

Final Presentation

Receipt\$ave

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What is Receipt\$ave?

A mobile app that allows you to save grocery receipts and updates you when your items are expired. The app also lets you search for recipes that can be made from the items you currently have.



Sign-in page



ReceiptSave

Receipt-save
Create New Account

Full Name

Email

Password

Phone

REGISTER

Already Registered ? Login Here

- Create Account

ReceiptSave

Receipt-save
Create New Account

Email

Password

LOGIN

New Here ? Create Account
Forgot Password ?

- Sign-in

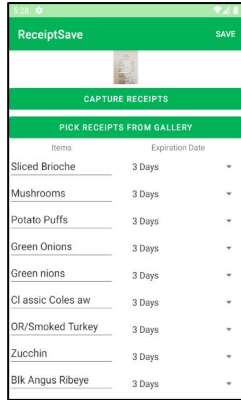
implementation

- Java, xml, and firebase for authentication
- User can register or sign or reset password accordingly

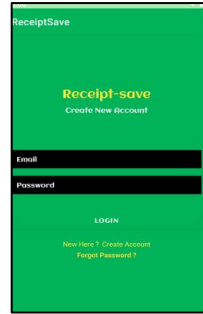
Future work

- Working on budget implementation

Scan



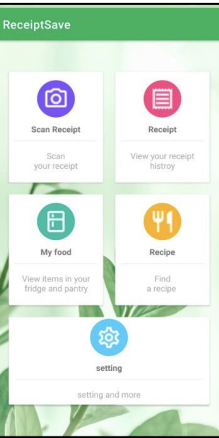
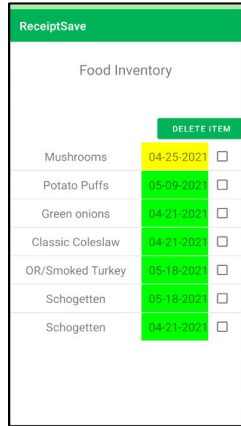
Sign In



Receipt Gallery

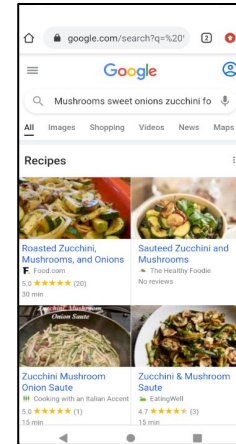
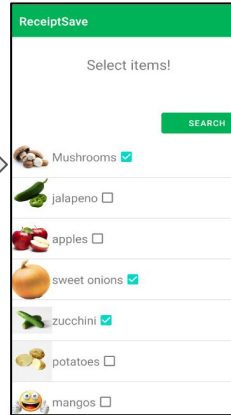


Food History

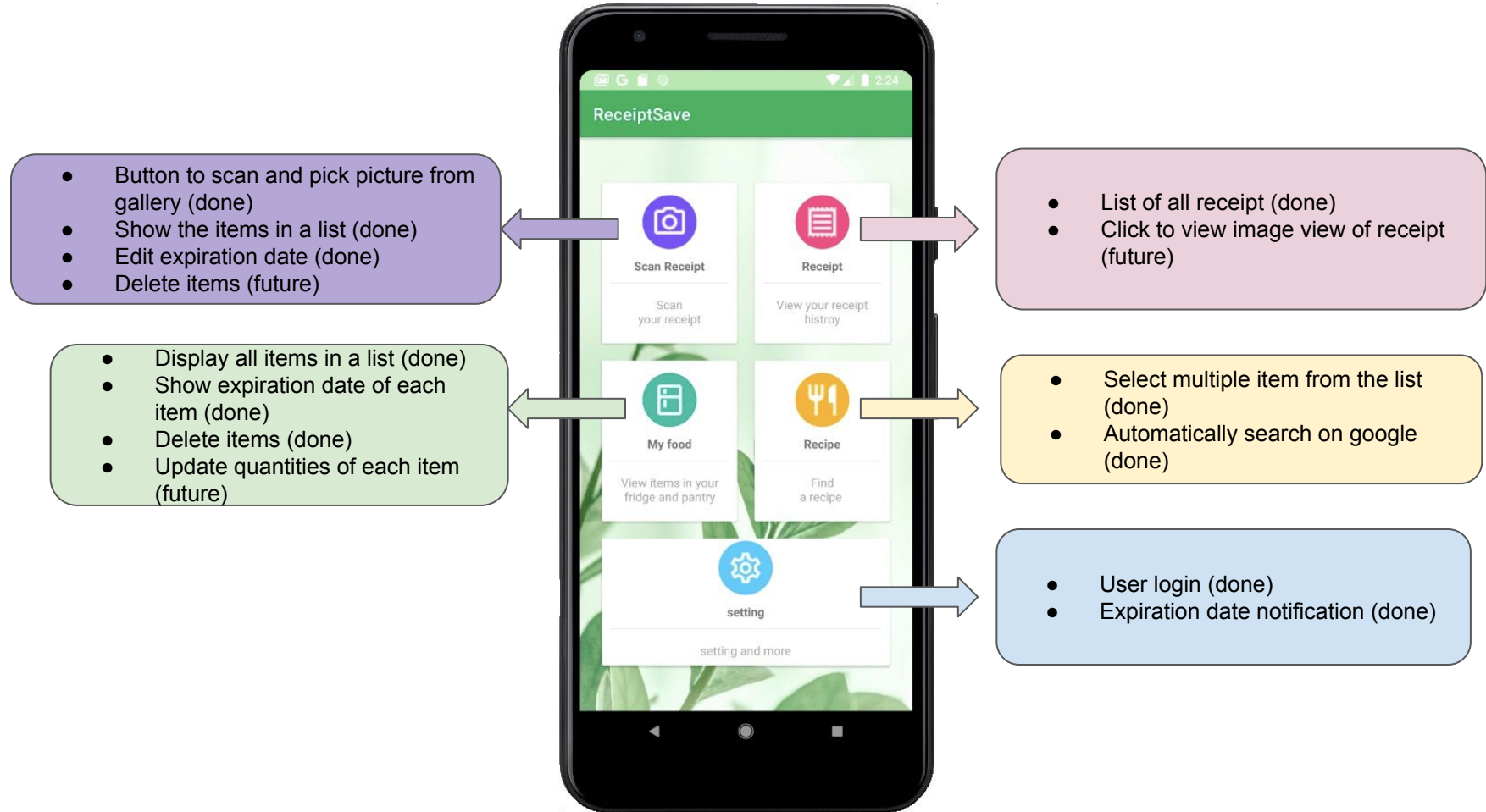


Main Menu

Recipe Search

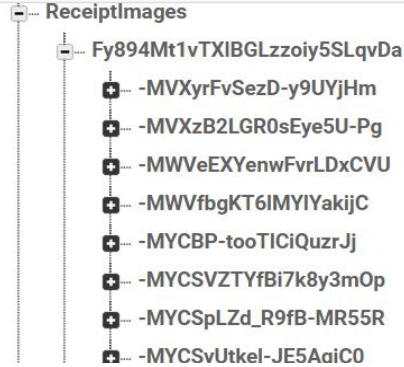


UI Design & Implementation





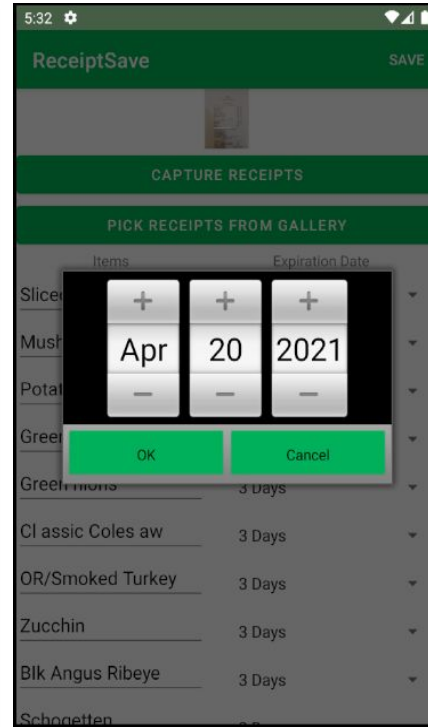
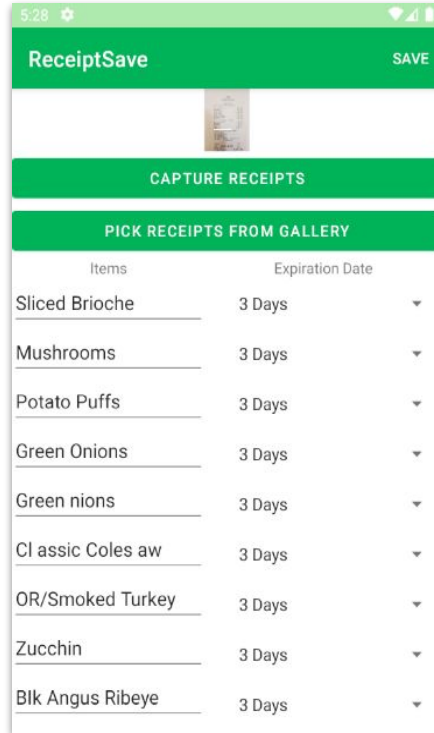
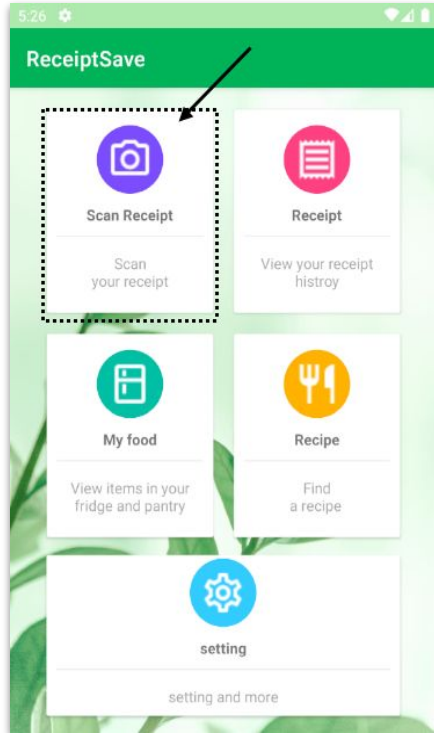
Store to DB



Send to UI



Scanning Receipts

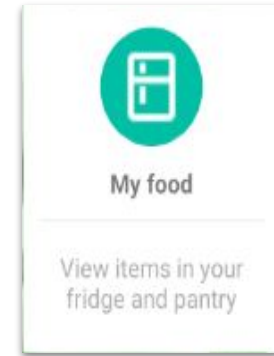
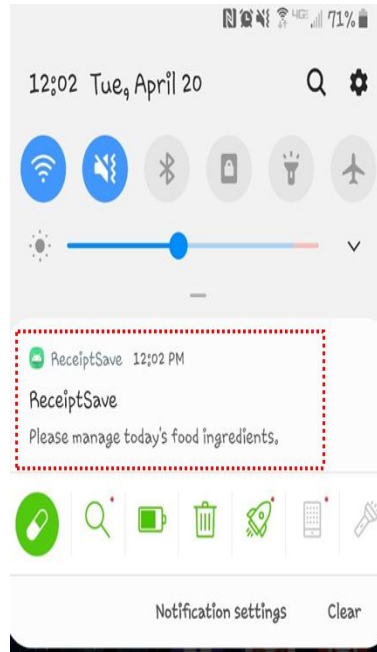


- Implement functionality using Google ML Kit
- Use food items and select EXP. date on the dropdown

Sending Notifications



Notification	Status	Platform	Start / Send
Receipt Save It's from cloud messaging. Chec...	Scheduled		Apr 13, 2021 8:00 PM
ReceiptSave Please manage today's food ingr...	Scheduled		Apr 20, 2021 12:00 PM
1/10 Recurring notifications			

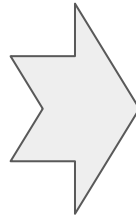


- Implement functionality using FCM
- Give notification on specific time



Manage Food Expiration Dates

Item	Expiration Date	Status	Action
zucchini	04-13-2021	Red	<input checked="" type="checkbox"/>
apples	04-20-2021	Red	<input checked="" type="checkbox"/>
Classic Coleslaw	04-12-2021	Red	<input checked="" type="checkbox"/>
Sliced Brioche	04-25-2021	Yellow	<input checked="" type="checkbox"/>
Mushrooms	04-25-2021	Yellow	<input type="checkbox"/>
Potato Puffs	05-09-2021	Green	<input type="checkbox"/>
Green onions	04-21-2021	Green	<input type="checkbox"/>
Classic Coleslaw	04-21-2021	Green	<input type="checkbox"/>
OR/Smoked Turkey	05-18-2021	Green	<input type="checkbox"/>
Schogetten	05-18-2021	Green	<input type="checkbox"/>

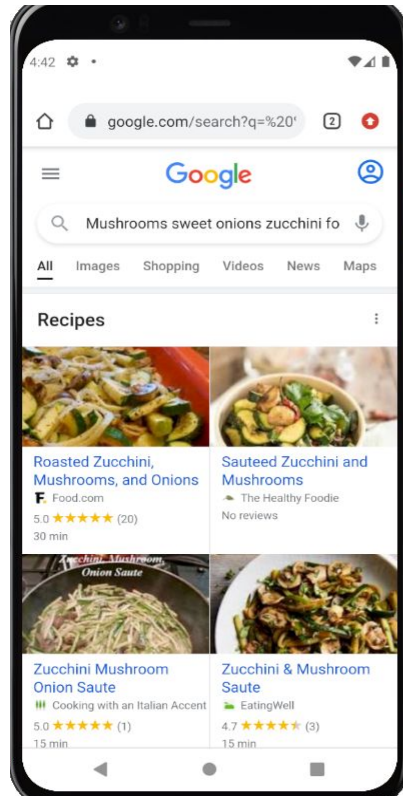
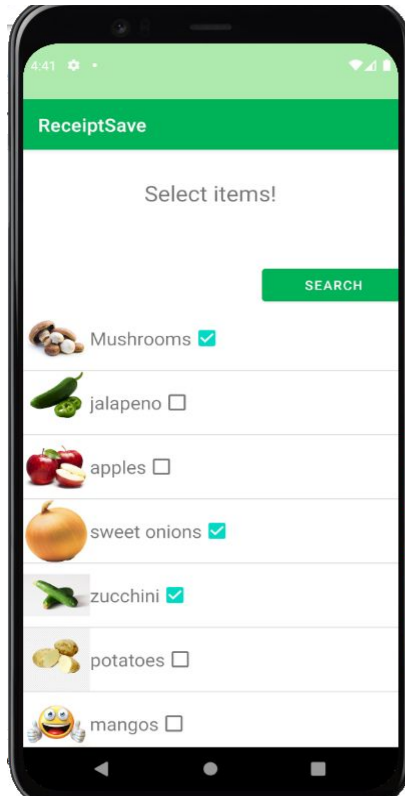


Item	Expiration Date	Status	Action
Mushrooms	04-25-2021	Yellow	<input type="checkbox"/>
Potato Puffs	05-09-2021	Green	<input type="checkbox"/>
Green onions	04-21-2021	Green	<input type="checkbox"/>
Classic Coleslaw	04-21-2021	Green	<input type="checkbox"/>
OR/Smoked Turkey	05-18-2021	Green	<input type="checkbox"/>
Schogetten	05-18-2021	Green	<input type="checkbox"/>
Schogetten	04-21-2021	Green	<input type="checkbox"/>

- **Red** - Past the expiration date
- **Yellow** - Close to expiration date
- **Green** - Expiration date more than week



Recipe Search and Recommendations



Future work

- The items need to be sorted by the expiration date.
- Add more images
- Make the UI look good.



Future Work

- Create a page that allows users to keep track of the total monthly spending and set a target of how much they would like to spend in a month and the application shows users how much of that has been used and how much is remaining.
- On the food history page, items will be sorted by the expiration date so that users can understand and visualize easier.
- After the conversion of a receipt image to text, the user can delete unnecessary items.
- Deploy to the google play store for users to use.

Group 13 - Final Demo

Thank you for watching our Final Presentation!