# Sofware Engineering: System Requirements Specifications

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**Group 4**

# Contents

# Introduction

## Purpose

# Overall Description

## Product perspective

The product being represented in this document is a Fast Food Ordering System, a first of it's kind. The software will take the form of a three-tier client-server architecture, with it's primary aim being to give consumers the flexibility of ordering from any restaurant or fast-food outlet. The software will save consumers the time and effort of having to wait in long queues to order their food. The orders are to be made and paid for one online, with the option of choosing to eat at the restaurant or simply to collect your food to eat in the comfort of your own home.

## Product functions

- Enable the user to log on to the system so that orders can be tracked
- Make use of geo-location services to give the user recommendations on places to eat based on a 20km radius
- Have a user friendly menu to avoid confusion when ordering food
- When an order has been made, give a the user a period of 10 minutes to make changes to the order
- Make online payment possible via credit/debit card
- Make online payment secure
- Make use of geo-location services to give user directions to the restaurant
- Keep track of all the orders coming through using numbers

## User Classes and Characteristics

From the consumer side, anyone with access to a smart-phone and a working bank account is a potential user of the software. To narrow it down a bit, it will be well suited for the working class, as they have long working hours and they are often stuck in traffic. Thus this software will be perfect for them, i.e they can order whilst they are stuck in traffic, and by the time they get to the food outlet their order will be ready to take home.
Looking at the service providers (restaurants and fast food outlets), the system will be used by trained staff members. Training which is to be received upon installation of the software.

## Operating Environment

This software will be designed to run in an internet browser, as a result it will be accessible to most operating systems. It will be developed in conjunction with the Google API to provide most of it's geo-location services. PostgreSQL will be the open source database management system that will be in place to implement all relationships that exist between datasets.

## Design and Implementation Constraints

Ehhh Leaders, can I please be given a hand here!!!!!!!

Overall Description continued on next page... 

### User Documentation

- Consumers will be given a comprehensive user-manual
- Services providers will also be given their own user-manual which will also double as training manual.

### Design and Implementation Constraints

Ehhh Leader, can I please be given a hand here!!!!!!!

## External Interface Requirements

### User Interfaces

## Functional Requirements: System Features

### System Feature 1

## Non-functional Requirements

### Performance Requirements