**for the following systems :**

Answer the following questions:

* How many actors are there ? and who are they ?
* Draw the Use case diagram for the system.

1. In a popular Riyadh restaurant, the following system is required to speed up preparation of meals. Each waiter is assigned a group of tables, after taking orders for a table the waiter enters the orders taken from the customer into the system at the PC. The waiter usually knows of any dishes that are unavailable before taking an order but occasionally one of the specials will sell out. The system must confirm the availability of dishes. If an item is not available, the system must allow the waiter to change a customer order. Dishes to be prepared are sent to the kitchen.

Kitchen staff sees the orders on their screen, prepare them confirm preparation to the system when complete.

When a waiter sees the completion sign he collects the items and takes them to the table. The waiter can also check on the status of order. At the end of the meal the waiter will have the system print a bill, and he will enter the details of payment for it. The manager can give discounts.

The system keeps track of the numbers of customers served by each waiter and the amount of money taken by each waiter. The manager can view these statistics.

1. A POS (Point-Of-Sale) system is a computer system typically used to manage the sales in retail stores. It includes hardware components such as a computer, a bar code scanner, a printer and also software to manage the operation of the store.

The most basic function of a POS system is to handle sales. When a customer arrives at a POS counter with goods to purchase, the cashier will start a new sale transaction. When the barcode of a good is read by the POS system, it will retrieve the name and price of this good from the backend catalog system and interact with inventory system to deduce the stock amount of this good. When the sale transaction is over, the customer can pay in cash, credit card or even check. After the payment is successful, a receipt will be printed. Note that for promotion, the store frequently issue gift coupons. The customer can use the coupons for a better price when purchasing goods.

Another function of a POS system is to handle returns…

A user must log in to use the POS. The users of a POS system are the employees of the store including cashiers and the administrator. The administrator can access the system management functions of the POS system including user management and security configuration that cashiers can’t do.