Sprint 3 Plan; Receipt Mobile App; Awesome Receipt App; 5/21/24; V0.3; 5/8/24

Goal: Build a mobile app capable of assigning items to group members, and returning the subdivided cost of the items on the receipt from Costo, Safeway, or Trader Joe's.

Task Listing:

Sprint 3 5/7:
- "As a user, I want to assign different people lines on a receipt."[13]
  - Task 1: Use the dictionary produced by OCR to determine items {key(item name): value(item price)} (30 minutes)
  - Task 2: Assign items to different names of the group (1 hour)
  - Task 3: Divide the price of each item by however many people are holding the same item (1 hour)
  - Task 4: Total the price for each person (1 hour)
- "As a user, I want to be able to scan McDonald's receipts [13]
  - Task 1: Parse response grabbed from OCR (30 mins)
  - Task 2: Build dictionary from OCR output (2 hours)
- "As a user, I want my groups to be saved for future use" [8]
  - Task 1:Learn about react natives storage that's available (1 hour)
  - Task 2:Implement an AsyncStorage (2 hours)
  - Task 3:Modify the Define Groups screen to add functions that load and save groups (2 hours)
- "As a user, I want to be able to scan any brand's receipt.[21]
  - Task 1: Display a little toast for the image to follow instructions
  - (30 mins)
  - Task 2: Have the user re-crop the prices only on the prices(30 mins)
  - Task 3: Parse response grabbed from MLkit (4 hrs)
  - Task 4: Organize Parsed items into dictionary (2 hrs)
  - Task 5: Modify the ProcessingImageScreen so that ProcessGeneric returns a dictionary(30 mins)
- "As a user, I want to be able to scan a receipt from Trader Joe's" [13]
  - Task 1: Parse response grabbed from OCR (30 mins)
  - Task 2: Organize parsed items into dictionary (30 mins)
  - Task 3: Remove unnecessary items from dictionary (3 hours)

Team roles:
Brendan: Developer
David: Developer
Darren: Product Owner, Developer
Jose: Developer
Thomas: Developer, Scrum Master

Initial Task Assignment:
Brendan: "As a user, I want to be able to scan a receipt from Trader Joe's" [13]
- Task 1: Parse response grabbed from OCR (30 mins)
- Task 2: Organize parsed items into dictionary (30 mins)
- Task 3: Remove unnecessary items from dictionary (3 hours)

David: "As a user, I want to assign different people lines on a receipt."
- Task 1: Map line items to their price based on y-axis (4 hours)
- Task 2: Work on UI (4 hours)

Darren: "As a user, I want the app to recognize receipts from different stores"[21] (maybe Costco first?)
- Task 1: Display a little toast for the image to follow instructions
- (30 mins)
- Task 2: Have the user re-crop the prices only on the prices(30 mins)
- Task 3: Parse response grabbed from MLkit (4 hrs)
- Task 4: Organize Parsed items into dictionary (2 hrs)
- Task 5: Modify the ProcessingImageScreen so that ProcessGeneric returns a dictionary(30 mins)

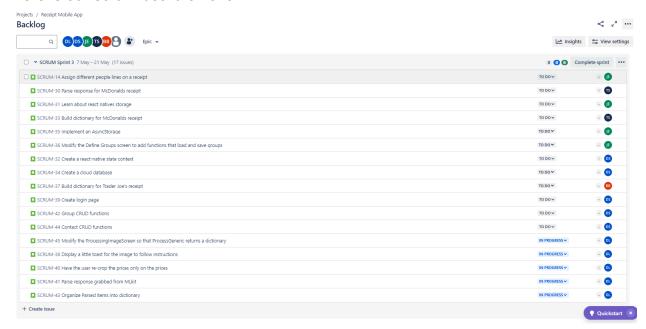Jose: "As a user, I want my groups to be saved for future use" [8]
- Task 1:Learn about react natives storage that's available (1 hour)
- Task 2:Implement an AsyncStorage (2 hours)
- Task 3:Modify the Define Groups screen to add functions that load and save groups (2 hours)

Thomas: "As a user, I want to be able to scan McDonald's receipts [13]
- Task 1: Parse response grabbed from OCR (30 mins)
- Task 2: Build dictionary from OCR output (2 hours)

Initial Scrum Board:

Here is our scrum board on Jira

Backlog

Scrum Times:
TA Meeting Time: Mondays 10:00AM
Weekly Meeting Times: M/W/F 11:00AM