Sprint 4 Plan - RetailGo - 11/24/23

Goal: Implement fine-grained access control for different employee roles and recommendations to improve sales. Polish and refactor front and backend components.

Task listing:
- **User Story 1:** As an owner, I want to be able to manage my employees, so that there's no unauthorized access to my store inventory or POS.
    - Implement employee permissions (10)
    - DoD:
        - Owner: Can choose permission level for each employee
        - Owner: Can edit permission level for each employee
        - Owner: Can access all pages and perform CRUD on each page.
        - Employee: Can access all pages that are allowed as per owner (for levels 0, 1, 2)
        - Employee: Cannot access any pages that are not allowed as per owner (For level 0)
        - Employee: Cannot perform edit if not allowed (level 1)
        - Owner: Can add/update/see/delete employees
        - Employee: Can login to the store once the owner has added them.
    - **Total: 10 hours**
- **User Story 2:** As an owner, I want to better understand my store sales and stocks, so that I can improve sales.
    - Create Image Upload (10)
    - Implement content-based filtering recommendation engine (20)
    - DoD:
        - Can see relevant recommendations of products to sell contextualized by my store and products.
    - **Total: 30 hours**

- Additional Tasks:
    - Stripe Frontend (alt pages for Success/Fail) (2)
    - Category auto-labeling (10)
    - Get it ready for multiple stores (store registration needs to be integrated with all phases of using RetailGo) (5)
    - OpenAPI Compliance (2)
    - Complete Employee Backend Integration (5)
    - POS Integration (for loading items) (5)
    - Refactoring (10)
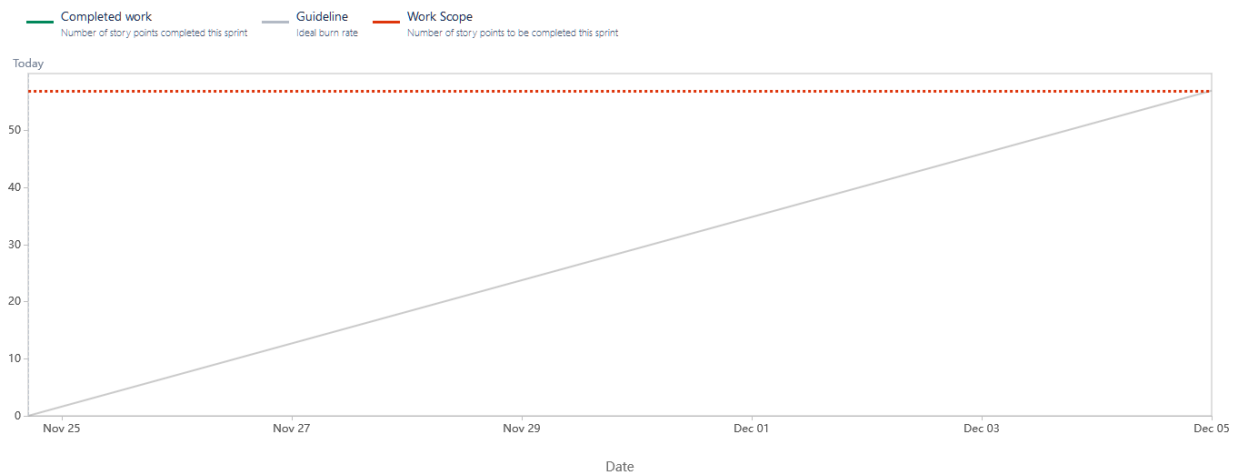   - Unit Testing (5)
    - **Total: 41 hours**

Team Roles:
- David Nguyen -> Developer
- Apramay Singh -> Developer & Product Owner
- Jonathan Michel -> Developer & Scrum Master
- Leo Asatoorian -> Developer
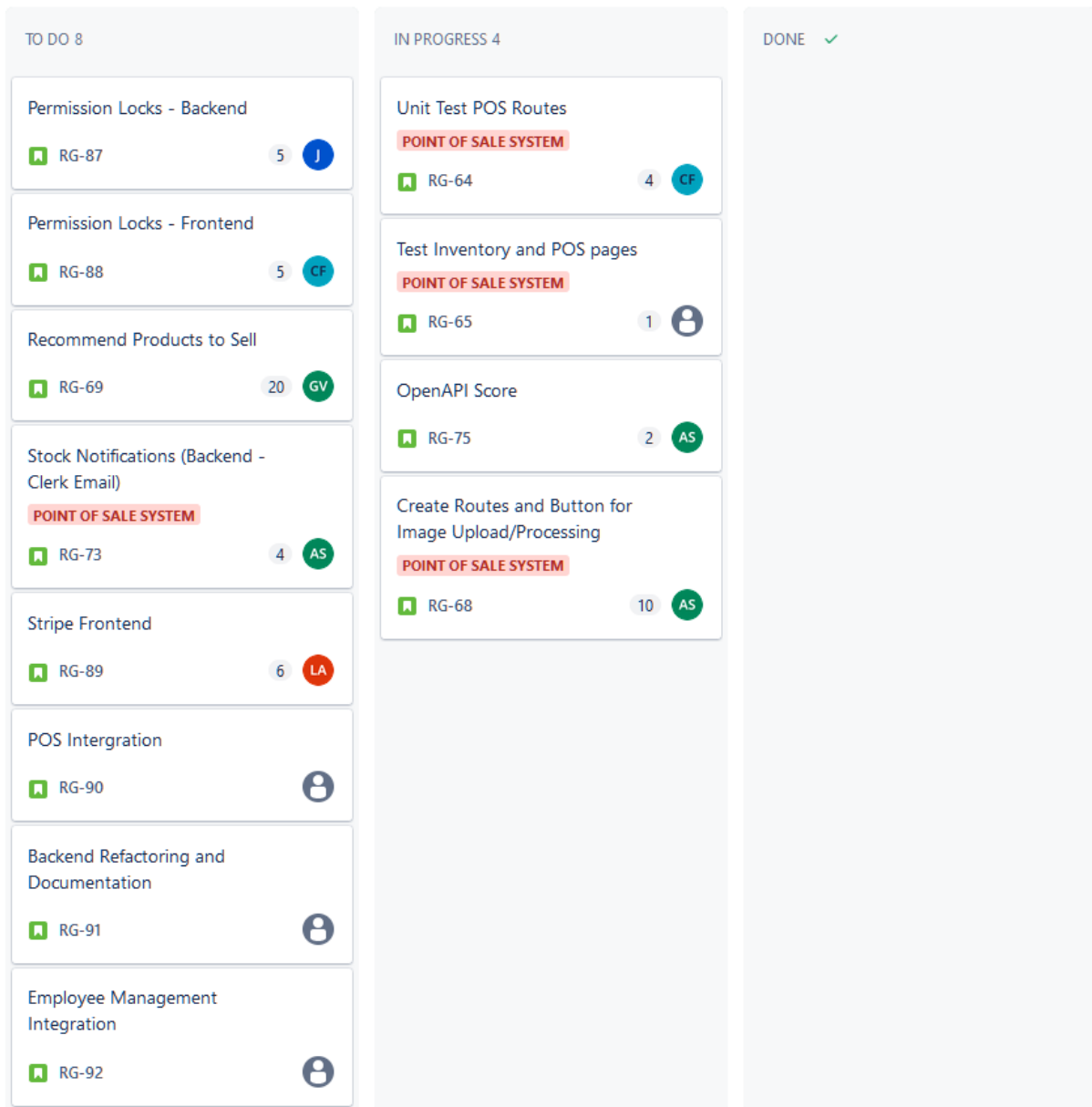- Giridhar Vadhul -> Developer
- Colby Frey -> Developer

Initial Task Assignment:
- David Nguyen - > Frontend refactoring
- Apramay Singh -> Amazon image uploading
- Jonathan Michel -> Backend access control
- Leo Asatoorian ->   New Stripe Frontend
- Giridhar Vadhul -> Recommendation Engine
- Colby Frey -> Frontend access control

Initial burnup chart - Sprint 4

Initial scrum board

TO DO 8	IN PROGRESS 4	DONE ✓

TO DO 8

Permission Locks - Backend
RG-87   5   J

Permission Locks - Frontend
RG-88   5   CF

Recommend Products to Sell
RG-69   20   GV

Stock Notifications (Backend - Clerk Email)
POINT OF SALE SYSTEM
RG-73   4   AS

Stripe Frontend
RG-89   6   LA

POS Intergration
RG-90

Backend Refactoring and Documentation
RG-91

Employee Management Integration
RG-92

IN PROGRESS 4

Unit Test POS Routes
POINT OF SALE SYSTEM
RG-64   4   CF

Test Inventory and POS pages
POINT OF SALE SYSTEM
RG-65   1

OpenAPI Score
RG-75   2   AS

Create Routes and Button for Image Upload/Processing
POINT OF SALE SYSTEM
RG-68   10   AS

Scrum Times:
- Monday -> 4-6pm (including TA meeting)
- Thursday -> 4-5pm
- Saturday -> 4:30-5:30pm

Code Coverage and Standards:

Code Style Standards:
- [Go Standards](#)
- [React Standards](#)