
2. Project Work flow :

A flowchart for a college food project workflow can visually represent the sequence of steps involved in providing meals, from procurement to serving. It can include stages like menu planning, ingredient sourcing, food preparation, cooking, distribution, and waste management, highlighting decision points and potential bottlenecks.



College Food System – Project Workflow

1. Requirement Gathering

Stakeholder meetings (Students, Admins, Canteen staff)

Identify goals: (e.g., online ordering, meal plans, inventory tracking)

Collect feature requests:

Menu display

Daily specials

Diet/nutrition info

Feedback system

2. System Design

Architecture Design

Frontend: Mobile app / web portal for students

Backend: Admin panel, kitchen interface, database

APIs: For ordering, payments, inventory sync

Database Design

Tables: Users, Menu Items, Orders, Feedback, Inventory

Wireframes/UI Design

Mockups for user interface (UX/UI)

3. Technology Stack Selection

Frontend: React, Flutter, or Angular

Backend: Node.js, Django, or Laravel

Database: MySQL or MongoDB

Hosting: AWS, Azure, or local servers

Payment Integration: UPI, Razor pay, etc.

4. Development Phase

Module-wise Implementation:

User Module

Registration, login, meal selection

Menu Management

Daily menu updates by staff

Order & Payment Module

Place/cancel orders, transaction history

Inventory & Stock Management

Real-time stock updates for kitchen

Admin Dashboard

Reports, user management, complaints

Notifications

Alerts for meal times, order confirmations

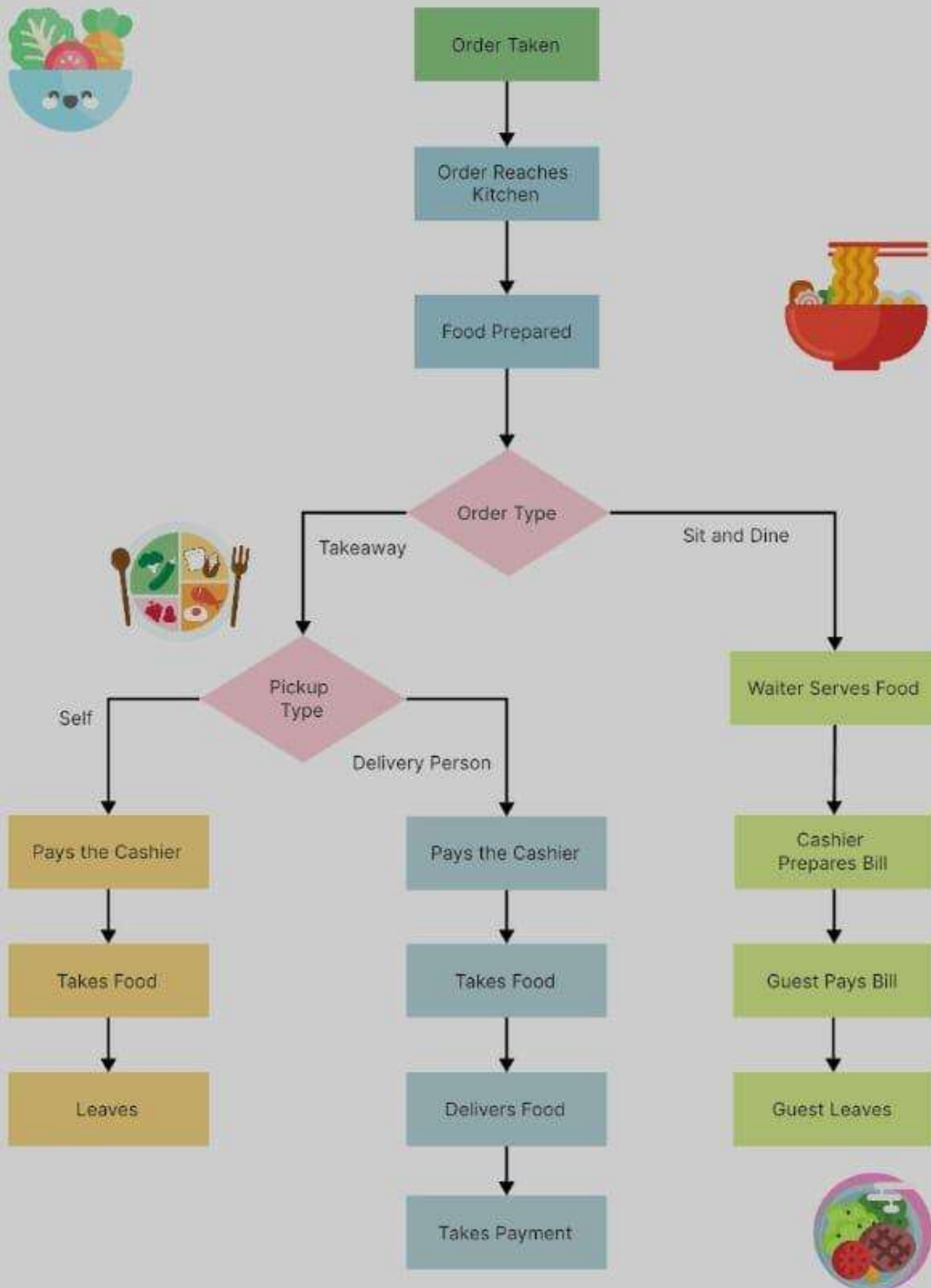
5. Testing Phase

Unit Testing – Check each module

Integration Testing – Ensure modules work together

User Acceptance Testing (UAT) – Real users test system

Bug Fixing & Optimization



6. Deployment

Launch on college network / app store

Set up servers & database

Assign roles and permissions

7. Training & Documentation

Train canteen staff & students

Create user manuals/help videos

FAQ section for common issues.

8. Maintenance & Feedback

Regular updates

Handle complaints and suggestions

Track usage and perform.
