

Final Proposal - Presentation

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Problem

- Reluctant to eat
- Financially distressed
- Warranty period





What is Receipt\$ave?



Always running out of money for groceries? Never know what meal you can cook?

A mobile app that allows you to save receipts and also recommends simple recipes that can be made from the items you currently have

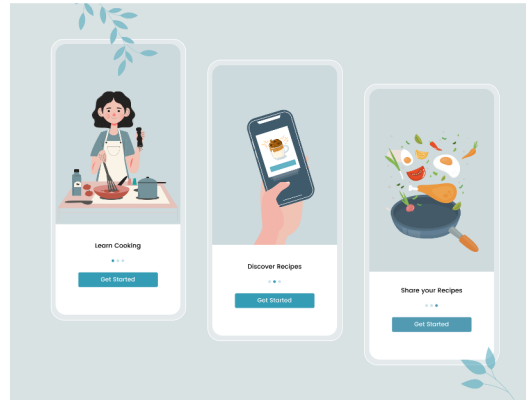


Objective

Document the receipts

Berghöte Grosse Scheidegg 8818 Grindelwald Familie R. Müller			
Rech.Nr.:	4572	80.07.2007/13:29:17	
Bar:		fisch	7/01
2xLatte Macchiato	a	4.50 CHF	9.00
1xGlock	a	5.00 CHF	5.00
1xSchweinschnitzel	a	22.00 CHF	22.00
1xChässpatzli	a	18.50 CHF	18.50
Total:		CHF	54.50
Incl. 7.6% MwSt	54.50 CHF		6.85
Entspricht in Euro	36.33	EUR	
Es bediente Sie: Ursula			
MwSt Nr.: 430 234			
Tel.: 033 853 67 18			
Fax: 033 853 67 19			
E-mail: grossescheidegg@tuewin.ch			

access to recipes



control your spending



Background

< Key Technology >



hanonets.com/blog/ocr-with-tesseract/

< Related Work >



Expensify: Receipts & Expenses

Travel and expense management

Expensify, Inc.

Designed for iPad

★★★★★ 4.7 • 92.1K Ratings

Free • Offers In-App Purchases



Forks Plant-Based Recipes

Forks Over Knives Lifestyle

Everyone

This app is compatible with your device.

Add to Wishlist

play.google.com

What's Different from Existing Apps

- Manage food items
- Show possible cooking recipes using the user's food inventory
- Reduce food waste and prevent unnecessary consumption

Functionality



- Scan the receipt.
- Save to Database.
- Recipe Recommendation.
- Expiration date notification.
- Management monthly expenditure.
- Saving receipt image
- UI is neat and easy to use.

Design

Schedule:

11/25/2020

BACKGROUND ANALYSIS

12/5/2020

DEVELOP FINAL
PROPOSAL

1/16/2021

DESIGN DATABASE
SCHEMA

2/2/2021

DEVELOP BACKEND API

2/16/2021

DISPLAY GROCERY
ITEMS & SPENDING

3/2/2021

COOKING RECIPE &
SIGN-IN FUNCTION

3/16/2021

PICTURE UPLOAD &
DEVELOP OCR

3/30/2021

EXPIRATION
NOTIFICATION

4/27/2021

UX & UI TESTING

5/2/2021

DOCUMENT

Deliverables:

- Design document: Technical information for software and database development.
- User documentation: How to use the software.
- Database scheme: Detailed schematics on the database system that is used.
- Code: Mobile UI code and backend Java code.
- Final Report

Thank you for watching our
presentation!