

Date	28 June 2025
Team ID	LTVIP2025TMID60591
Project Name	Cafeteria Menu Display
Maximum Marks	4 Marks

✔ **Technology Stack for a Cafeteria Menu Display in ServiceNow**

1. Platform: ServiceNow

- **Core Language:** JavaScript (used throughout for scripting)
- **Backend Framework:** ServiceNow proprietary platform based on Java and Glide API
- **Frontend Framework:** HTML + CSS + AngularJS (for Service Portal), or Now Experience UI Framework (React-based for newer UIs)

🧩 **Core Components**

Layer	Technology / Tool	Purpose
Database	ServiceNow CMDB / Custom Tables	Store cafeteria items, pricing, schedule
Backend	GlideRecord, Script Includes	Query, business logic, access control
Frontend	Service Portal Widgets / Now UI	Display menu visually
UI Framework	AngularJS (classic), React (Now UI)	Build interactive menu components
Integration	REST APIs / MID Server (if external)	Pull menu data from external sources
Authentication	OAuth / SSO	Secure access to the menu
Automation	Flow Designer / Business Rules	Auto-update or notify about changes

🌀 **Example Architecture Flow**

1. **Admin updates menu** in a custom table (x_cafeteria_menu).
2. **Script Include** fetches data via GlideRecord.

3. **Widget** on the **Service Portal** renders data dynamically.
4. Optional: Use **REST API** to sync with an external nutrition or scheduling system.
5. **UI Policy / Client Script** manages display behavior (e.g., filter by day/time).

Optional Frontend Enhancements

- **Chart.js or D3.js** – for visualizing menu stats (nutrition, popularity)
- **Bootstrap / Tailwind CSS** – for styling (in Service Portal themes)
- **Digital Signage Integration** – if deployed on displays/kiosks

Testing and Deployment

- **ATF (Automated Test Framework)** – to test menu updates and display logic
- **Update Sets** – to move code between instances (Dev → Test → Prod)