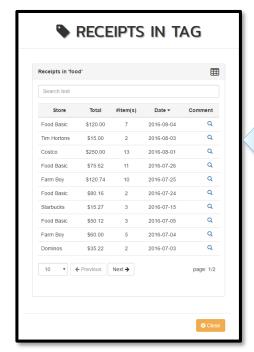
search/ sort/ pagination/ excel export

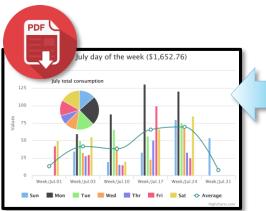


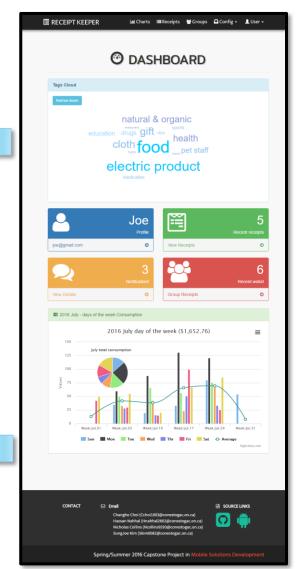


receipt photo/ extract receipts from tag



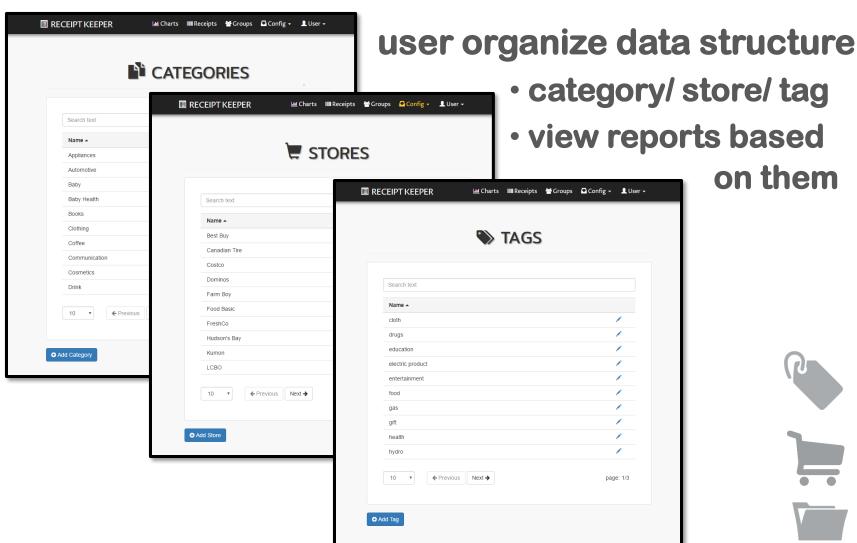












category/ store/ tag

view reports based

on them





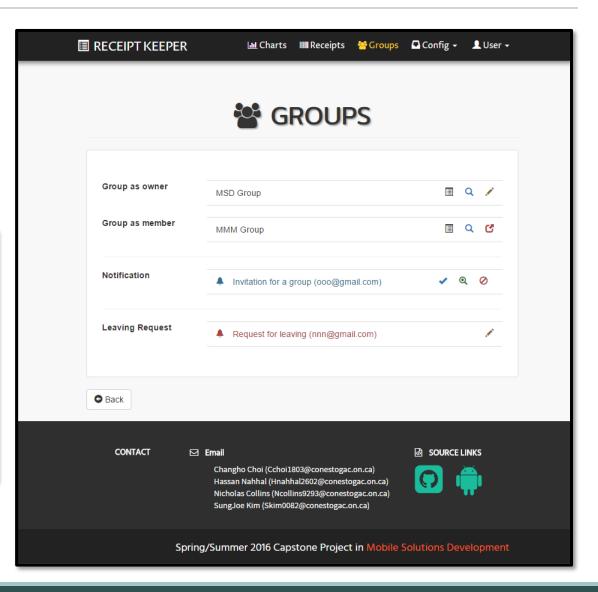




- · create group
- works in group
- invite member
- store & share

Member list	nnn@gmail.com
	kkk@gmail.com
Invite member	Email
Invitation list	yyy@gmail.com sss@gmail.com
Leaving Group	nnn@gmail.com (request of leaving group





#### **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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