

Due on 6th April 2022

Given a case study

OnLine Shopping – Order Processing

- ☐ *Buying computers via Internet*
- ☐ *The computers are classified into servers, desktops and portables*
- ☐ *The customer can select a standard configuration or can build a desired configuration online*
- ☐ *To place an order, the customer must fill out the shipment and payment information (payment methods are credit cards and checks)*
- ☐ *Once the order has been entered, the system sends a configuration e-mail message to the customer with details of the order*
- ☐ *The customer can check online at any time the order status*
- ☐ *The back end order processing consists of steps needed to*
 - ☐ *verify the customer's credentials and payment method,*
 - ☐ *to request the ordered configuration from the warehouse,*
 - ☐ *to print an invoice, and request, and*
 - ☐ *to request the warehouse to ship the computer to the customer*
- ☐ *The ordered configuration is shipped to the customer together with the invoice*

Extended requirements (scenario)

- ☐ *The customer uses the manufacturer's online shopping web page to view the standard configuration of the chosen servers, desktops or portable computer. The price is also shown.*
- ☐ *The customer chooses to view the details of the configuration, perhaps with the intention of buying it as is or to build a more suitable configuration. The price for each configuration can be computed at the customer's request.*
- ☐ *The customer may choose to order the computer online or may request that the salesperson contact him/her to explain order details, negotiate the price, etc before the order is actually placed.*
- ☐ *To place the order, the customer must fill out an online form with shipment and invoice address, and with payment details (credit card or check).*
- ☐ *After the customer's order has been entered into the system, the salesperson sends an electronic request to the warehouse with details of the ordered configuration.*
- ☐ *The details of the transaction, including an order number and customer account number, are e-mailed to the customer, so that the customer can check the status of the order online.*
- ☐ *The warehouse obtains the invoice from the salesperson and ships the computer to the customer.*

Part 1: Write down all FURPS+, let say at least 5 functional requirements, 3 Domain requirements, 3 user requirements , 2 business Constraints , 2 business rules, 2 Usability requirements , 2 Reliability requirements , 2 performance requirements , 2 specification requirements , hardware requirements and other requirements if any.

Part 2: Write kind of requirements from all possible Sources of Requirements.

Stakeholders

- ☐ Pre-Existing System

- ☐ Pre-Existing Documentation
- ☐ Competing System
- ☐ Interfacing System
- ☐ Legislation

Part 3: Make following Scope representation diagram

- ☐ Context Diagram
- ☐ Ecosystem
- ☐ Feature Tree
- ☐ Event list