

INTRO TO SOFTWARE ENGINEERING

TEAM 8

PROJECT SCOPE

11/11/18

OVERVIEW

1. Project Description

To create a system for a pizza shop to be able to set up new customers, take orders, calculate bills, process payments, and contain the restaurant menu.

2. Project Scope

To deliver a simple GUI front end that allows users (employees) to easily and efficiently take and process orders. Also, to create a back end for the front end to interface with and store customer data so that it can be accessed easily.

3. High-Level Requirements

The new system must include the following:

- The system will set up a record for each new customer. The information will be keyed by customer phone number. Put the information into the master record (name, address, phone and type of charge account (Visa / Master Card). You also need to record information for locating the address (i.e., subdivision name, closest major intersection, etc.)
- The system need to process payments in the form of checks, cash or credit cards. You will need to keep track of the type of payment made and the amount.
- Users (employees) need to be able to access the customer database for all customer transactions. The information should come up for already established customer showing their address and delivery information.
- The system should be able to print out a receipt of the order with a place to sign the form by the customer if it is on a credit card. This should have customer information, a list of items ordered, if it is for delivery or pickup, and amount due.
- The system should contain the complete restaurant menu for order-taking purposes. The user needs to have GUI access to the various menu items and be able to quickly enter the desired orders. This menu needs to have various sizes of pizzas, the typical types of toppings, various crust options, and beverages. The customer should be able to order things like a medium, thin crust pizza, with pepperoni and extra cheese.

4. Constraints

The major constraint to this project is time since all members making it are full-time college students. Also, since this is a project the budget is limited to \$0 and must be made without spending a single dollar.

5. Affected Business Processes or Systems

Instead of having to do all orders by hand this allows the employees to make an order and send it to the system to be redistributed to wherever it needs to go. It also allows the store to save customer presets which speeds up the ordering process and raises customer satisfaction.

6. Implementation Plan

Our plan for release is to design the entire system and front end and then release it all at once since it is not a large system.