

# Establishing and analyzing the problems at Mario's Pizza Shop

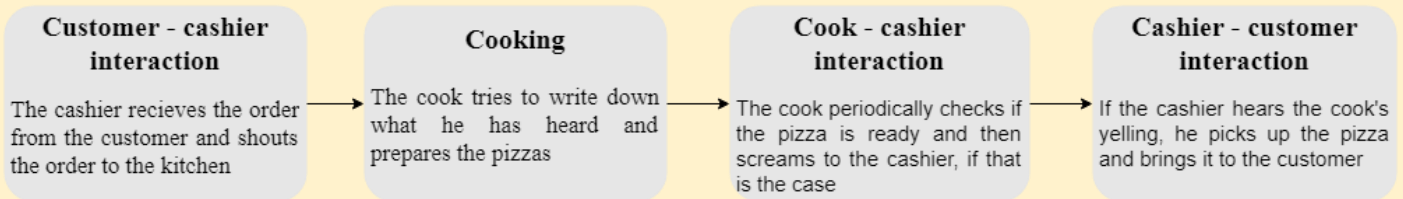


Diagram of the current situation in Mario's Pizza Shop

Bottlenecks	Problems	Solutions
Then cashier processes costumers slowly because he has to scream every order.	Slow order processing.	Create a C# app with interface for the cashier so he can input the orders through it.
	Uncomfortable experience for the costumer.	
The cook can't listen for orders, write them down and cook at the same time.	Slows down the cooking process	Add a UI for the cook to the C# application in order to make it easier for him to receive information about the order.
	Unreliable way to store the data	
	The cook might not hear the correct order	
The cook can't check the conveyer belt and cook pizzas at the same time.	The periodical checking of the pizzas is not efficient	Use an Arduino connected with the C# app through a network to check if the pizzas are ready.
	The cook is distracted and might mess up an order	
The cashier can't listen for the cook's yells about the ready pizzas and take in the orders from customers at the same time.	The cashier might not hear the cook's yelling.	On the UI of the C# app of the cashier, there is a tab that shows which orders are ready and whether the pizza is hot enough to be delivered to the customer.
	The cashier might forget to pick up the pizza.	
	The customer is forced to wait longer.	



## Conclusion:

We established 10 main problems with the current system of the pizza shop, all of which can be solved using ICT Tools.