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

1 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

A Problem



- forget stuff bought
- tracking all of this is a handful



- strict budget
- alternative is not ultimate



- 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















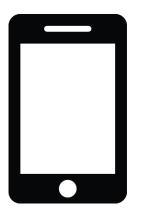


स्य Work Process





scan receipt



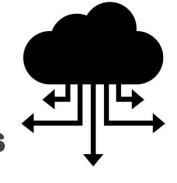
output data



save in database



track expenses



view anywhere



過Technologies

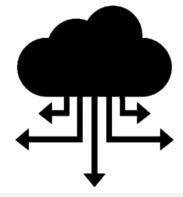














DAAS









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

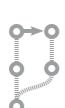
communication

Slack and regular meetings



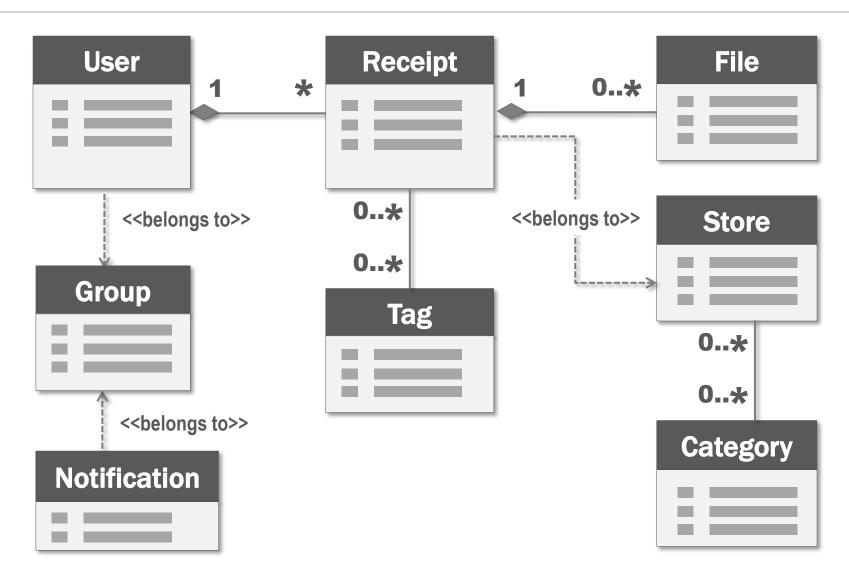






A Domain Model



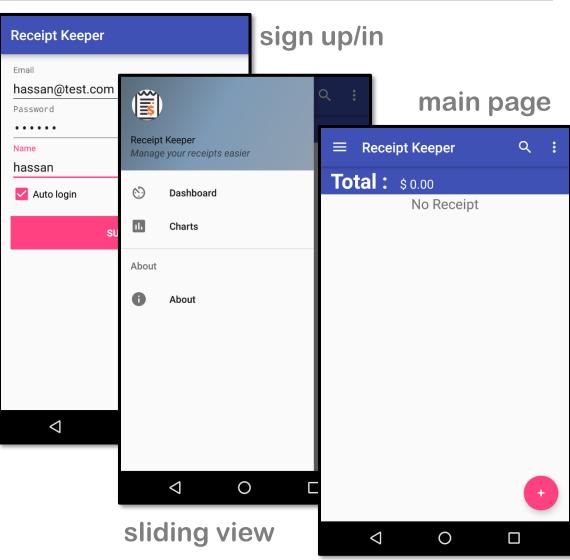




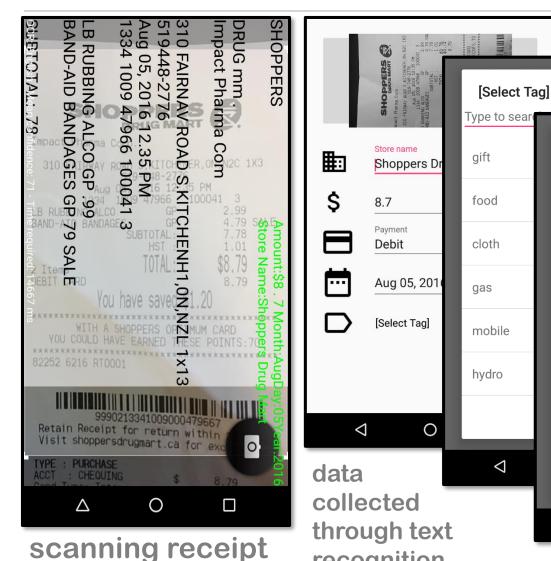
[] Features (mobile app)











recognition

add tag select category save receipt Select Item [Select Category] Shoppers Drug Mart \$ 8.7 Payment Communication Debit Aug 05, 2016 cloth, gas, mobile Grocery **Gas Station** scription for stomach ache 0

None

Grocerv

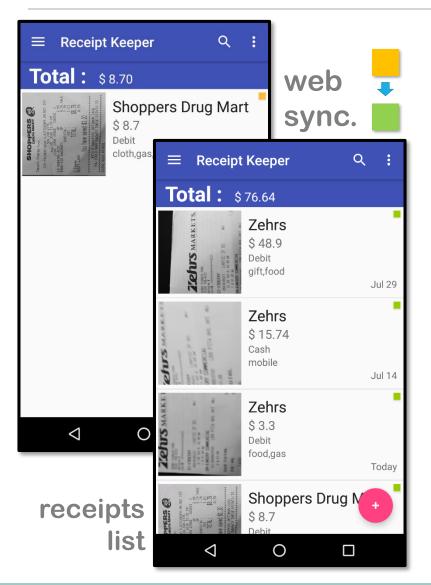
Fastfood

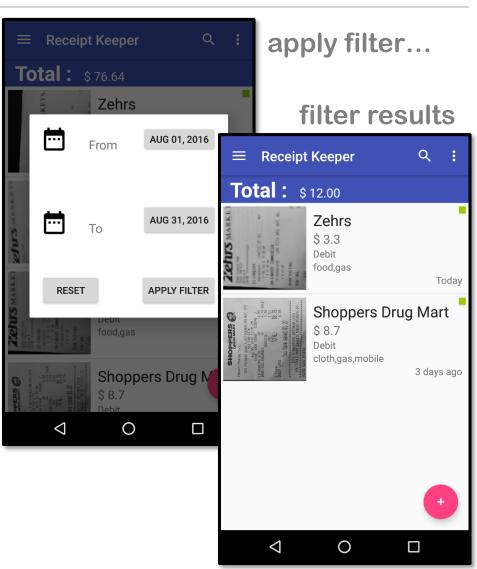
Electronics

Books

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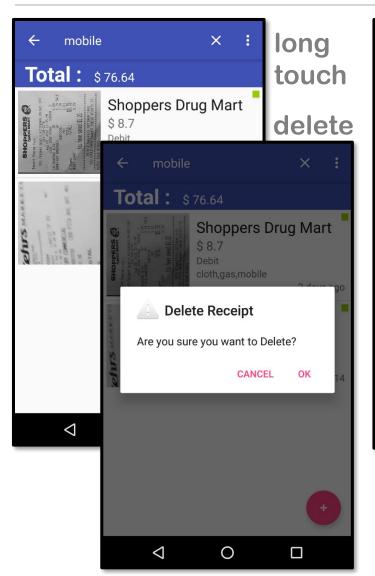


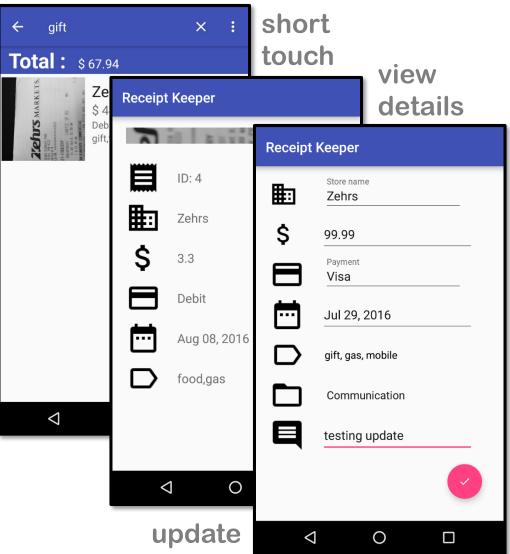








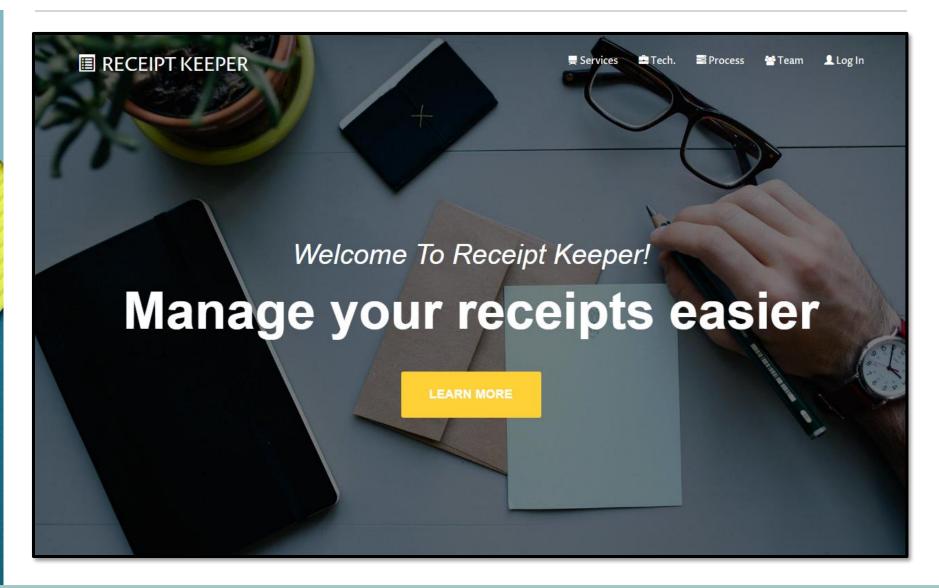






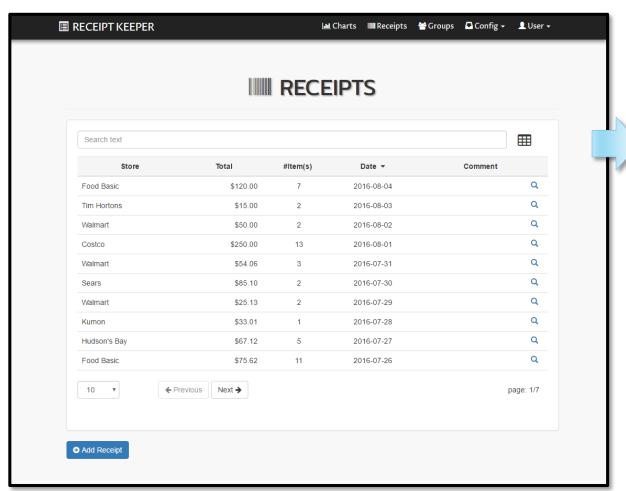
Features (web app)



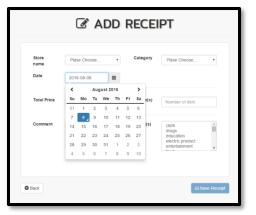








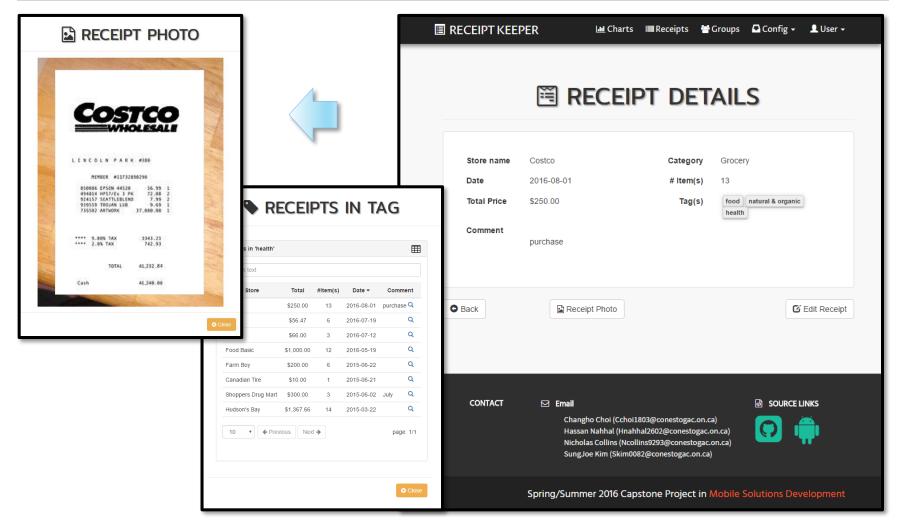




search/ sort/ pagination/ excel export



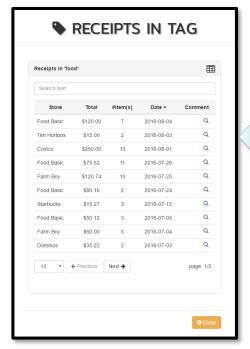


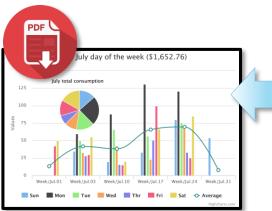


receipt photo/ extract receipts from tag







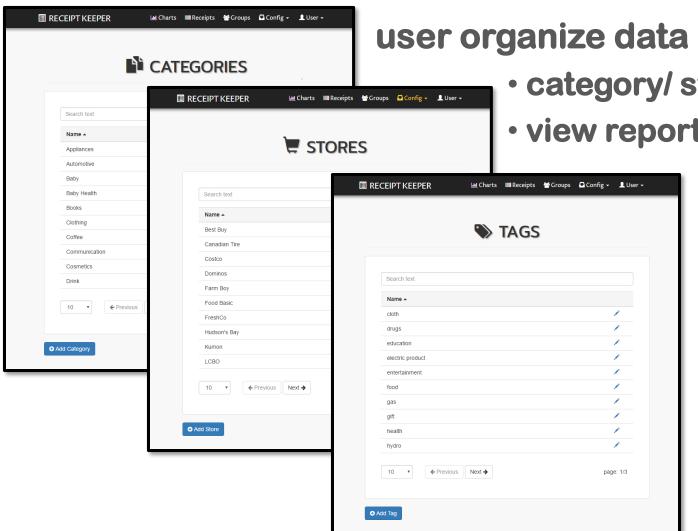














category/ store/ tag

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	



■ RECEIPT KEEPER	<u>ऻॴ</u> Charts Ⅲ Receipts 誉 Groups	s
Series GROUPS		
Group as owner Group as member	MSD Group	
Notification	♣ Invitation for a group (ooo@gmail.com)	√ Q Ø
Leaving Request	Request for leaving (nnn@gmail.com)	
◆ Back		
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Spring/Summer 2016 Capstone Project in Mobile Solutions Development		



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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