Test Plan and Report

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

- User Story: "As a user, I want to create an account so that I can use the receipt scanning app"
  - Scenario: Create Account (Pass)
    - Start Awesome Receipt App; select "Sign Up"; type
    - YOUR NAME = <name>
    - EMAIL = <email>
    - PASSWORD = <password>
    - Press Create
    - User should now be on the Home screen
- User Story: "As a user, I want to be able to take a picture of a receipt and have the text recognized"
  - Scenario: Scan a receipt with the in app camera (Pass)
    - From Home screen; select 'Process Image'
    - Hold the device over a legible receipt (the photo will be taken automatically if auto capture is enabled, if not tap the white picture button)
    - View the picture of the receipt, confirm that it is clear, and select 'Done'
    - The items and prices should be displayed on screen
- User Story: "As a user, I want to be able to select a picture of a receipt from my phone and have the text recognized"
  - Scenario: select an Image from the phone's gallery (Pass)
    - Select "Process Image"; select the gallery button; select an image of a receipt
    - The user should be able to see a screen with the prices and names taken from the receipt image
- User Story: "As a user, I want to divide a receipt amongst different people."
  - Scenario: Divide receipt items among different people (Pass):
    - Select "Process Image"
    - take a picture of a receipt
    - Screen displays list of scanned items names and prices
    - Click group button
    - Choose a group
    - Buttons are then display on the screen that will equal the amount of individuals within the group

- ■ Buttons are labeled as different peoples names that are from the selected group
- ■ Select one of the buttons
- ■ Then select what items that individual has bought
- User Story: "As a user, I want to create and save contacts for assigning receipt costs"
  - Scenario (Pass)
    - ■ Select the Contacts tab at the bottom right of the screen
    - ■ Select the Plus icon on the bottom right
    - ■ Enter a name
    - ■ Enter an email address
    - ■ Select the Save icon on the bottom right
- User Story: "As a user, I want to save contacts as a group for future use"
  - Scenario (Pass)
    - ■ Select the Groups tab at the bottom center of the screen
    - ■ Select the Plus icon on the bottom right
    - ■ Enter a name
    - ■ Under "Attached Contacts", select Manage
    - ■ Select a Contact you wish to add to this group
    - ■ Select Close
    - ■ Select the Save icon on the bottom right
- User Story: "As a user, I want to be able to scan McDonald's receipts"
  - Scenario: Scan McDonalds Receipt (Pass)
    - ■ Select 'process image'; take an image of a McDonald's Receipt
    - ■ User should see a screen with a list of item names and their associated prices as what is on the McDonald's Receipt
- User Story: "As a user, I want to be able to scan any
  - Scenario take any receipt and scan it (Fail):
    - ■ Starting from homescreen select your group
    - ■ Click on "Process Image"
    - ■ Take a photo or select from gallery
    - ■ Click Done
    - ■ A message is displayed informing you to crop the image by aligning the top with the first item and bottom with the total.
    - ■ Click the checkmark
- User Story: "As a user, I want to be able to scan a receipt from Trader Joe's"
  - Scenario: Scan Trader Joe's Receipt (Pass)
    - ■ Select 'process image'; take an image of a Trader Joe's Receipt
    - ■ User should see a screen with a correct list of item names and their associated prices as what is on the Trader Joe's Receipt

- User Story "As a user, I want final cost for each member to be displayed correctly"
    - Scenario: Show the final cost for each member (Pass):
        - Starting from the Verification screen after scanning a receipt
        - Submit the correct item information in the text boxes
        - Click Group button
        - Click your group
        - Buttons should show up for each user in the group
        - For each user button, click their respective button then click through the items that are theirs
        - The final price is under their name's button

Unit Tests:
AwesomeReceiptAppRepo/src/parsers/ctests.ts
AwesomeReceiptAppRepo/src/screens/TestOutput.ts
AwesomeReceiptAppRepo/src/screens/ProcessImageScreen.tsx

These two files contain exported functions testGenMemberSums(), testGetCountOfItems(), and testChecksum() which are run inside of the ProcessImage function. They are not truly automated as we do not have a script for writing the test functions, as they are run automatically on an image processing instance. The calls to those functions are commented out on the release version of the app on lines 46-48.