

Assignment 1

Due: March 10

Worth: 5 points.

How to submit: you MUST submit all your work through the blackboard in one attempt. You won't be able to submit in more than one attempt!!!. You must attach your work as a **pdf** file to your blackboard submission. If you have any comments for me, you can write in comment section.

FDU blackboard link: (<https://webcampus.fdu.edu/webapps/login/?action=relogin>)

Comments: If you have used any online resources. You MUST cite the source and you must fully understand the information you adopted. Otherwise, it is plagiarism!! I

Online Pizza shop Problem.

I would like you to develop an online pizza shop application. Your application must speed up the ordering process, reduce losses caused by misunderstandings on phone ordering, and attract new customers to the pizza shop. The pizza shop application must have the following specifications

- Customers must be able to order pizza(s).
- Customers must be able to choice pizza types (deep dish, hand tossed, pan, marinara, neapolitan, or Calzone)
- Customers must be able to choice the size of pizza (small, large, and medium)
- Customers must be able to choice topics (pepperoni, cheese, tomato, broccoli, or more)
- After customers ordered their pizza they must receive a confirmation email with the information about their order and the approximately delivery time.

The pizza shop web application must ask yours to become a members if not the application must give the option to sign in as a guest user. But the application must still keep data of guest users for 1 year.

The application must provide at least 3 payment options.

Functional Requirements

Find all the functional requirements and actors in the online pizza ordering system and represent them as use case diagrams.

Non-Functional Requirements

Write down all non-functional and pseudo requirements in the Pizza Ordering System problem statement, categorized into Usability, Reliability, Performance, Supportability, Implementation, Interface, Operation, Packaging and Legal.

Requirements

Define the requirements of the application as a list.

Scenarios

Present some typical scenarios of the system to illustrate the system usage

Use Case

Present a use case of the system to illustrate how the system functioning. See the attached image for an example.