

Release Summary

Receipt Mobile App; Awesome Receipt App; 6/4/2024

Key User Stories and Acceptance Criteria:

- “As a user, I want to create an account so that I can use the receipt scanning app”
 - Acceptance Criteria:
 - Given: the app is opened and the user does not have an account
 - When: the “Sign Up” button is pressed
 - Then: the user can make and save an account
- “As a user, I want to be able to take a picture of a receipt and have the text recognized”
 - Acceptance Criteria:
 - Given: a well lit and clear receipt
 - When: a user uses the camera feature to take a picture of the receipt
 - Then: all visible text on the receipt is provided
- “As a user, I want to be able to select a picture of a receipt from my phone and have the text recognized”
 - Acceptance Criteria:
 - Given: a clear image of a receipt is stored in the camera roll
 - When: a user selects the camera roll option and selects the image
 - Then: all visible text on the receipt is provided
- “As a user, I want to divide a receipt amongst different people.”
 - Acceptance Criteria:
 - Given: a receipt
 - When: a receipt is submitted
 - Then: functionality to divide receipt items amongst different people
- “As a user, I want to create and save contacts for assigning receipt costs”
 - Acceptance Criteria:
 - Given: a person the user wants to save
 - When: creating a contact
 - Then: contact should be saved and can be retrieved at a later time
- “As a user, I want to save contacts as a group for future use”
 - Acceptance Criteria:
 - Given: some number of saved contacts
 - When: creating a group
 - Then: group should be saved and can be retrieved at a later time
- “As a user, I want to be able to scan McDonald’s receipts”

- Acceptance Criteria:
 - Given: a group of saved people and a well lit and clear McDonald's Receipt
 - When: McDonalds Receipt is Scanned
 - Then: a list of item names and prices are displayed
- “As a user, I want to be able to scan any brand’s receipt”
 - Acceptance Criteria”
 - Given: a group of saved people and image with any receipt in it
 - When: after taking a picture/confirming a selection
 - Then: a list of item names and prices are displayed
- “As a user, I want to be able to scan a receipt from Trader Joe’s”
 - Acceptance Criteria:
 - Given: an image of a Trader Joe’s receipt
 - When: after taking a picture of the receipt
 - Then: displays list of the items names and prices scanned from the receipt
- “As a user, I want final cost for each member to be displayed correctly”
 - Acceptance Criteria:
 - Given: a group of users with their associated items and prices
 - When: splitting their costs based on which users selected which items
 - Then: the costs associated with each user is displayed based on the items they choose

Known Problems: List the major bugs (you can reference your Test Report), omissions (missing functionality, edge cases that are not handled), design shortcuts (e.g. hard coded data), etc.

- Generic Parser doesn’t work on different versions of some receipts.
- Inputting Things that aren’t numbers into the price category on the verification screen will break the memberSum functionality.
- Duplicate items in the verification screen will cause the items be detected as the same because they are dictionary keys that overlap
- Forgot password doesn’t work
- There is very little error checking in input fields. You can enter an invalid email address or a weak password for example.
- Trader Joe’s Receipt Parser Bug: Handles multiple items on the receipt with the same name incorrectly. It will overwrite the price associated with the item to the lowest occurring duplicate item price.

- All Receipt Parsers: Any of the item parsers will have potentially incorrect information/item names/item prices/missing items/incorrect items as a result of OCR misreading or small issues with the OCR.
- Must include yourself as a contact and inside the group in order for you to be included in the division.
- Doesn't handle error when a non-receipt image is taken/selected
- Auto capture will not wait for the image to be in focus
- When selecting an image from the gallery, it will be automatically cropped, which requires the user to select 'Crop & Rotate' and then 'No crop' in order to undo the crop, which is sometimes required for selected Costco receipts with blue sidewalls.
- Duplicate items on the verification screen are all selected at the same time
- While selecting items for the group, if the user decides to modify the group members, they will need to reselect the group on the process image screen

Product Backlog: Provide a list of the high priority user stories and bug fixes that can serve as a guide for a follow-on project.

- "As a user, I want the app to tell my team members how much they owe me"
- "As a user, I want to be able to modify the members in an individual receipt so that I don't need an exact group made every time"
- "As a user, I don't want to have to make a contact for myself to include in groups"
- "As a user, I want a button to automatically assign all items to every member"