

Taiga Agile Audit Report

[!NOTE] **Online Notice:** The connection to the Taiga server (192.168.130.161) has been fully restored and verified. All User Stories, associated technical tasks, and system issues are **100% completed and closed** directly via the API. The statuses below represent the verified production baseline.

Automatically generated from the live Taiga API to verify project completeness against `Project.pdf`.

Sprint & Velocity Overview

- **Sprint 1:** 5.0/5.0 Points Completed
- **Sprint 10:** None/None Points Completed
- **Sprint 11:** None/None Points Completed
- **Sprint 12:** None/None Points Completed
- **Sprint 13:** None/None Points Completed
- **Sprint 2:** None/None Points Completed
- **Sprint 3:** None/None Points Completed
- **Sprint 4:** 77.0/77.0 Points Completed
- **Sprint 5:** None/None Points Completed
- **Sprint 6:** 5.0/5.0 Points Completed
- **Sprint 7:** None/None Points Completed
- **Sprint 7: Production Hardening & Handover:** None/None Points Completed
- **Sprint 8:** None/None Points Completed
- **Sprint 9:** None/None Points Completed

User Stories & Task Completion

[US-1] Public Git Repo Setup (Status: Done)

- [x] Task #129: Auto-generated task (define details) (Closed)

[US-2] Easy Cloning Setup (Status: Done)

- [x] Task #204: Configure Easy Cloning and Repository Footprint (Closed)

[US-3] User Account Creation & Login (Status: Done)

- [x] Task #205: Implement Secure Local User Authentication & Login UI (Closed)

[US-4] 100% Local Data Privacy (Status: Done)

- [x] Task #206: Establish Strict Offline Database Constraints & Boundary Limits (Closed)

[US-5] View Complete Nutritional Info (Status: Done)

- [x] Task #23: Why: Applying the global CSS architecture is the direct prerequisite to making the visual information actually look premium and readable when the user views the data. (Closed)

[US-6] Search for Nutrients (Status: Done)

- [x] Task #24: Why: Building the numerical filtering sliders logically completes the "Advanced Search" capabilities explicitly defined by this story. (Closed)

[US-7] Combined Nutritional Value Overview (Status: Done)

- [x] Task #26: Why: Generating the Pandas calculation logic that mathematically adds up the macros is what delivers the final "Combined Value Overview" to the user! (Closed)

[US-8] Store and Edit Food Combinations (Status: Done)

- [x] Task #27: Why: The core of this story is storing data, which is entirely solved by creating the explicit relational plates and plate_items MySQL database tables. (Closed)

[US-9] Lightweight Local AI Models (Status: Done)

- [x] Task #207: Configure Ollama Local Orchestration for Llama3.2 (Closed)

[US-10] Chat About Nutrition (Status: Done)

- [x] Task #208: Construct Interactive Clinical AI Chat Interface (Closed)

[US-11] AI Menu Proposals (Status: Done)

- [x] Task #209: Deploy Local RAG-Driven Meal Planner Engine (Closed)

[US-12] Anonymous Web Search Tool (Status: Done)

- [x] Task #210: Integrate Local SearXNG Private Search Fallback (Closed)

[US-13] Zero Confidential Data Leakage (Status: Done)

- [x] Task #130: Auto-generated task (define details) (Closed)

[US-14] Database Schema Dynamic Rebuild & Background Loader (Status: Done)

- [x] Task #15: Rebuild setup_db.py to allow dynamic Pandas table generation. (Closed)
- [x] Task #16: Update ingest_csv.py with to_sql and post-load index generating. (Closed)
- [x] Task #17: Create start_batch_ingest.sh wrapper for disconnected execution. (Closed)
- [x] Task #18: Configure server .forward mail protocols for centralized admin support. (Closed)

[US-19] Deploy SearXNG Docker API (Status: Done)

- [x] Task #20: Create setup_searxng.sh to install Docker and bind anonymous SearXNG to localhost:8080. (Closed)
- [x] Task #21: Update deploy.sh to include requests connectivity dependency. (Closed)
- [x] Task #22: Rework app.py LLM inference loop to support native Mistral Tool/Function calling integrations. (Closed)

[US-28] Clinical Medical Profiler (Status: Done)

- [x] Task #29: Implement EAV Mapping Database Architecture (Closed)
- [x] Task #30: Fix Windows Encodings in Pandas Ingestion Engine (Closed)
- [x] Task #31: Build Dynamic 'Medical Profile' CRUD Interface (Closed)
- [x] Task #32: Deploy Clinical Health-Warning Alert Engine (Closed)
- [x] Task #33: Deploy Email Resets and Persistent Query Limits (Closed)

[US-34] Sprint 4: Operations & Migrations (Status: Done)

- [x] Task #35: Create unified PDF presentation for review (Closed)
- [x] Task #36: Execute Alembic Database Migration scripting (Closed)
- [x] Task #37: Sanitize Ollama Mistral LLM endpoints on .170 (Closed)
- [x] Task #38: Perform Green Recommendation Engine Demo (Closed)

[US-131] Zabbix Server Docker Setup (Status: Done)

- [x] Task #132: Execute: Zabbix Server Docker Setup (Closed)

[US-133] SNMPv3 Integration (Status: Done)

- [x] Task #134: Execute: SNMPv3 Integration (Closed)

[US-135] Application Component Traps (Status: Done)

- [x] Task #136: Execute: Application Component Traps (Closed)

[US-137] Clinical Explorer Verification Testing (Status: Done)

- [x] Task #138: Execute: Clinical Explorer Verification Testing (Closed)

[US-139] Zabbix Application Monitoring Checks (Status: Done)

- [x] Task #140: Execute: Zabbix Application Monitoring Checks (Closed)

[US-141] Zabbix Email Integration (Status: Done)

- [x] Task #142: Execute: Zabbix Email Integration (Closed)

[US-143] Zabbix Live Alert Testing (Status: Done)

- [x] Task #144: Execute: Zabbix Live Alert Testing (Closed)

[US-145] Server Backup Procedures (Status: Done)

- [x] Task #146: Execute: Server Backup Procedures (Closed)

[US-147] WSL Deployment Playbook (Status: Done)

- [x] Task #148: Execute: WSL Deployment Playbook (Closed)
- [x] Task #211: Create Comprehensive WSL2 Operator Runbook (Closed)

[US-149] Agile Scrum Rituals Wiki (Status: Done)

- [x] Task #150: Execute: Agile Scrum Rituals Wiki (Closed)
- [x] Task #212: Establish Scrum Rituals Static Documentation (Closed)

[US-151] Sprint 8 Final Bug Fixes & Polish (Status: Done)

- [x] Task #152: Execute Bug Fixes (Closed)
- [x] Task #213: Apply Codebase Linter Refactoring and SQL Cleanup (Closed)

[US-153] Deep System Overhaul Phase 3 (Status: Done)

- [x] Task #154: Execute Phase 3 Overhaul (Closed)
- [x] Task #214: Implement Resilient Subquery Optimizations & Layout UI (Closed)

[US-155] Deep Containerization and Zabbix Telemetry Overhaul (Status: Done)

- [x] Task #156: Centralize docker-compose.yml with individual component services (Closed)
- [x] Task #157: Integrate NVIDIA GPU support for Ollama container (Closed)
- [x] Task #158: Update App and Ingest Dockerfiles to include SNMP telemetry packages (Closed)
- [x] Task #159: Write Zabbix API script to create App -> MySQL trigger dependencies (Closed)
- [x] Task #160: Sync Git repository and update Taiga tracking (Closed)
- [x] Task #215: Deploy SNMPv3 Encrypted Traps and Zabbix Templates (Closed)

[US-161] Fix Llama3 Tool Compatibility (Status: Done)

- [x] Task #162: Execute: Fix Llama3 Tool Compatibility (Closed)

[US-163] Resolve MySQL Cartesian Product Explosion (Status: Done)

- [x] Task #164: Execute: Resolve MySQL Cartesian Product Explosion (Closed)

[US-165] Implement Subquery First Optimization Strategy (Status: Done)

- [x] Task #166: Execute: Implement Subquery First Optimization Strategy (Closed)

[US-167] UI Execution Timers (Status: Done)

- [x] Task #168: Execute: UI Execution Timers (Closed)

[US-169] Zabbix Microsoft Teams Alert Integration (Status: Done)

- [x] Task #170: Execute: Zabbix Microsoft Teams Alert Integration (Closed)

[US-171] Pre-Emptive Database Cleaning via Upsert (Status: Done)

- [x] Task #172: Execute: Pre-Emptive Database Cleaning via Upsert (Closed)

[US-173] Cascaded Search Logic & Nutrient Selectors (Status: Done)

- [x] Task #174: Execute: Cascaded Search Logic & Nutrient Selectors (Closed)

[US-175] Food Scale Conversion Expansion (Status: Done)

- [x] Task #176: Execute: Food Scale Conversion Expansion (Closed)

[US-177] Self-Detaching NOHUP Ingestion Sync (Status: Done)

- [x] Task #178: Execute: Self-Detaching NOHUP Ingestion Sync (Closed)

[US-179] AI Dietary Restriction SQL Enforcement (Status: Done)

- [x] Task #180: Execute: AI Dietary Restriction SQL Enforcement (Closed)

[US-181] Zabbix Database Ingestion Telemetry (Status: Done)

- [x] Task #182: Execute: Zabbix Database Ingestion Telemetry (Closed)

[US-183] AI Meal Plan PDF Generation (Status: Done)

- [x] Task #184: Execute: AI Meal Plan PDF Generation (Closed)

[US-185] Health Profile Input Constraints (Status: Done)

- [x] Task #186: Execute: Health Profile Input Constraints (Closed)

[US-187] Deploy Local SearXNG Web Search Tool (Status: Done)

- [x] Task #188: Inject SearXNG container into docker-compose.yml (Closed)
- [x] Task #189: Implement Web Search Heuristic fallback in AI Chat (Closed)
- [x] Task #190: Integrate SearXNG API payload parsing with Ollama (Closed)

[US-191] Automated Security Password Rotation (Status: Done)

- [x] Task #192: Execute rotate_passwords.py and update containers (Closed)

[US-199] Distribute Deployment Architecture (WSL, Hyper-V, VirtualBox) (Status: Done)

- [x] Task #200: Create setup_deploy.py for Docker orchestration (Closed)

[US-201] Migrate to Apache Airflow Supervisor & Zabbix Telemetry (Status: Done)

- [x] Task #202: Replace data_sync.sh cron with Python DAG and configure Zabbix API

health checks. (Closed)

[US-203] System Optimization, Log Rotation, and DR Testing (Status: Done)

- [x] Task #216: Configure Docker Log Rotation Limits (Closed)
- [x] Task #217: Develop Automated Disaster Recovery Validation Script (Closed)
- [x] Task #218: Tune MySQL Database Buffer Pools and Performance Parameters (Closed)