

Software Requirements Specification

For

Cafeteria Ordering System (COS)

Version 0.1

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12-11-2016

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- ## Preface

- ### Document Purpose

This SRS describes the software functional and nonfunctional requirements for release 0.1 of the Cafeteria Ordering System (COS).

This document is intended to be used by the members of the project's team that will implement and verify the correct functioning of the system.

- ### Target Users

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- ### Version History

Version	Author	Description	Date
0.1	Anas Ezz Andrew Isaac Andrew Ehab Aya Said	Initial	12-11-2016

- ## Introduction

- ### Purpose

COS aims to facilitate the work of the Cafeteria staff in ordering meals and help the patrons to make their orders online have their requests delivered through web services.

- ## Scope

The Cafeteria Ordering System will permit Process Impact employees to order meals from the company cafeteria on-line to be delivered to specified campus locations. A detailed project description is available in the Cafeteria Ordering System Vision and Scope Document.

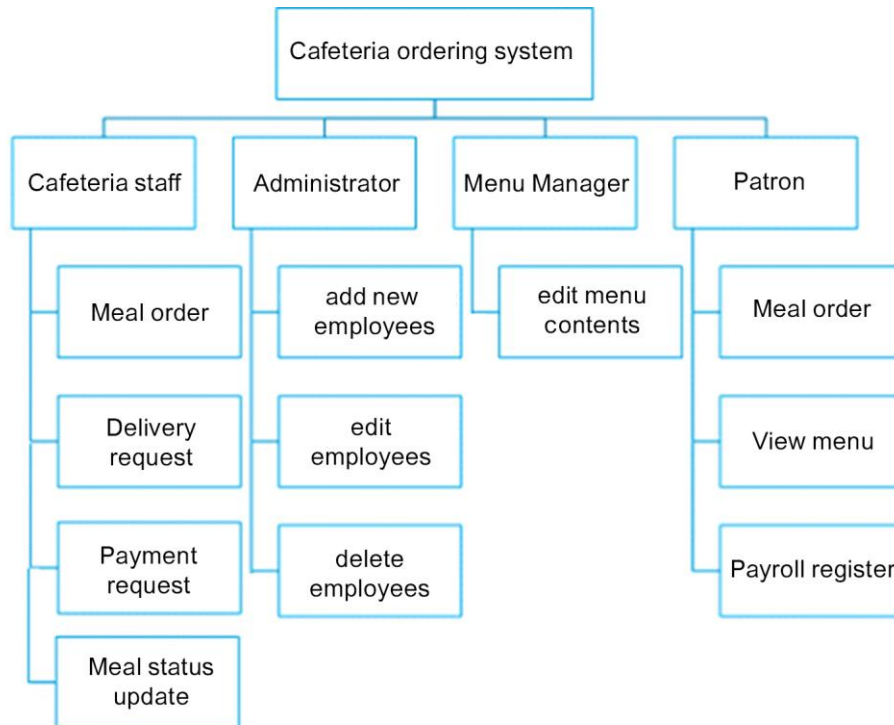


Figure 1: System Functions hierarchy

- ## Glossary

- ### Acronyms, definitions and abbreviations.

- **Order.Done:** When the Patron has confirmed the order, the system shall do the following as a single transaction.
- **Order.Place.Register:** The system shall confirm that the Patron is registered for payroll deduction to place an order.
- **Order.Deliver.Select:** The Patron shall specify whether the order is to be picked up or delivered.

- ## System Users

- ### System stakeholders

- System Engineer

- Responsible for requirements gathering
 - Responsible for development
 - Responsible for deployment and support
- Cafeteria Staff
 - Meal order
 - Delivery request
 - Payment request
 - Meal status update
- Patron
 - Meal order
 - Payroll deduction registration
 - View menu
- Administrator
 - add new employees
 - edit employees
 - delete employees
- Menu Manager
 - edit menu contents

- User Requirements definitions

- System Function

- Add new employee
- Edit Employee
- Delete Employee
- View menu
- Edit menu
- Meal order
- Delivery request
- Payment request
- Meal status update
- Payroll deduction registration

- System Architecture

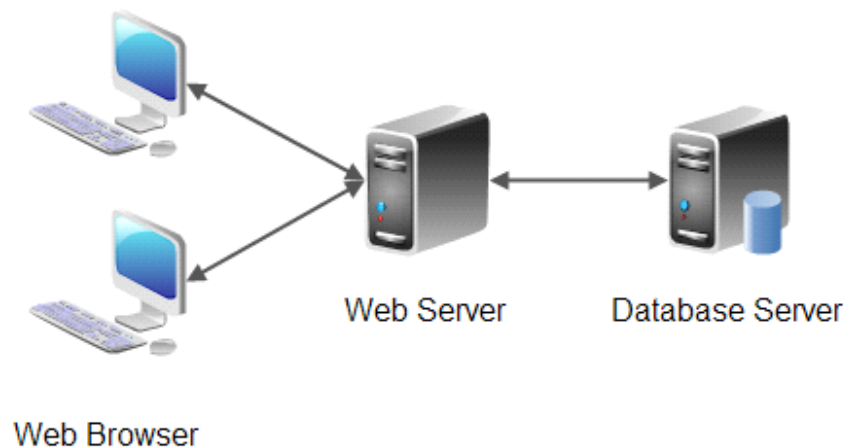


Figure 2 System Architecture

- ## System Functional requirements

- ### Add new employee

The admin can add a new employee by adding this information:

- Main information (name, birthdate, birth location, type, identification type, identity number, religion)
- Contact information (email, mobile number, address, phone number)
- Qualification information (qualification type, qualification date, qualification location)
- Monthly Salary

- ### Edit Employee

System administrators can edit any employee's information including his salary.

- ### Delete Employee

Only the Admin can delete an employee so that he can no longer access the system.

- ### View menu

Patrons, menu managers and cafeteria staff can view the menu to search for a meal and view ingredients and price.

- ### Edit menu

Menu managers shall use this to edit the menu contents and update its prices.

- ### Meal order

Patrons can order any meal online, or the cafeteria staff assign the order for them.

- ### Delivery request

User can request the meal to be delivered.

- ### Payment request

Cafeteria staff use it to request the payment of the meal.

- ### Meal status update

Cafeteria staff regularly checks the status of the meal to assure it's finished.

- Payroll deduction registration

Patrons could use this to register in the payroll deduction system.

- Interface requirements

- User interfaces:

* Imagine some cool UI stuff *

- Software Interfaces

- Database access will be wrapped through Object Relation Mapping Framework (Entity framework)
- Integration points will be handled in future versions

- Communications Interfaces

- Application-Database communication will be through TCP/IP Communication on port 1433
- Users will access the website through https

- System Features

- Use case diagrams, sequence diagrams

- Non-functional requirements

- Availability:

The system should be available during working hours.

- Security:

No one can access the system from outside the cafeteria.

- Safety:

Servers will be kept in the manager's office.