SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY BIONFORMATICS DEPARTMENT

FALL 2020

BIOINFORMATICS SOFTWARE DEVELOPMENT (BI-402) Assignment 2

Semester: VIII Batch: 2017
Due Date: 10-Aug-2020 Max Marks: 2

Instructions:

• Attempt all questions

Question #1: (0.5 Marks)

A Company decides to develop a website, which lets people buy and sell their software applications. This company works as negotiator between buyers and sellers and takes commission for the service. The company aims to develop this website user friendly.

You are required to study this idea deeply and prepare Functional and non-functional Requirement specification of placing online order module.

Note: Before writing this functional and non-functional specification, try to understand the domain carefully going through some websites where online order placing is done.

Question #2: (0.5 Marks)

Scenario:

The Pizza Ordering System The Pizza Ordering System allows the user of a web browser to order pizza for home delivery. To place an order, a shopper searches to find items to purchase, adds items one at a time to a shopping cart, and possibly searches again for more items.

When all items have been chosen, the shopper provides a delivery address. If not paying with cash, the shopper also provides credit card information.

The system has an option for shoppers to register with the pizza shop. They can then save their name and address information, so that they do not have to enter this information every time that they place an order.

Develop a use case diagram, for a use case for placing an order, PlaceOrder. The use case should show a relationship to two previously specified use cases, IdentifyCustomer, which allows a user to register and log in, and PaybyCredit, which models credit card payments.

Question #3: (0.5 Marks)

Scenario:

- Consider a mail order company that distributes CDs and tapes at discount prices to its members.
- When an order processing clerk receives an order form, she verifies that the sender is a member by checking the MEMBER FILE.
- If the sender is not a member, the clerk returns the order along with a membership application form.
- If the customer is a member, the clerk verifies the order item data by checking the ITEM FILE
- Then the clerk enters the order data and saves it to the DAIILY ORDERS FILE.
- At the same time the clerk also prints an invoice and shipping list for each order, which are forwarded to the ORDER FULFILLMENT DEPARTMENT for processing there.

Develop the Context Level DFD and DFD Level 0 Diagram for the above scenario.

Question #4: (0.5 Marks)

Scenario:

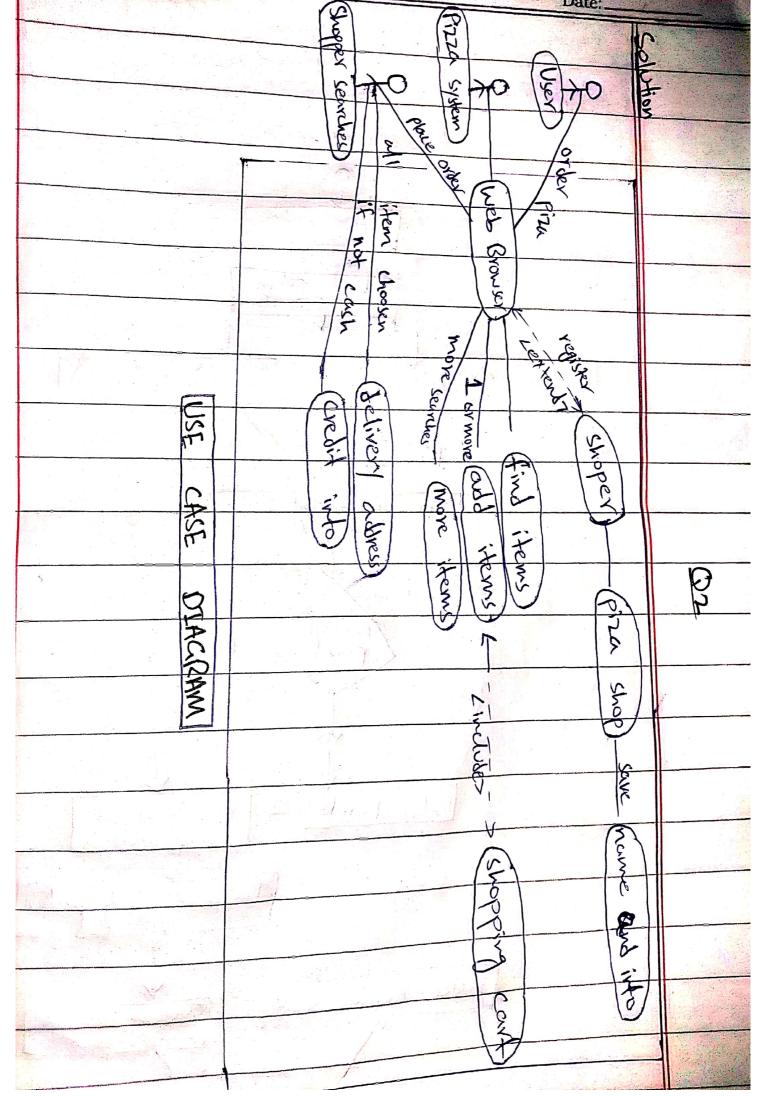
The case study is about the process of reserving a flight. First, you enter the dates. Once you submit your desired flight plan, you can enter your personal information and at the same time the system could be searching availability. The system flow then joins back into one and you can select the specific flight on the dates you want to fly. After this in the system there are two different paths dependent on whether you are using reward points. In case of reward points you have to enter points and at the same time the system holds your reservation. After that payment information is entered, the system performs two processes at the same time. One is the system marks seat as taken and the other is the system processes payment. The system after that sends out a confirmation email.

Develop the Activity diagram of above scenario.

*****Best	of L	uck***********
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	ASSIGNMENT 2 Q4
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Fruit	and Requirements of Online website
-> Provide	Username and real name
-> Provid	e password details
->. The	web application shall
accept	customer orders.
-> The	web application shall
	able to cash a
sale	
-> The	web application shall
	a recipt detailing
<u> </u>	customers purchase
	ation, items purchased, cost at
each	item and total cost.
-> The	web application shall be
able	to produce weekly.
month	ly and yearly reports
about	

	Date:
	Non-Functional Requirments of Online Wobsite
->	The web application shall
	be pary to use by all
	employees including sales
	representatives and managers.
	The web application shall
A 10-61	be avoidable in several
	languages. The web application shall
	allow serval sales to make
	at the same time
-	without downgrating performance



OFO context	Diagram
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Customer order form Mail Application ordering form System	Invoice & Order Shipping list Processing Department
23/3/00	
020	
OFO Level 81	. Lagram
CUSTOMER Order forms	Verily
Application form	Member
	Member Into Member File
	2.07 Enter date
Validation Order	- Verity Edem Into Idem File
	Item verifies the order
Daily Order	Volidated Order
	Print Invoice
	and Shipping
	Ivoice & Order
	shippig list Processing pepertment

