

Version Description Document for Smart Checkout Nexus

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List of New Features

The following features were completed and integrated as part of this milestone delivery. Each feature maps to a functional or non-functional requirement and is represented on the Trello board and wireframes.

Customer Interface Features:

- **R_2 – Item Scanning Functionality:** Enables the scanning of barcode-labeled products.
- **R_3 – Cart Display:** Shows scanned items, subtotal, and quantity.
- **R_4 – Assistance Call Pop-Up:** Allows customers to request help and notifies the attendant.
- **R_5 – Receipt Option Screen:** Offers printed or digital receipt choices after checkout.
- **R_6 – Produce Lookup Feature:** Users can search for produce items by name or type.
- **R_7 – Weight Scale Integration:** Supports accurate pricing for loose produce using real-time weight input.

Attendant Interface Features:

- **R_10 – Attendant Login:** Provides secure access for store attendants.
- **R_11 – Attendant Dashboard:** Displays real-time customer assistance requests and system status.
- **R_12 – Override Functionality:** Allows attendants to correct item or payment issues.
- **R_13 – Assistance Response Screen:** Displays request and response options when a customer triggers a help call.

System and Design Enhancements:

- Architecture diagrams and database schema were finalized.
- Full UI wireframes (9 total) were created and attached to Trello cards for visual reference.
- Integration mapping for third-party systems (SAP, Verifone, Scale, Receipt Printer) is included.

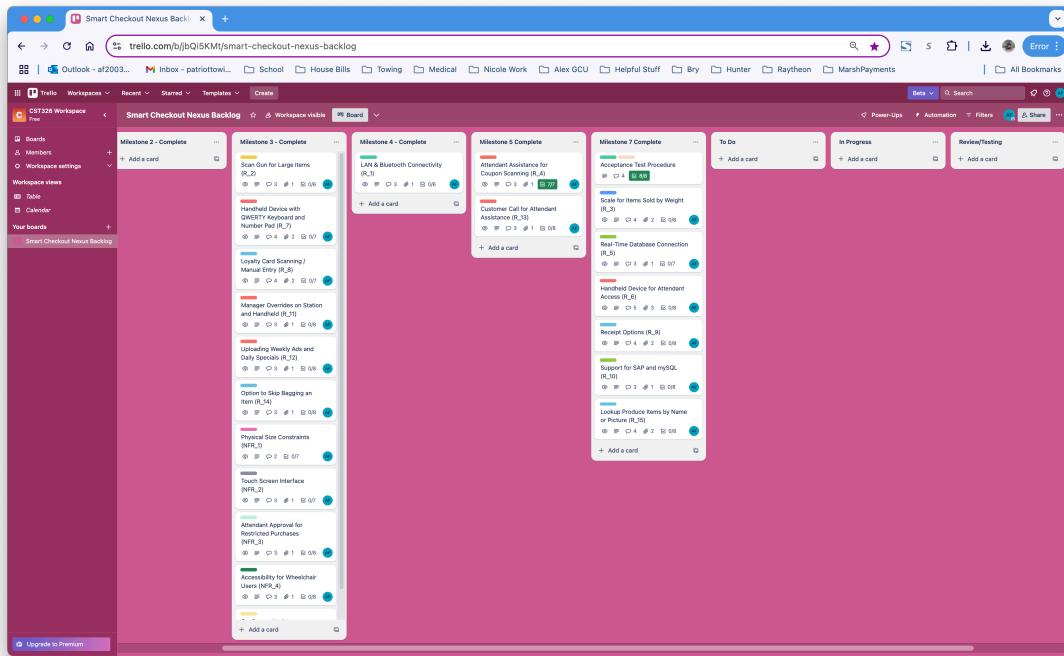


Figure 1 Trello Board – Cards Completed in Milestone 7

Wireframe Examples:

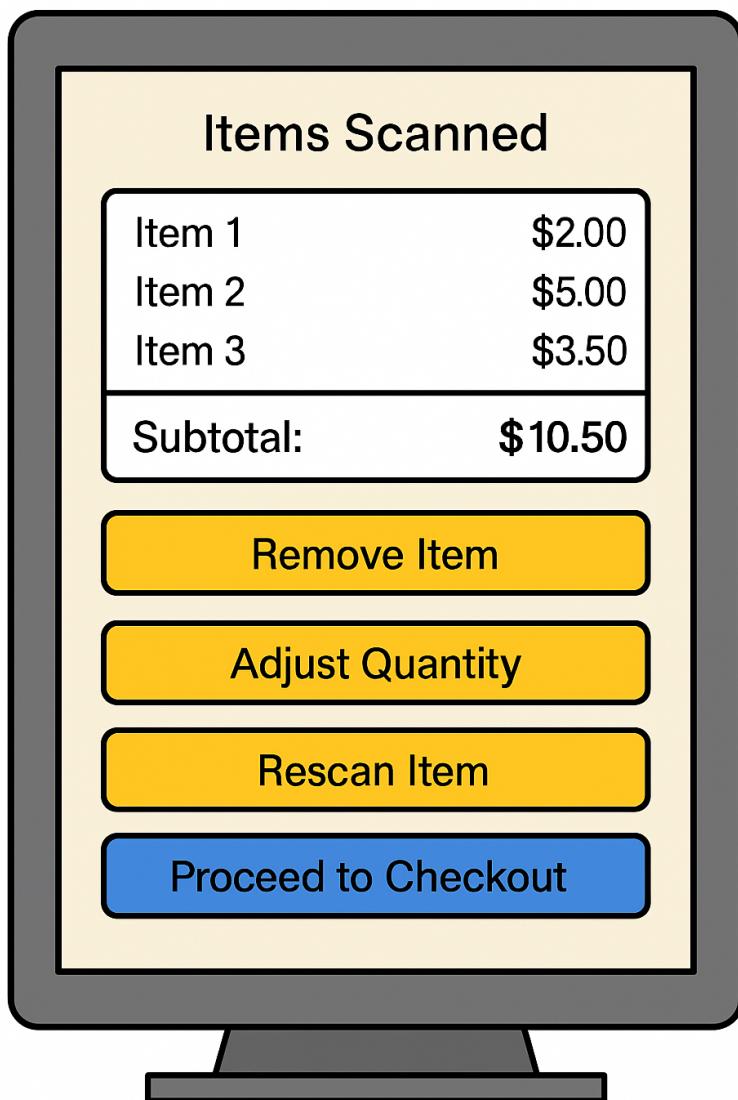


Figure 2 Cart View wireframe showing scanned items, subtotal, and checkout controls (R_3)

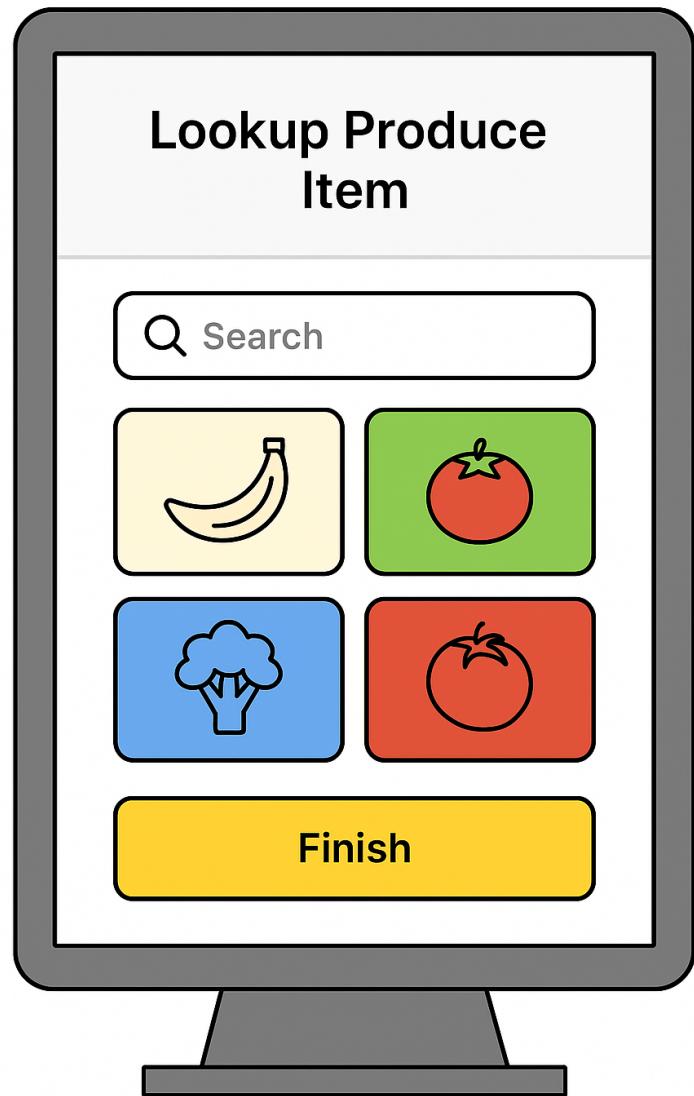


Figure 3 Produce Lookup screen with search and produce icons (R_6, R_15)

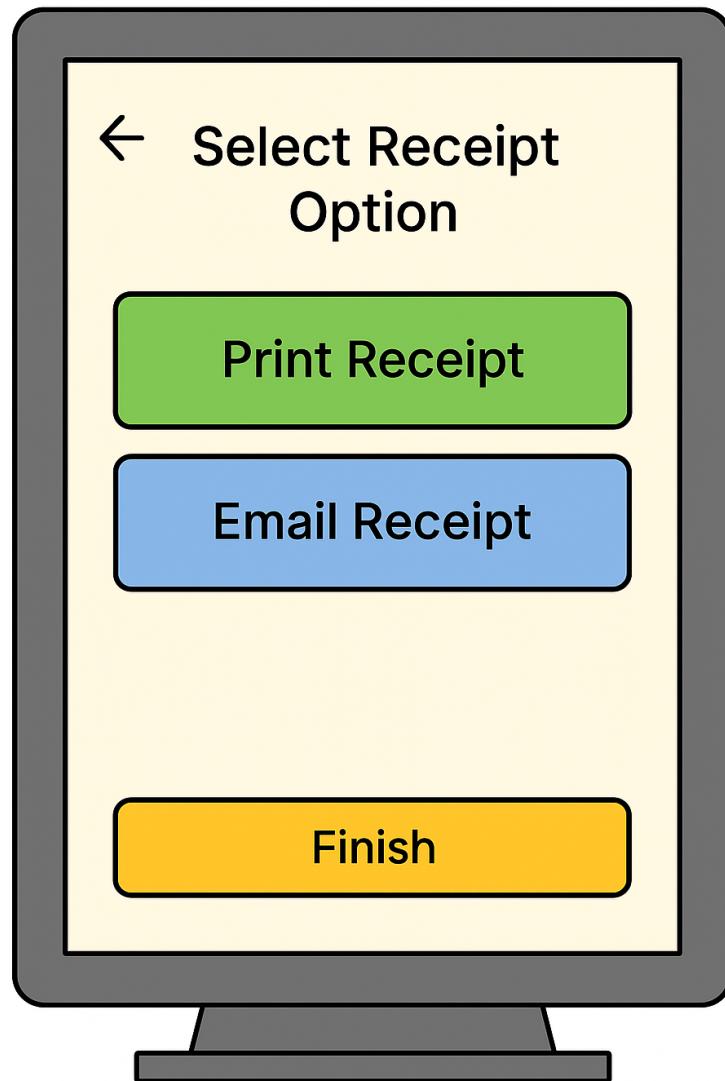


Figure 4 Receipt Option screen showing print, email, and finish actions (R_9)

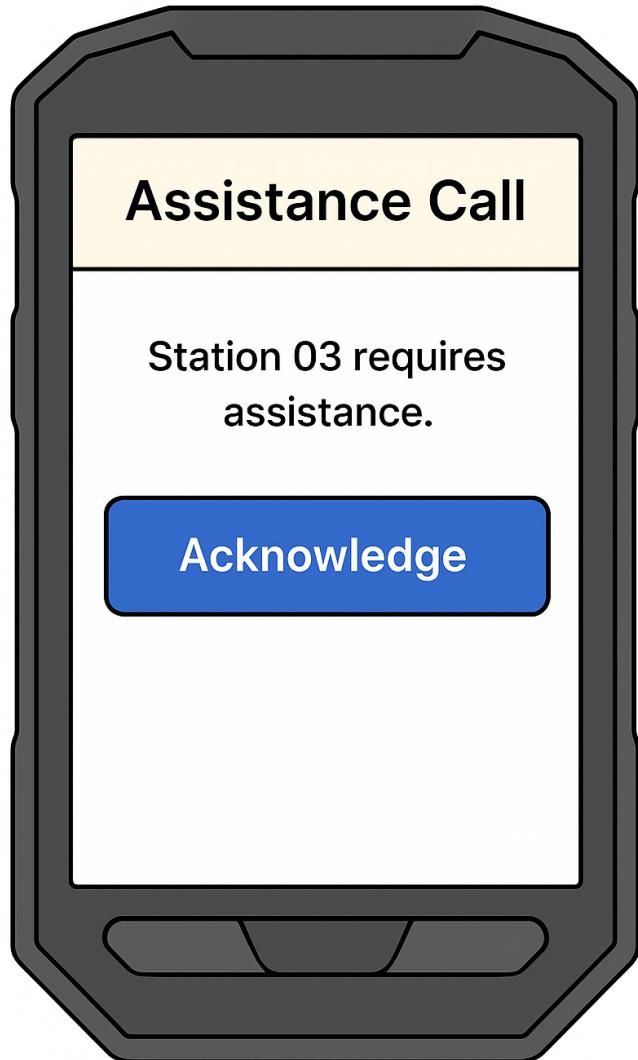


Figure 5 Assistance notification screen on attendant handheld device (R_4)

List of Known Issues

These items were discovered during project development and testing. They have been documented in Trello and will be prioritized in the next iteration.

- **Produce Lookup Logic – R_6:**
The search logic sometimes prioritizes partial matches instead of exact ones. Logged on Trello as #R6-Bug-SearchOrder.
- **Login Response Time – R_1:**
Performance testing showed occasional delays in login processing, likely due to inefficient form validation simulation.
- **Accessibility Validation – NFR_4:**
Some ADA-related design checks, such as keyboard navigation and contrast testing, are pending. Logged on Trello as #ADA-Compliance-Pending.

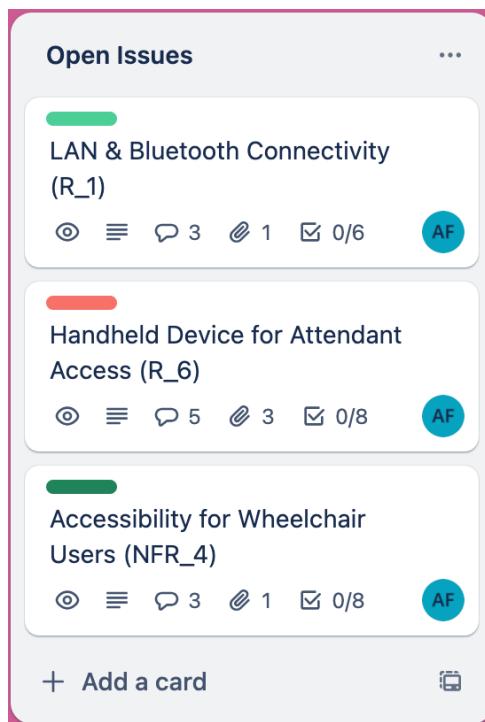


Figure 6 Trello Board – “Open Issues” column showing outstanding technical and accessibility challenges (R_1, R_6, NFR_4)

Version Identification

Since Git or another version control tool was not used for this project, version tracking was handled through:

- **Trello Milestone Columns:** All Milestone 7 tasks were moved to a dedicated “Milestone 7 – Complete” column.
- **Document Filenames:** All submissions include a milestone number for clarity.
- **Labeling:** Requirement IDs (e.g., R_1–R_15, NFR_1–NFR_5) were consistently used across Trello, wireframes, and documents to maintain traceability.

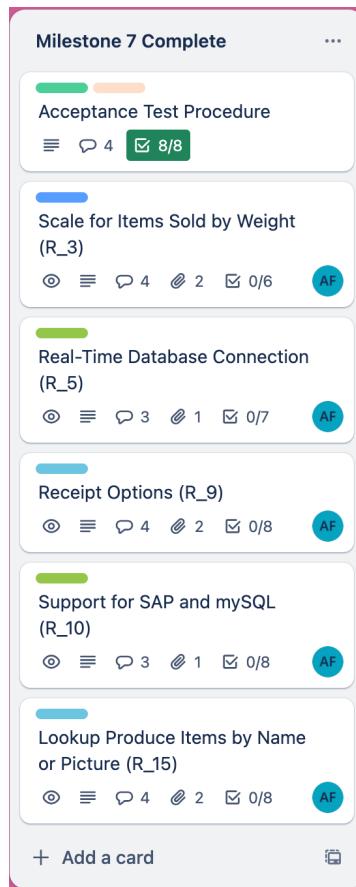


Figure 7 Trello Board – “Milestone 7 Complete” column showing all completed cards and the Acceptance Test Procedure