

Catering Industry

Stakeholders

ACTOR	What they can do on the software created
Employees	Order Meal Search Meal Feedback Track Order Cancel order
Menu manager	create, edit, delete menu View orders Confirm the order
Canteen Manager	Inventory
Meal Deliverer	<ul style="list-style-type: none">• Deliver the meal• Update delivery status
Payroll	<ul style="list-style-type: none">• Deduct the amount
Unilever Management	<ul style="list-style-type: none">• Fetch various reports

Problem Definition and Solution

Almost 30-35 minutes were wasted in waiting in a queue to collect their food and get a table to sit and eat.

Productivity is getting affected by 30 minutes

Employees don't always get their choice of food they want because the canteen runs out of certain items.

The canteen wastes a significant quantity of food by throwing away what is not purchased.

Advantages and Objectives

Advantages of the Canteen Ordering System:

- Write down the advantages for canteen and the employees.

Existing System

- How is the existing system? Does it have any of the mentioned features already?

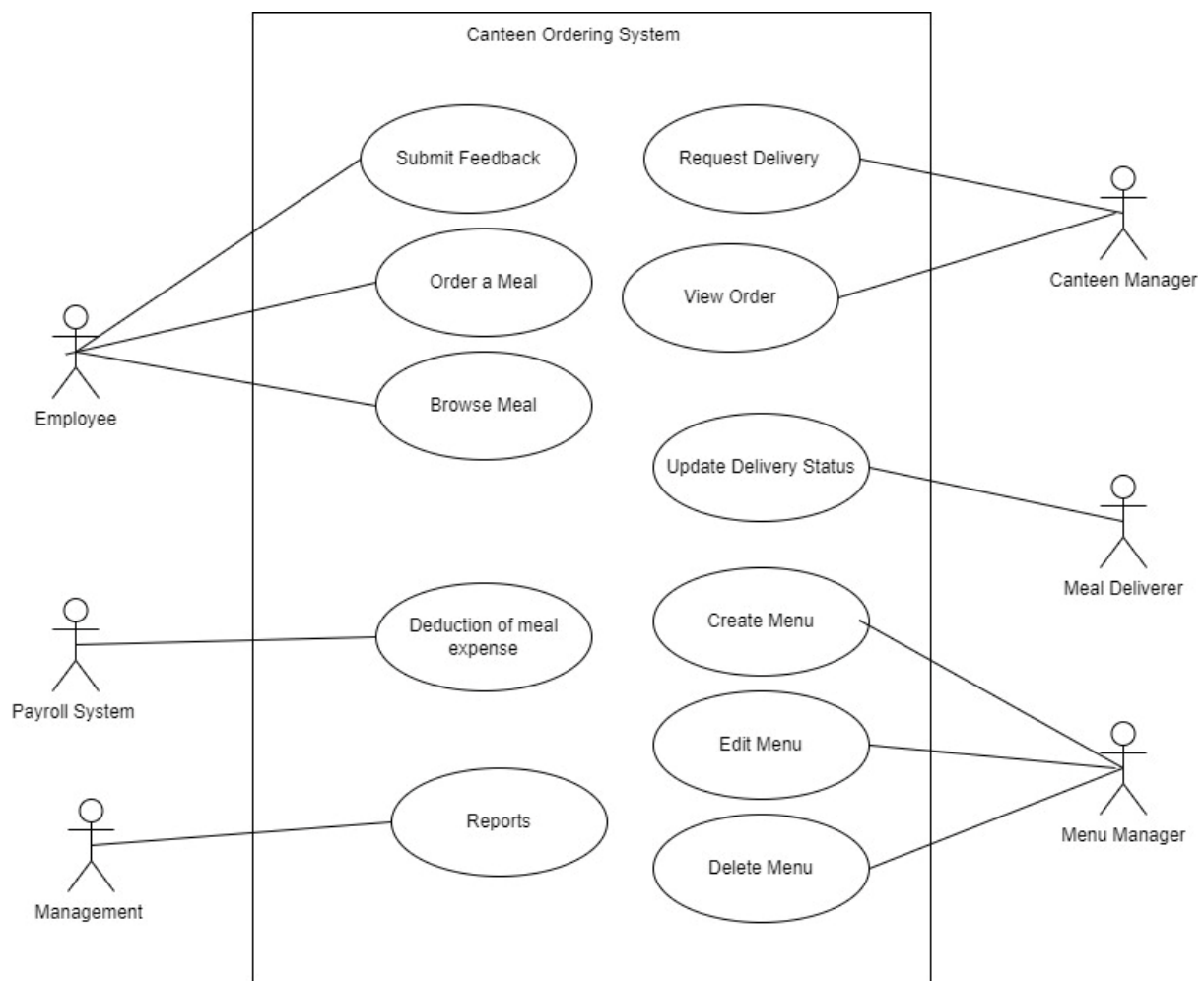
Proposed System

What is the proposed solution or system? Mention in points how the system itself will be for the user.

- User friendly interface
- ...
- ...

Scope using use case diagram (UML)

Create a use case diagram including all the actors and processes for an end to end process of the system.



In Scope

- Mention the name of features and what they are used for.

Online Meal Ordering System

- Features:

- **Pre-ordering:** Employees can place orders up to 12 hours in advance.
- **Real-time Menu Updates:** Live updates on available food items and specials.
- **Delivery Scheduling:** Options for selecting delivery times within a specified window.
- **Payment Integration:** Secure payment options within the platform.
- **Feedback Mechanism:** Post-meal feedback and ratings for continuous improvement.

Canteen Manager:

Login: The user should be able to login with user id/pwd

Create Menu: The user should be able to create menu and add it.

Modify Menu

Delete Menu

Track Order:

Management: Reports

Employee:

Search a meal from menu

Payment Tracking

Order tracking

Order Meal

Feedback

Delivery Executive: Updates the delivery status once the food is delivered

Out of Scope

Delivery of meal outside office

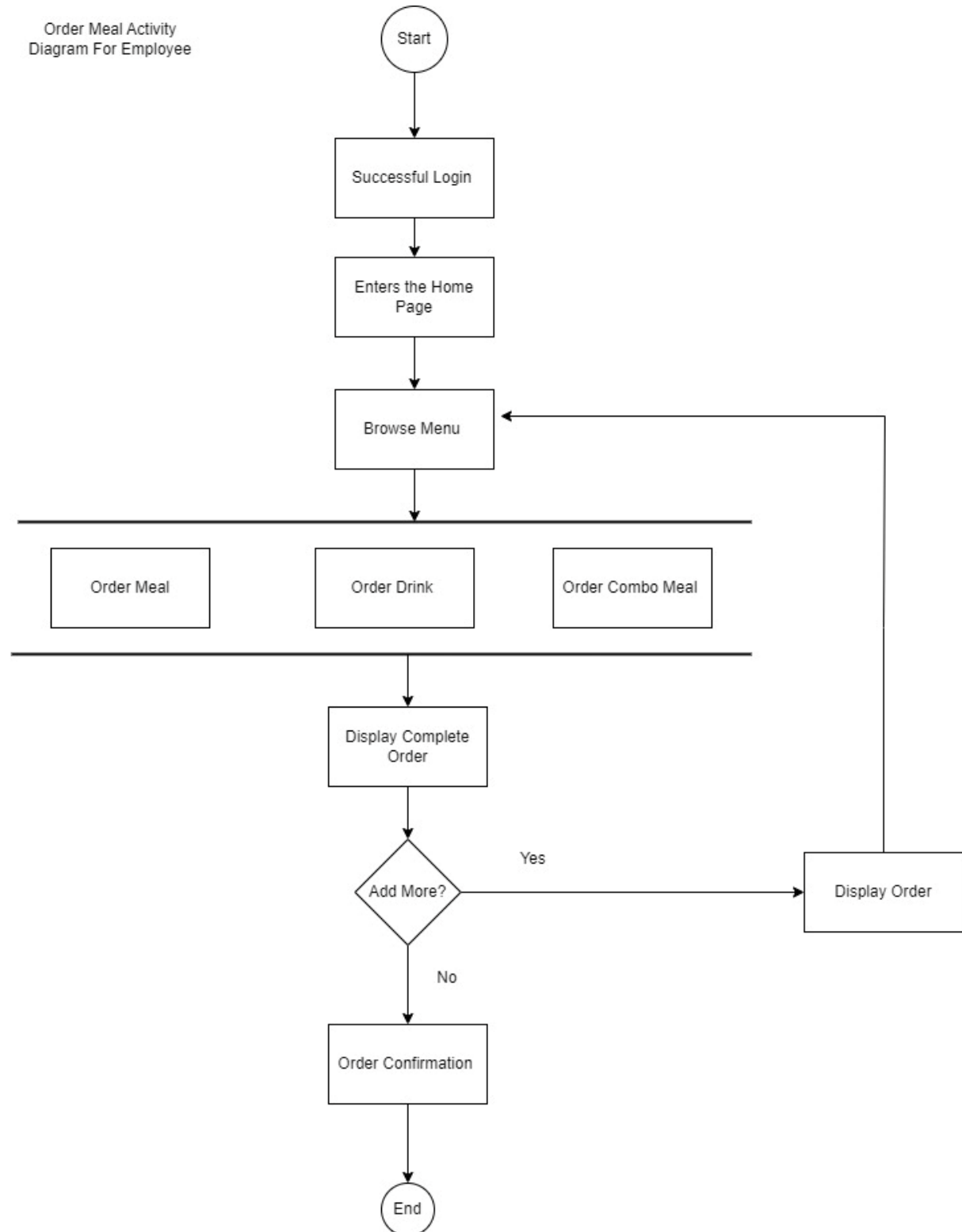
All Payment mode to be accepted will be released in Phase 2

Order Limitation.

Order Timings.

Activity Diagram for the System:

Create an activity diagram for the system.



Business Requirements:

Objectives:

Business Objective 1:

Reduce canteen food wastage by a minimum of 30% within 6 months following first release.

Scale: Value of food thrown away each month by examining the canteen inventory

- Previous - 25% wasted
- Must plan for: Less than 15%

Business Objective 2:

Reduce canteen operating costs by 15% within 12 months, following initial release.

Business Objective 3:

Increase average effective work time by 30 minutes per employee per day, within 3 months.

Business Objective 4:

By making the ordering process automated and by delivering the food to the user's workstation, the canteen will be able to operate with lesser manpower.

Functional Requirements (Behavioural Req)

Order A meal: Employee should be able to order a meal

Browse meal – Employee should be able to browse a meal from list of meal categories

Feedback

Create menu

Edit/Delete Menu

Request Delivery

Update Delivery Status

Fetch Reports

Nonfunctional Requirements

System Requirement:

Scalability and performance:

This canteen ordering system is required to support a volume of 1500 employees ordering. the web pages should be light and render fast.

Usability:

The screens should be self-explanatory and very user friendly. Management would not want employees not ordering from the system as they cannot understand the screens and data fields on screen.

Environments

We are going to be creating and maintaining the program in Java. We chose Java because it will not change much over time, and if we make it well, there will be very little maintenance to be done on the code.

The image is a hand-drawn mockup of a web browser window. The title bar at the top reads "Canteen Ordering System". Below the title bar is a navigation bar with four icons: a left arrow, a right arrow, a close button (X), and a home button. To the right of these icons is an address bar containing the text "https://unileverCOS.com" and a search icon. The main content area has a light blue background and is titled "CREATE MENU" in the center. Below the title, there are four input fields arranged vertically. The first field is labeled "CATEGORY" and is a dropdown menu with the text "Select" and a downward arrow. The second field is labeled "ITEM CODE" and is a simple text input box. The third field is labeled "ITEM DESCRIPTION" and is a simple text input box. The fourth field is labeled "ITEM PRICE" and is a simple text input box. At the bottom of the form, there are two buttons: "SAVE" and "CANCEL". The entire window is enclosed in a grey border.