Template: https://drive.google.com/file/d/1nMUD5rQnLaPcJS1O2J3DY3U7D3w0wHr4/view

Sprint 2 Plan; Receipt Mobile App; Awesome Receipt App; 5/7/24; V0.2; 4/24/24

Goal: Build a mobile app capable of accepting an image of a receipt and return the contents of the receipt as text.

Task Listing:

Sprint 2 4/24:

- "As a user, I want the app to recognize receipts from different stores"[21] (maybe Costco first?)
    - Task 1: Recognition of certain store receipt (2 hours)
    - Task 2: Display which store was determined (30 minutes)
    - Task 3: Build library of stores that are to be recognized (3 hours)
- "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 have high accuracy when scanning receipts[21]"
    - Task 0: Integrate an in-app scanner(3 hours)
    - Task 1: Develop algorithm for processing receipt scanned with some form of error checking (2 hours)
    - Task 2: Implement algorithm (30 minutes)
    - Task 3: Design means of rectifying error in scan by either prompting a new scan, or reprocessing the information (30 minutes)
    - Task 4: Test for sufficient accuracy (2 hours)
- "As a user, I want to create and save people names for assigning receipt costs"[13]
    - Task 1: Adding a save functionality (1 hour)
    - Task 2: Display saved names (1 hour)
    - Task 3: Redesigning "Define Groups" menu (2 hours)
- "As a User, I want the application to process pictures quickly" [8]
    - Task 1: Optimize implementation of MLkit and algorithm for parsing OCR output (2 hours)

- Task 2: Optimize math done to determine total outputs (45 minutes)

Team roles:

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

Initial Task Assignment:

Brendan: "As a User, I want the application to process pictures quickly" [13]

- Task 1: Optimize implementation of MLkit and algorithm for parsing OCR output (2 hours)
- Task 2: Optimize math done to determine total outputs (45 minutes)

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: Recognition of certain store receipt (10 hours)
- Task 2: Display which store was determined (30 minutes)

"As a user, I want to be able to have high accuracy when scanning receipts[21]"

- Task 0: Integrate an in-app scanner(3 hours)

Jose: "As a user, I want to create and save people names for assigning receipt costs"[13]

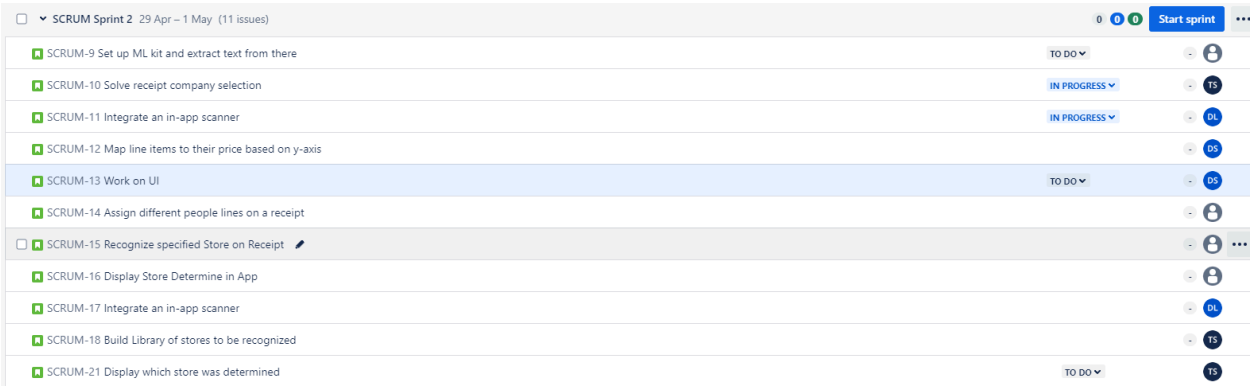
- Task 1: Adding a save functionality (1 hour)
- Task 2: Display saved names (1 hour)
- Task 3: Redesigning "Define Groups" menu (2 hours)

Thomas: "As a user, I want the app to recognize receipts from different stores"[21] (maybe Costco first?)

- Task 1: Recognition of certain store receipt (2 hours)
- Task 2: Display which store was determined (30 minutes)
- Task 3: Build library of stores that are to be recognized (3 hours)

Initial Scrum Board:

Here is our scrum board on Jira



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