

### 3. USE CASE ANALYSIS

#### SSLS Actors

- MM User - Anyone who is using the menu map application.

*Use Case ID:* TM901 - Menu Verification

*Use Story (Brief):* As a MM user, I want to verify that the restaurant's physical/menu-on-site matches the one shown in the app so that other users can trust the menu data.

*Details (Functional Requirements):*

*Actor:* MM User

*Pre-conditions:*

1. The user has successfully logged onto the system.
2. The restaurant's menu page is open in the app.

*Description:*

1. Use case begins when an MM user clicks on the verify button on the menu page.
2. The system will provide the MM user with a **Menu Verification** form for data entry (See screen design in Appendix A).
3. The MM user shall enter the following data:
  - **Restaurant Name** (required)
  - **Restaurant Location** (required)
  - **Food Item(s)** (required)
  - **Match Rate** (required; e.g., exact match / partial match / mismatch)
  - Optional notes (e.g., "price differs by \$n," "ingredient change," photo link)
4. The MM user will then send their validation using the **report** button.
5. The system shall then notify the MM user if the request was submitted.
6. When the report is received the system shall generate a **report record**, allocate a **unique report id**, and finally stores the submission.

*Post-conditions:*

- The number of reports stored in the system has increased by one.
- The report has been saved in the system.

*Alternative Course of Action:*

- In step 4, the MM user may cancel the report (no data is saved).
- In step 5, if a required field is missing, the system prompts the MM user to complete the missing field(s) and resubmit.

*Exceptions:*

- The **Verify** button is unavailable due to connectivity restrictions.
- The **Report** button is disabled after form completion due to a transient validation or network error.
- **Storage services** are temporarily unavailable; the system shows an error and advises the user to retry later.

*Related Uses Case:*

None.

---

**Decision Support:**

*Frequency:* TBD.

*Criticality:* Medium - improves data trust and user confidence in menu accuracy.

*Risk:* Low - Standard form submission and record creation.

---

**Constraints (or Non-Functional Requirements) (*need to quantify*):**

- Usability:
  - The verification form should be simple and completable without any prior training.
  - Inline hints for “Match Rate” and examples of acceptable notes.
- Reliability:
  - Submissions are acknowledged with a confirmation message.
  - If offline, the app queues the submission for later upload.
- Performance:
  - On a stable connection, saving should complete promptly (target < 10 seconds).
- Supportability:
  - Should work on current Android and iOS versions.

**Modification History:**

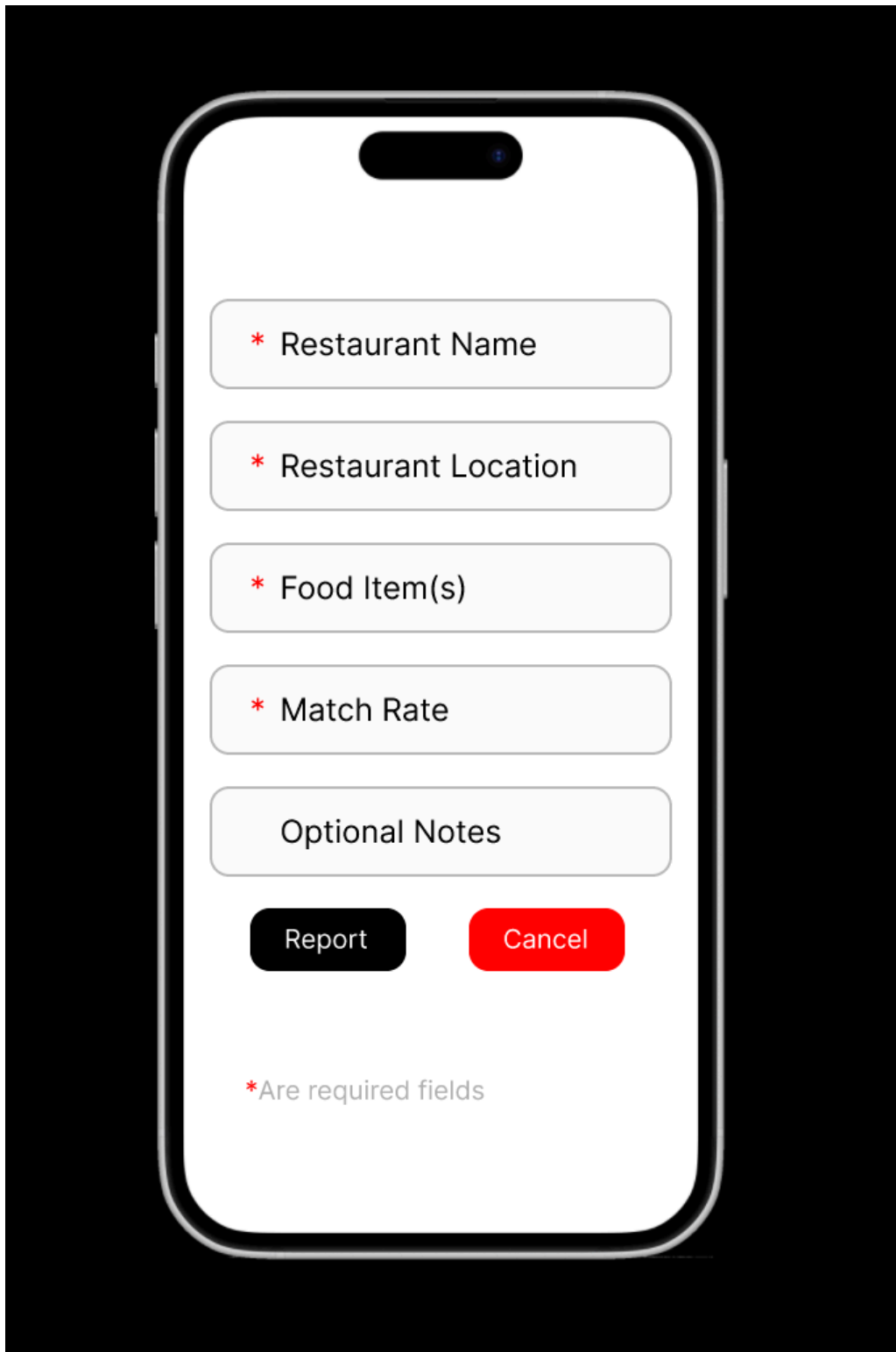
*Owner:* Alfonso Oramas Jr.

*Initiation date:* 09/11/2025

*Date last modified:* 09/11/2025

## APPENDIX A - SCREEN DESIGNS

### 1. MENU VERIFICATION FORM



A mobile application screen design for a menu verification form. The screen is white with rounded corners and a black notch at the top. It features five input fields, each with a red asterisk indicating a required field. The fields are: Restaurant Name, Restaurant Location, Food Item(s), Match Rate, and Optional Notes. Below the fields are two buttons: a black 'Report' button and a red 'Cancel' button. At the bottom, a red asterisk is followed by the text '\*Are required fields'.

\* Restaurant Name

\* Restaurant Location

\* Food Item(s)

\* Match Rate

Optional Notes

Report Cancel

\*Are required fields