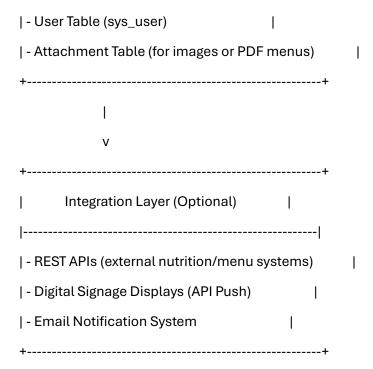
Date	20 June 2025	
Team ID	LTVIP2025TMID60591	
Project Name	Cafeteria Menu Display	
Maximum Marks	4 Marks	

🔀 Solution Architecture: Cafeteria Menu Display in ServiceNow

1. Architecture Diagram Overview +----+ +----+ | Cafeteria Admin UI | Employee Portal | | (ServiceNow Forms) | | (Service Portal UI) | ServiceNow Application Layer |-----| | - UI Pages / Widgets / Now UI Components | | - Script Includes / Business Rules / Client Scripts | | - Flow Designer (for automation and notifications) | | - Access Control Rules (ACLs, Roles) Data Layer (ServiceNow DB) | - Custom Table: x_cafe_menu_items

Fields: Name, Category, Date, Price, Tags, Status



• 2. Key Components & Roles

Component	Description	
Custom Menu Table	Stores all menu-related data (items, prices, categories, availability)	
Service Portal Widget	Displays the menu to users with filters and responsive design	
Form UI for Admins	Allows cafeteria staff to add or update menu items easily	
Flow Designer	Automates daily updates, reminders, or notifications	
Script Includes	Encapsulates business logic to fetch and process menu data	
Client Scripts/UI Policy	Controls UI behavior (e.g., hide breakfast after 11am)	
Access Control Rules (ACLs)	Restricts who can edit vs. view menu data	
Integration APIs	(Optional) Fetch menu from external systems or push to external displays	

3. Data Model (Sample Fields in x_cafe_menu_items)

Field Name	Туре	Description
Item Name	String	Name of the food item
Category	Choice	Breakfast, Lunch, Snacks, etc.

Price	Decimal	Item cost	
Date Available	Date	Date the item is offered	
Dietary Tags	Multi-select	Vegan, Gluten-Free, Spicy, etc.	
Status	Choice	Active / Inactive	
Image Attachment	File	Optional image of the dish	

Optional Enhancements

- **Performance Analytics**: Analyze most popular dishes, cafeteria usage
- Multilingual Support: Translate menu for diverse workforce
- **Kiosk Mode**: Auto-refreshing display for mounted screens
- Mobile App Integration: View menu within ServiceNow mobile app

✓ Benefits of This Architecture

- Fully integrated into the ServiceNow ecosystem
- Scalable and maintainable with low-code tools
- Secure with role-based access control
- Mobile, web, and signage friendly
- Automation-ready with Flow Designer