

## TM906 - RESTAURANT MAP (USE CASE)

### 1. Overview of the present system

N/A

### 2. Problems with the present system

N/A

### 3. USE CASE ANALYSIS

#### SSLS Actors

- MM User - Anyone who is using the Menu Map application.

*Use Case ID:* TM906 - Restaurant Map

*Use Story (Brief):*

As a MM User, I want to be able to pick a restaurant off a visual two dimensional map and look at its menu, so that I can easily find and explore nearby dining options.

*Details (Functional Requirements)*

*Actor:* MM User

*Pre-conditions:*

1. The MM User has successfully logged onto the system.
2. The MM User has opened the restaurant map interface.

*Description:*

1. Use case begins when the MM User selects a restaurant icon from the map.
2. The system highlights the selected restaurant and displays a pop-up with restaurant details (e.g., name, location)
3. The MM User clicks the **View Menu** option.
4. The system retrieves and displays the restaurant's menu page within the app.
5. The MM User can then browse the menu items (categories, prices, dietary information, etc.).

*Post Conditions:*

- The selected restaurant's menu is displayed within the app.

*Alternative Courses of Action:*

- If the restaurant has no menu uploaded, the system displays a message: "Menu unavailable."
- If multiple restaurants overlap on the map, the system prompts the MM user to choose from a list of nearby restaurants.

*Exceptions:*

- The restaurant map fails to load due to connectivity issues.
- The menu retrieval fails because the restaurant data is missing.
- The system times out when fetching the menu.

*Related Use Cases:*

N/A

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#### Decision Support

- Frequency: TBD.

- Criticality: Medium - enables intuitive, location-based access to menus.
  - Risk: Low - uses standard map interface and menu linking.
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**Constraints (or Non-Functional Requirements) (*need to quantify*):**

- Usability:
  - Restaurants should be clearly marked with icons on the map.
  - Map navigation (zoom, pan) must be simple and intuitive.
- Reliability:
  - Restaurant locations must be accurate.
- Performance:
  - The map should load within 5 seconds on a stable connection.
- Supportability:
  - Should work on current Android and iOS versions.

**Modification History:**

Owner: Alfonso Oramas Jr.

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