Aleksas Murauskas 260718389

ECSE 326: Assignment #1

1. The Customer shall be able to list the last 20 orders within 5 seconds 96% of the time.
   1. This is not a good requirement. “Last 20 orders” is too vague. Is it referring to the last 20 orders the system has received, or is it the last 20 orders the current customer has sent? In addition, “The customer” is not the system therefore it should not be the noun the “shall” action refers to.
   2. *Upon request from the customer, the pizza ordering system shall list the customer’s last 20 orders within 5 seconds 96% of the time.*
2. Upon Login of a customer, the pizza ordering system shall prefill the address and phone number of the current order with the address and the phone number from the customer’s profile within one second 96% of the time
   1. This requirement is correct. It has a clear trigger from the customer, the information the system shall prefill is concise. The requirement also contains performance constraints which are unambiguous and realistic.
3. The pizza ordering system shall have two hard drives to store all information about customers.
   1. This is not a good requirement, “all information about customers” is too broad and unclear, specific inputs should be named (i.e. phone number, address, name). Also, the design choice for “two hard drives” to contain customer data is introduced prematurely. A specific design decision like storing customer data in two hard drives should be made after the requirements process.
   2. *The pizza ordering system shall store and retrieve a customer’s name, address, and phone number.*
4. The pizza system must limit the number of pizzas on one order to 10 pizzas
   1. This requirement is flawed, the way it is worded now it will only prevent the system from having an order of 11 pizzas or more, however what if the customer where to order 11 items that are not pizzas?
   2. *The pizza system shall limit the number of items on one order to 10 items.*