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**Pathway:** IN-MEXICO PROGRAM BACKEND DEVELOPER CERTIFICATION

Non-Relational Databases for Storing JSON Data

Sprint 1: BackLog

Backlog  
  
User stories

1. As a diner, I want to search restaurants using filters (TBC) so that I can find relevant options.
2. As a diner, I want to view restaurants within a geographic area (TBC) so that I only see reachable options.
3. As a diner, I want to add comments and ratings so that I can share my experience and evaluate places.
4. As a Tattler content maintainer, I want to register new restaurants so that the directory stays current.
5. As a platform admin, I want a reproducible database backup and CSV import scripts so that the team can restore or reload data quickly.

# Tracking Table 1 — Requirements List

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| --- | --- | --- |
| # | User Story | Requirement |
| 1 | Search with filters (TBC) | Implement a **search endpoint** with **filtering (fields TBC)** and **pagination (TBC)**. |
| 2 | View restaurants within an area (TBC) | Implement a **geospatial area filter** (operator and parameters **TBC**) to return restaurants within the specified area. |
| 3 | Add comments and ratings | Implement **endpoints to add comments and ratings** and to **retrieve rating/comment data** for a restaurant. |
| 4 | Register new restaurants | Implement an **endpoint to create/register restaurants** with required fields and coordinates. |
| 5 | Backup + CSV imports | Provide **mongodump-based backup** and **CSV import scripts**, with **instructions** and **screenshots** of successful execution. |

# Tracking Table 2 — Prioritized List

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| --- | --- | --- | --- | --- |
| # | Requirement | Stage | Time Estimation | Deliverables (verifiable evidence) |
| 5 | Backup + CSV imports | **Sprint 1** | 3h | /db/backup/ (mongodump), /db/import/ (CSV + scripts), **README instructions**, **screenshots** of DB/collections (and indexes if applicable). |
| 4 | Register restaurants (fields/coords TBC) | **Sprint 2** | 3h | Create endpoint implemented; minimal validation (**TBC**); **Postman/Insomnia** example; repo code + screenshots. |
| 3 | Comments & ratings | **Sprint 2** | 3h | Endpoints to add and retrieve comments/ratings implemented; **tests/screenshots** in Postman/Insomnia; brief notes on data model (**TBC**). |
| 1 | Search with filters (fields TBC) | **Sprint 3** | 3h | Search endpoint with **filters (TBC)** and **pagination (TBC)**; **tests/screenshots** in Postman/Insomnia. |
| 2 | Geospatial area filter (details TBC) | **Sprint 3** | 3h | Area-based retrieval implemented per provided MongoDB example (**operator/params TBC**); any necessary geospatial index evidence (screenshot); **tests/screenshots**. |