Backlog Grooming Meeting

Attendees:
Brian Cardona, Edima Nyong, Enrique Rodriguez, Matias Casal, Matthew Privat

Start time: 9:00 PM
End time: 9:30 PM

Purpose of Meeting

The team met to refine and update backlog items based on progress from the previous sprint. Since the website and database setup are now in progress, previously blocked user stories (login, OCR, and output features) were revisited and broken down into more detailed and actionable tasks.

Backlog Updates & Refinements

1. OCR Improvements (Matias)

- **Updated to reflect transition from Tesseract to Google Cloud Vision API**
- **Broke down into smaller tasks:**
    - **Set up Google Vision API authentication**
    - **Implement API calls for text extraction**
    - **Improve multi-line ingredient recognition**
    - **Reduce OCR inaccuracies and noise**

Notes:
OCR was previously a major blocker, so improving accuracy is still a high priority.

2. User Accounts & Authentication (Brian + Matthew)

- **Now unblocked due to website and database availability**
- **Refined into:**
    - **Create user account database schema**
    - **Implement user registration**

- **Implement login authentication**
- **Link user accounts to stored scan history**

Notes:
This directly addresses a previously rejected story that required backend setup.

3. User Preferences Feature (New)

- **New user story introduced:**
  - **As a user, I want to set dietary preferences (e.g., vegan, gluten-free) so that scan results are personalized**
- **Tasks added:**
  - **Create preferences table in database**
  - **Add UI for selecting preferences**
  - **Connect preferences to scan output filtering**

4. Scan History Integration (Brian + Matthew)

- **Refined now that database exists:**
  - **Store scan results in database instead of JSON**
  - **Retrieve scan history per user**
  - **Display scan history on website**

5. Output / UI Enhancements (Enrique)

- **Refined based on OCR dependency:**
  - **Display structured ingredient and nutrition data**
  - **Improve readability and layout**
  - **Prepare UI for preference-based filtering**

Notes:
Previously blocked due to OCR, now partially unblocked with new API.

6. Camera + Full Pipeline Integration (Edima)

- **Expanded scope:**
    - **Ensure camera works smoothly on website**
    - **Connect camera → OCR → output pipeline**
    - **Test full scanning workflow end-to-end**

Priority Decisions

- **Highest Priority:**
    1. **Google Vision OCR integration**
    2. **Database syncing and user account system**
- **Medium Priority:**
  3. Scan history storage and retrieval
  4. Camera → OCR pipeline integration
- **Lower Priority:**
  5. UI polish and preference enhancements

Key Discussion Points

- **The team agreed that dependencies must be handled earlier to avoid blocking issues like last sprint**
- **OCR remains critical, but switching to Google Vision is expected to speed up progress**
- **Backend (database + accounts) is now the main focus since it unlocks multiple features**

Outcome

- **Backlog items were clarified and broken into smaller tasks**
- **Previously blocked features are now actionable**

- **New feature (user preferences) was added and prioritized**