# Canteen Automation System

User Stories

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# Student User Stories

- Front View: As a student user, I should be able to view today's menu on the homepage so that I can quickly see what's available.
   - Back View: The system should display today's menu prominently on the homepage.
Failures: Unable to load the menu due to server issues.

- *Front View: As a student user, I should be able to apply for meal vouchers during checkout, so that I can reduce my total cost.*
   - *Back View: The system should validate and apply meal vouchers to the total amount.*
*Failures: Invalid or expired voucher, server error.*

- *Front View: As a student user, I should be able to set dietary preferences so that the system can recommend suitable menu items.*
   - *Back View: The system should save and use dietary preferences to filter menu recommendations.*
*Failures: Unable to save preferences due to server error.*

- *Front View: As a student user, I should be able to subscribe to meal plans so that I can receive meals regularly.*
   - *Back View: The system should offer subscription options and manage recurring orders.*
*Failures: Unable to process subscription due to payment or server issues.*

- Front View: As a student user, I should be able to get notifications for new menu items so that I can try them out.
   - Back View: The system should send notifications for new items based on user preferences.
Failures: Notification system errors.

- *Front View: As a student user, I should be able to view allergy information for each menu item so that I can avoid allergens.*
   - *Back View: The system should display detailed allergen information for menu items.*
*Failures: Missing or incomplete information.*

- *Front View: As a student user, I should be able to set a budget for weekly meals so that I can manage my expenses.*
   - *Back View: The system should track spending and alert users if they are close to their budget.*
*Failures: Inaccurate tracking due to server error.*

- Front View: As a student user, I should be able to view and download my order receipts so that I can keep records.
  - Back View: The system should provide downloadable receipts for each order.
Failures: Unable to generate or download receipts due to server error.

*- Front View: As a student user, I should be able to split the bill with friends so that we can share the cost.*
  *- Back View: The system should offer a split-bill option at checkout.*
*Failures: Payment processing errors.*

- Front View: As a student user, I should be able to rate the cafeteria service so that my feedback can help improve it.
  - Back View: The system should collect and display service ratings.
Failures: Unable to submit ratings due to server error.

- Front View: As a student user, I should be able to track my order in so that I know when it will be ready.
  - Back View: The system should provide real-time order tracking.
Failures: Tracking errors due to server issues.

- Front View: As a student user, I should be able to use my student ID for quick login so that I can save time.
  - Back View: The system should integrate with the student ID system for authentication.
Failures: Authentication issues due to integration errors.

*- Front View: As a student user, I should be able to see popular dishes among students so that I can try recommended items.*
  *- Back View: The system should display a list of popular dishes based on orders and ratings.*
*Failures: Data retrieval errors.*

- Front View: As a student user, I should be able to request a refund easily so that I can resolve order issues.
  - Back View: The system should provide a refund request form and process refunds.
 Failures: Processing errors due to server or payment gateway issues.

- Front View: As a student user, I should be able to customize my meal order so that I can have meals prepared to my liking.
  - Back View: The system should allow customization options for menu items.
Failures: Customization options not applied correctly.

*- Front View: As a student user, I should be able to earn loyalty points with each purchase so that I can get rewards.*
  *- Back View: The system should track purchases and award loyalty points.*
*Failures: Loyalty point tracking errors.*

- Front View: As a student user, I should be able to receive push notifications for order updates so that I stay informed.
  - Back View: The system should send push notifications for order status changes.
Failures: Notification system errors.

*- Front View: As a student user, I should be able to filter the menu by calorie count to make healthier choices.*
  *- Back View: The system should provide calorie count filters for the menu.*
*Failures: Filter not working correctly.*

- Front View: As a student user, I should be able to add tips for the cafeteria staff during checkout so that I can show appreciation.
  - Back View: The system should allow adding tips and include them in the total amount.
Failures: Tip calculation errors.

- Front View: As a student user, I should be able to access a history of all my interactions with the cafeteria so that I can review past activity.
  - Back View: The system should provide an interaction history log.
Failures: History retrieval errors.

- Front View: As a student user, I should be able to view and join cafeteria-related events so that I can participate in community activities.
  - Back View: The system should list upcoming events and allow users to join.
 Failures: Event listing or joining issues.

*- Front View: As a student user, I should be able to view nutritional information for each menu item so that I can make informed dietary choices.*
  *- Back View: The system should display nutritional information for menu items.*
*Failures: Missing or incorrect nutritional data.*

*- Front View: As a student user, I should be able to see preparation time estimates for menu items so that I can plan my meals.*
  *- Back View: The system should display preparation time estimates for each item.*
*Failures: Incorrect time estimates.*

# Faculty User Stories

- Front View: As a faculty user, I should be able to request catering for departmental events so that I can arrange meals conveniently.
  - Back View: The system should provide a catering request form and process orders.
 Failures: Request processing errors.

*- Front View: As a faculty user, I should be able to view nutritional information for all menu items so that I can make informed choices.*
  *- Back View: The system should display detailed nutritional information.*
*Failures: Missing or incorrect data.*

- Front View: As a faculty user, I should be able to provide feedback on cafeteria services so that I can contribute to improvements.
  - Back View: The system should collect and display feedback.
Failures: Unable to submit feedback.

- Front View: As a faculty user, I should be able to view my order history, so that I can submit expense reports.
  - Back View: The system should provide a detailed order history with download options.
Failures: History retrieval errors.

*- Front View: As a faculty user, I should be able to set dietary preferences and restrictions, so that I can receive suitable meal recommendations.*
  *- Back View: The system should save and use dietary preferences for recommendations.*
*Failures: Preference saving errors.*

*- Front View: As a faculty user, I should be able to earn loyalty points for each purchase so that I can benefit from rewards.*
  *- Back View: The system should track and award loyalty points.*
*Failures: Point tracking errors.*

*- Front View: As a faculty user, I should be able to set up automatic recurring orders daily so that I don't have to place the same order every day.*
  *- Back View: The system should support setting up recurring orders.*
*Failures: Recurring order processing errors.*

- Front View: As a faculty user, I should be able to receive notifications about special offers and discounts so that I can take advantage of deals.
  - Back View: The system should send notifications for special offers.
Failures: Notification system errors.

- Front View: As a faculty user, I should be able to customize my meal orders, so that I can have them prepared according to my preferences.
  - Back View: The system should allow customization options for menu items.
Failures: Customization options not applied correctly.

- Front View: As a faculty user, I should be able to use my faculty ID for quick login so that I can save time.
  - Back View: The system should integrate with the faculty ID system for authentication.
Failures: Authentication issues.

- Front View: As a faculty user, I should be able to rate the cafeteria food and service so that my feedback can help improve quality.
  - Back View: The system should collect and display food and service ratings.
Failures: Unable to submit ratings.

- Front View: As a faculty user, I should be able to access a detailed breakdown of my meal expenses so that I can manage my budget.
  - Back View: The system should provide detailed expense reports.
Failures: Report generation errors.

*- Front View: As a faculty user, I should be able to track my order in so that I know when it will be ready.*
  *- Back View: The system should provide real-time order tracking.*
*Failures: Tracking errors.*

- Front View: As a faculty user, I should be able to contact cafeteria support for any issues, so that I can get help quickly.
  - Back View: The system should provide contact options for support.
 Failures: Contact options not working.


- Front View: As a faculty user, I should be able to manage and update my profile information, so that my details are always current.
  - Back View: The system should allow profile updates. Failures: Profile update errors.

- Front View: As a faculty user, I should be able to View: and join cafeteria-related events, so that I can participate in community activities.
  - Back View: The system should list upcoming events and allow users to join.
Failures: Event listing or joining issues.

*- Front View: As a faculty user, I should be able to view allergy information for each menu item, so that I can avoid allergens.*
  *- Back View: The system should display detailed allergen information.*
*Failures: Missing or incomplete information.*

- Front View: As a faculty user, I should be able to add tips for the cafeteria staff during checkout, so that I can show appreciation.
  - Back View: The system should allow adding tips and include them in the total amount.
Failures: Tip calculation errors.

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  - Back View: The system should provide an interaction history log.
Failures: History retrieval errors.

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  - Back View: The system should send push notifications for order status changes.
    Failures: Notification system errors.

*- Front View: As a faculty user, I should be able to set a budget for weekly meals, so that I can manage my expenses.*
  *- Back View: The system should track spending and alert users if they are close to their budget.*
*Failures: Inaccurate tracking due to server error.*

- Front View: As a faculty user, I should be able to see preparation time estimates for menu items so that I can plan my meals.
  - Back View: The system should display preparation time estimates for each item.
Failures: Incorrect time estimates.

# System Administrators User Stories

Front View: As a website administrator, I should have access to an admin panel so that I can manage menu items.
Back View: The website should have an admin panel accessible only to authorized administrators.

Front View: As a website administrator, I should see changes in the admin panel reflected on the user-facing menu page to keep the menu current.
Back View: The changes made in the admin panel should be reflected on the user-facing menu page.

Front view: As a website administrator, I should be able to view and manage user accounts so that I can handle user-related issues and maintain the user base.
Back view: The admin panel should provide a user management section and should be able to view a list of registered users, along with their basic information.

Front view: As a website administrator, I should be able to generate reports on sales, popular menu items, and user feedback so that I can make data-driven decisions for the business.
Back view: The admin panel should include a reporting section.

Front view:  As a website administrator, I should be able to manage cafeteria staff accounts so that I can control access and permissions for different roles.
Back view: The admin panel should include a staff account management section.

Front view: As a website administrator, I should be able to manage cafeteria opening and closing hours and holidays so that customers have accurate information about availability.
Back view: The admin panel should provide a section for managing cafeteria operating hours and holidays.

*Front view: As a website administrator, I should be able to manage cafeteria seating arrangements so that I can optimize space utilization and ensure social distancing.*
*Back view: The admin panel should include a seating arrangement management section and the system should display the available seating options to customers during the ordering process.*

Front view: As a website administrator, I should be able to manage cafeteria equipment and maintenance records so that I can ensure smooth operations and timely repairs.
Back view: The admin panel should provide an equipment and maintenance management section.

Front view: As a website administrator, I should be able to manage cafeteria waste and sustainability initiatives, so that I can minimize environmental impact and promote responsible practices.
Back view: The admin panel should provide a waste and sustainability management section.

Front View: As a website administrator, I should be able to track and monitor food waste generated by the cafeteria, so that I can understand waste patterns and take corrective actions.
Back View: The administrator should be able to track and monitor food waste generated by the cafeteria.

Front view: As a website administrator, I should have the ability to set waste reduction targets and implement sustainability initiatives such as composting or recycling, so that I can reduce the cafeteria's environmental footprint.
Back View: The administrator should have the ability to set waste reduction targets and implement sustainability initiatives such as composting or recycling.

Front view: As a website administrator, I want to provide clear and timely communication about the annual contract renewal of various canteens, so that I can make informed decisions about their employment and plan accordingly.
Back view: The administration section should prompt us to initiate the contract renewal process at least 30 days before the current contract expiration date.

Front view: As a website administrator, I should be able to generate reports on waste levels and sustainability performance, so that I can evaluate the effectiveness of our initiatives and make data-driven decisions.
Back View: The system should generate reports on waste levels and sustainability performance.

Front view: As a website administrator, I should be able to manage cafeteria staff scheduling and attendance, so that I can ensure adequate staffing levels and track employee hours.
Back view: The admin panel should include a staff scheduling and attendance management section.

Front view: As a website administrator, I should be able to manage cafeteria health and safety compliance, so that I can ensure adherence to regulations and maintain a safe dining environment.
Back view: The admin panel should provide a health and safety compliance management section.

Front view: As a website administrator, I should be able to manage cafeteria data privacy and security, so that I can protect customer information and comply with regulations.
Back view: The admin panel should include a data privacy and security management section.

Front view: As a website administrator, I should be able to manage cafeteria third-party integrations and APIs, so that I can extend the system's functionality and interoperability.
Back view: The admin panel should provide a section for managing third-party integrations and APIs.

# Staff User Stories

Front View: As canteen staff, I should be able to add new menu items, so that I can keep the menu up to date.
Back View: The staff panel should allow adding new menu items.

Front View: As a canteen staff, I should be able to update existing menu items, so that I can keep the menu up to date.
Back View: The staff panel should allow updating existing menu items.

Front View: As a canteen staff, I should be able to remove menu items, so that I can keep the menu up to date.
Back View: The staff panel should allow removing items from the menu.

Front view: As a canteen staff, I should be able to manage customer feedback and ratings, so that I can address concerns and improve the cafeteria experience.
Back view: The staff panel should provide a customer feedback management section.

Front view: As a canteen staff, I should be able to manage cafeteria opening and closing hours and holidays, so that customers have accurate information about availability.
Back view: The staff panel should provide a section for managing cafeteria operating hours and holidays.

Front view: As a canteen staff, I should be able to report cafeteria equipment and maintenance reports.
Back view: The staff panel should provide an equipment and maintenance management section.

Front view: As a canteen staff, I should be able to manage supplier information and purchase orders, so that I can ensure timely inventory replenishment.
Back view: The staff panel should include a supplier and purchase order management section.

Front view: As a canteen staff, I want to be able to view and manage my work schedule, so that I can plan my shifts and ensure adequate staffing levels.
Back view: The system should include a staff scheduling module accessible to all canteen staff members.

Front view: As a canteen staff, I want to be able to generate sales and performance reports, so that I can analyze trends, make informed decisions, and optimize operations.
Back view: The system should provide a reporting module with various predefined and customizable reports.

Front view: As a canteen staff, I want to be able to clock in and out of my shifts through the system, so that my attendance and work hours are accurately recorded.
Back view: The system should include a time and attendance management module for staff members.

Front view: As a canteen staff, I want to be able to process mobile and contactless payments, so that I can provide a convenient and hygienic payment experience for customers.
Back view: The system should support integration with popular mobile payment platforms and contactless payment methods, such as NFC or QR codes.

Front view: As a canteen staff, I want to be able to provide feedback to admin and suggestions for improvement, so that we can contribute to the continuous development of the canteen operations.
Back view: The system should include a staff feedback and suggestion module, allowing employees to submit ideas and concerns.

Front view: As a canteen staff, I want to receive clear and timely communication about my annual contract renewal, so that I can make informed decisions about my employment and plan accordingly.
Back view: The canteen management should initiate the contract renewal process at least 30 days before the current contract expiration date.

Front view: As a canteen staff, I want to have a list of all the items that are allowed to sell under my canteen as per the contract.
Back view: The system should include a contract management section where the details of the contract are mentioned properly.

Front view: As a canteen staff, I want to have a functionality to generate a receipt for every food order, so that I can provide customers with a detailed record of their purchase and ensure accurate tracking of sales.
Back view: When a customer places a food order, the system should automatically generate a unique order number.