

Individual Assignment 2 (Part II): Use Case Development

Start Assignment

- Due Monday by 11:59pm
- Points 4
- Submitting a file upload

Overview and Objectives

In the second part of this two part assignment you will use the same scenario as before. However, in this part of the assignment, you will perform detailed analysis of two of your use cases from Part 1.

This assignment is designed for you to show your skills on the following Learning Objectives:

1. Performing a broad analysis of requirements
2. Analyzing requirements for weaknesses

Procedure

Based on the same Pizza Delivery System Narrative, you will use the worksheet provided to do the following:

- **Step 1:** Choose two use cases your previous assignment and outline them using the template provided. The two use cases should be ones that you would consider representative of the system. Make sure to write the two Main Success Scenarios for each.
- **Step 2:** Select one of those two uses cases and complete a detailed use case that includes an Alternate Scenario and a Failure Variation using the template provided.

Narrative

Below is a narrative describing a Pizza Delivery System:

As the information system head of "ACME Pizza Co." you are tasked with developing an online system for pizza ordering and delivery. The company would like to replace its traditional 'call and place the order' system.

The new system will allow customers to order a pizza, select toppings and place the order. It is a human-in-

the-loop system with a pizza analyst interacting closely with the system. The pizza analyst should be able to see all the orders, order details, assign delivery drivers and change the state of each order. Each change of state should update the customer. Following are the different states in this process: order received, order confirmed, pizza being cooked, pizza ready for delivery, delivery driver assigned, pizza on the way, order complete.

The customer can see only those toppings which are available to order. The pizza analyst can update the quantity of toppings available. For example, if the analyst updates the quantity as 100, it means that the topping would be available for 100 orders only. After a topping is empty, it should not be available to order.

Once the pizza is cooked the analyst should be able to assign drivers for delivery. There are limited drivers and the pizza analyst should make sure to assign drivers considering the existing orders. If the next delivery is in the same area, the delivery driver will pick up the next order as well. Orders once placed by the customer can be changed if the customer edits the order before the "order confirmed" state. Once the order is complete, a system generated invoice will be emailed to the customer.

Drivers should be able to access the online system to change the state and access the address and contact details of the customer. In addition, the pizza analyst will also send a daily summary report which includes total number of orders and total sales amount received to the owner of ACME Pizza Co.

Worksheet

Download the worksheet and upload a completed version.

[A2_Part-2_UseCases.docx](https://canvas.asu.edu/courses/195388/files/89610221?wrap=1) (<https://canvas.asu.edu/courses/195388/files/89610221?wrap=1>)

Assignment 2 Part 2: Use Case Development				
Criteria	Ratings			Pts
Outline Use Cases Completes analysis for two use cases in detail.	2 pts Full Marks	1 pts Half Marks Only one use case explained in sufficient detail.	0 pts No Marks	2 pts
Refine a Use Case Details Alternative Scenario Variation and Failure	2 pts Full Marks	1 pts Half Marks Only covers variation or failure in sufficient detail.	0 pts No Marks	2 pts
				Total Points: 4

