

NON-RELATIONAL DATABASES FOR STORING JSON DATA

Sprint 1: Roadmap

Full name: Angel Martín González García

NAO ID: 3313

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Pathway: IN-MEXICO PROGRAM BACKEND DEVELOPER CERTIFICATION

Roadmap

Title

Project: Non-Relational Databases For Storing Json Data

Objectives

General Objective

Restore and grow user traffic by delivering a fresher, more relevant restaurant directory.

Specific Objectives

1. Establish a reproducible MongoDB foundation (database, collections, indexes, CSV imports, backup).
2. Deliver an Express.js REST API for registering restaurants and adding comments/ratings, with documented usage evidence.
3. Implement search using filters and area-based retrieval aligned to the provided resources.

Deliverables & Deadlines

Sprint 1 deliverables (due Oct 7, 2025):

Backup + CSV imports

Sprint 2 deliverables (due Oct 9, 2025):

Register restaurants (fields/coords)

Comments & ratings

Sprint 3 deliverables (due Oct 12, 2025):

Search with filters

Geospatial area filter

Processes & Roles

Project/PM: Confirms objectives and acceptance criteria; reviews deliverables.

Developer: Implements database artifacts, API endpoints, tests, and documentation.

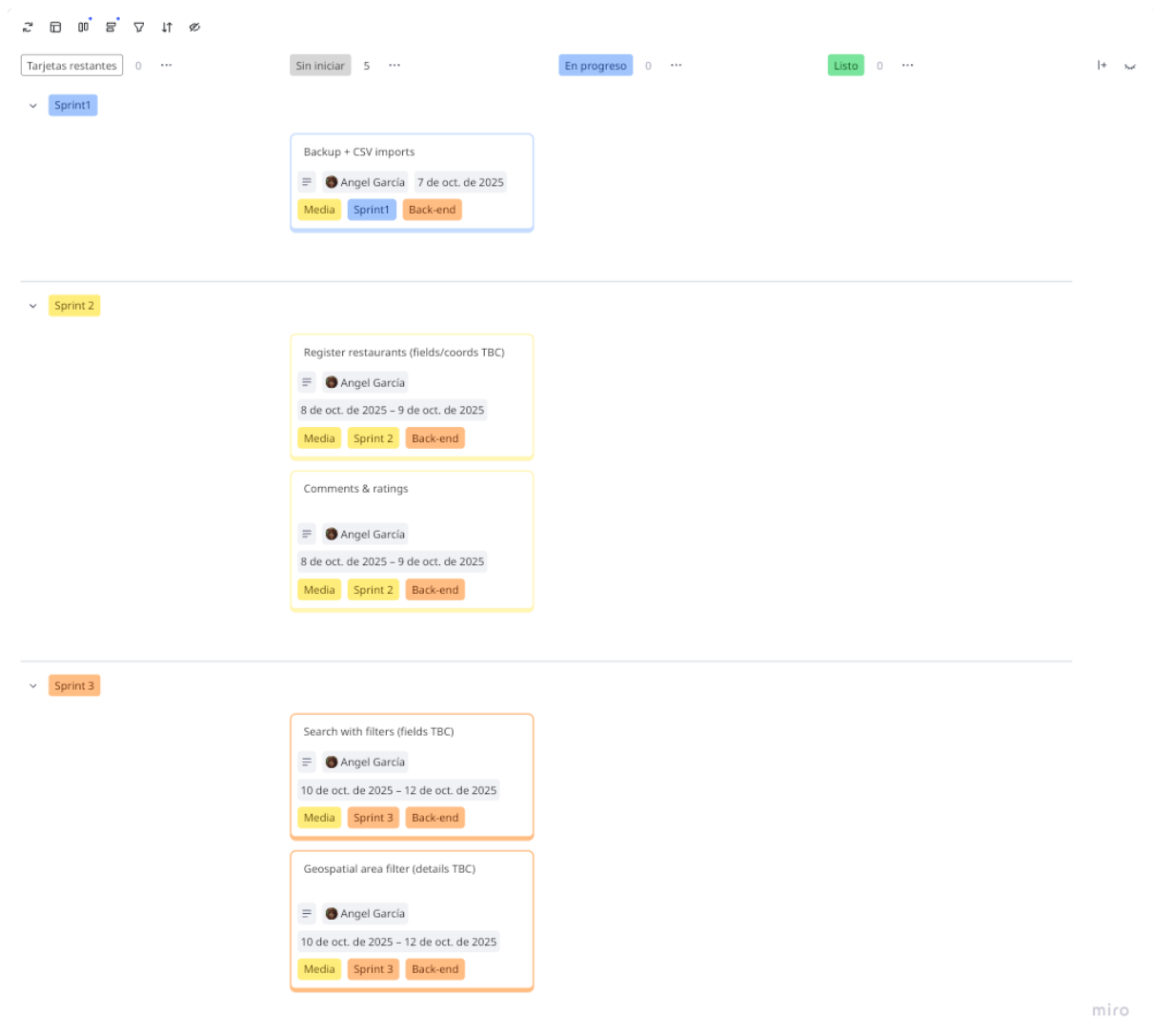
Peer Reviewer: Performs Sprint-2 partial review; documents findings and resolutions.

Repository Admin: Ensures access and visibility for evaluators; maintains backups.

EndUsers: Use the service and give feedback

[illegible]

Timeline View



Kanban View

Dependencies

- **Foundations (Sprint 1):**
 - Create database and collection(s) → import CSV seed data via script(s) → create required index(es) → take screenshots → produce backup (dump) → document steps in README.
- **Core API (Sprint 2):**
 - Connect Express.js to MongoDB → implement endpoints (register restaurants, comments/ratings) → add tests (Postman/Insomnia) → capture screenshots → update README/docs.
- **Discovery Features (Sprint 3):**
 - Implement search using filters → implement area-based retrieval → add tests and screenshots → finalize documentation and access confirmations.

Miro Link

https://miro.com/app/board/uXjVJ9TyG_Q=?share_link_id=809865001501