

Requirements Analysis (Cafeteria Menu Display)
Solution Requirements (Functional & Non-functional)

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| Date | 25- JUNE-2025 |
| Team ID | LTVIP2025TMID30503 |
| Project Name | Cafeteria Menu Display |
| Maximum Marks | 4 Marks |

Functional Requirements:

Following are the functional requirements of the proposed solution.

- Admins can create, modify, and publish menu items with date-based filtering.
- Users can access current and upcoming menus categorized by meal types.
- System logs changes and archives historical menus for reference

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|--|
| FR-1 | User Registration | Registration through Form Registration through Gmail Registration through LinkedIn |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Menu Management | Add/Edit/Delete Daily Menu Categorize by Meal Type (Breakfast, Lunch, etc.) Schedule Weekly/Monthly Menu |
| FR-4 | Digital Menu Display | Display Real-Time Menu on Screens Highlight Daily Specials or Offers Auto-Refresh Display When Menu is Updated |

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

- Should be responsive across desktop and mobile devices.
- Secure access via role-based authentication.
- Scalability to accommodate multiple branches or locations.
- High uptime, low latency, and intuitive navigation.

Use Cases :- A cafeteria manager logs in, submits a weekly menu, and schedules publishing.
Employees access the portal daily to check vegetarian options

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | Interface should be intuitive for non-technical cafeteria staff, requiring minimal training. |
| NFR-2 | Security | Access should be role-based to protect menu and inventory data from unauthorized edits. |

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| NFR-3 | Maintainability | The system should allow easy updates and maintenance with minimal technical dependency. |
| NFR-4 | Performance | Menu changes should appear on display screens within 2 seconds of being updated in ServiceNow. |
| NFR-5 | Availability | The system must be available during all cafeteria hours (e.g., 7:00 AM – 10:00 PM). |
| NFR-6 | Scalability | System should support multiple cafeteria locations and display screens simultaneously. |