BRAC UNIVERSITY
Department of Computer Science and Engineering

Examination: Quiz 3 | Semester: Fall 2022
Duration: 35minutes | Full Marks: 15

CSE 471: System Analysis and Design

Name:	**ID:**	**Section:**

1 CO1	Customer input his/her details to create new customer process. This process store those information in customer file and send membership card to the customer. Customer can request for video. Upon receiving this data, loan of video process gather customer information from customer file and update video stock data store. this process also collect overdue data from video stock data store and notify the customer. Admin can enter new video details to video stock through add new video process which also order new videos to the supplier. Supplier can add new video information to video store data store. Finally customer can pay through payment process. payment process collect customer information and video stock information from the datastores. **Design** a Data flow diagram for the following scenario. Also find error in the diagram.	6

2 CO1	You need to **design a component diagram** which is the view of the internal structure of three related subsystems - WebStore, Warehouses, and Accounting. WebStore subsystem contains three components related to online shopping - Search Engine, Shopping Cart, and Authentication. Search Engine component allows to search or browse items by exposing provided interface Product Search and uses required interface Search Inventory provided by Inventory component. Shopping Cart component uses Manage Orders interface provided by Orders component during checkout. Authentication component allows customers to create account, login, or logout and binds customer to some account. Accounting subsystem provides two interfaces - Manage Orders and Manage Customers. Delegation connectors link these external contracts of the subsystem to the realization of the contracts by Orders and Customers components. Warehouses subsystem provides two interfaces Search Inventory and Manage Inventory used by other subsystems and wired through dependencies.	9