Task01

Design a sequence diagram on following scenario.

a. Let's suppose university management decide to delete a particular course from course hierarchy. For that registrar invoke a delete request to course relational manager with proper course title, Course relational manager find the course from the and delete the course with the same name.

b. When ever order is dispatched, order will send to different distributor, there are many distributor (regular, wholesaler). If amount of dispatched order more then 10,000, then is it will be sent to wholesaler, rather then it will be sent to regular distributor. This criteria will be implement to every incoming dispatch order. Might be after successful dispatching order will send confirmation to the messenger .

Task 02

Design a sequence Diagram on following scenario

Airline reservation systems (**ARS**) are part of the so-called passenger service systems (PSS), which are applications supporting the direct contact with the passenger.

Consider an Airline Ticket Booking system.

User first create a account from web interface, web interface send the details to Booking Controller, they will check the user's entered details, after that details will be added in Airline Booking-DB and account creation message will be display to user.

After Registration user will send the the request of login to web interface web interface send the request to controller, they will check from existing database. After checking Database send confirmation to controller of successful login. Now controller will display the option of "select your Booking ", user will enter the date and location and click on search, web interface will send the request to controller to find the route(date, location),database   will   check   it self route details   and send to the user with "DisplayRouteDetails", user will select the seat and Book the

seat, "BookDetails" send to controller, controller verify the Booking details it self and send to database. At the controller will show the confirmation message to interface and interface display the successful pop-up of confirmed Booking.

Task 03

Mobile app ordering built for your easiness. Putting business back in control of **app ordering** services. customers can **order** directly from **online** app.

There is online mobile application for purchasing mobile devices.

Customer will create an account, and system will send confirmation of successful registration. Then customer will login and search the mobile phones, system will send search result. System will show three option,

First user can add selected device into cart, When user add item into cart and click on place order then system will show bill with tax, after the user will confirm the order. System will show payment option, user select the way of payment, card or cash on delivery.

second option is user can view specification of particular phone.

Last option user can sell their own product. For the selling the item system will request to upload the details about selling product

1. *create system sequence diagram*
2. *use opt () alt() combined fragment*

Task 04

E-Services Portal is the front door to Directorate General of Immigration and Passports for online service for Pakistani citizens around the world.

If you are now ready to apply online.

The first step is, user will register in to application, and user required confirmation of registration from system for processing the further steps.

System will ask for visa selection, user will select the visa category along with user will fill the details and submit the form, system will verify the details and sent acknowledgement to user. System request to upload the documents, system will verify the documents its self. For final step customer generate voucher for fee pay and submit the form , system will send the confirmation message to user

1. *Create Communication diagram*