

## **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"