

NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES

CS3005-Software Design & Architecture Lab

LAB Instructors: Sobia Iftikhar “Sobia.iftikhar@nu.edu.pk”

Lab 08

Task 01

Create an activity diagram from given scenario.

Lets say Food manufacturing company and decide to come on board for starting taking order from market/customer. Generally, order process depends on 4 different objects, customer, order, Accounting and shipper. All these play an important roll to full fill the smooth output of order processing. Customer needs to login to place the order but if customer does not have register account, then system will generate exception named as “account not found” then customer needs to register first then login to system,

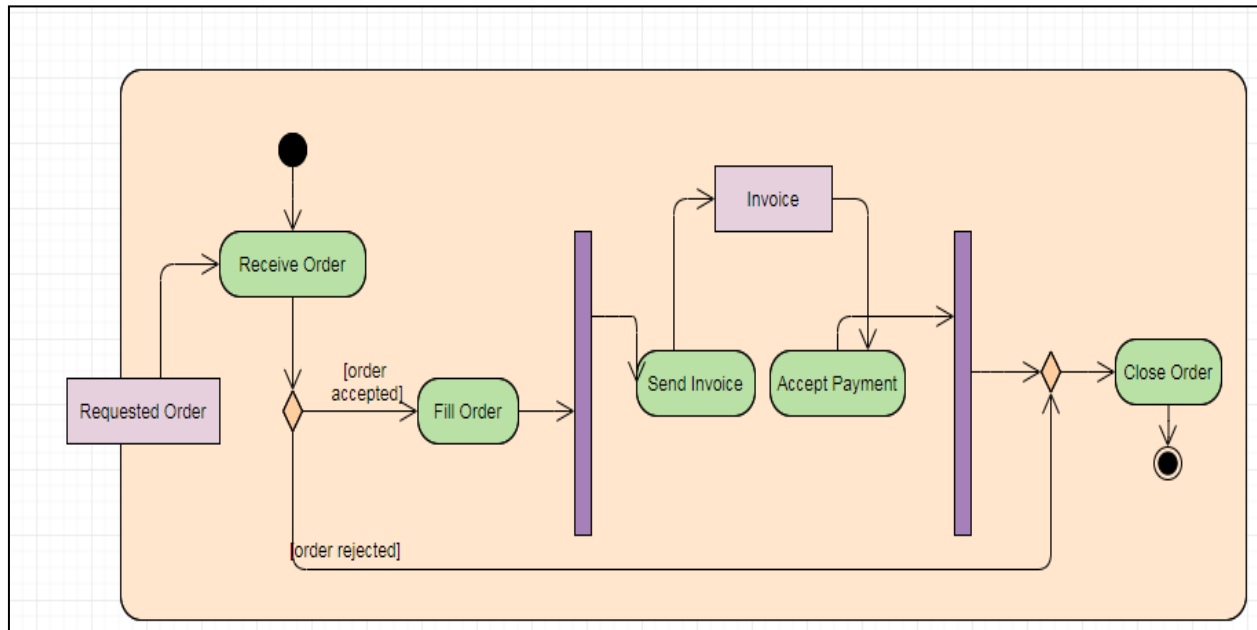
After that Customers are place the order initially after this activity, request forward in two directions in parallely, customer get confirmation named as “receive confirmation” and second request “take order “goes to order class, order class will sent the request to accounting class for “process order” after processing accounting class send request to shipper for packaging named as “pack in box”, after packing shipper class send back to accounting class for order recording named as “Record Shipping ” ,after that accounting department give order to shipper to “ship the order”, customer will receive the order and pay the bill, shipper send the confirmation to accounting department for successfully order dispatch and accounting class close the order.

Task 03

An article or piece is a written work published in a print or electronic medium. It may be for the purpose of propagating news, research results, academic analysis, or debate. For publishing the articles there is some certain steps to follow first you have to select the topic the write the sufficient content after that, get approval for publishing the articles. if articles get approval then it will be publish other wise it system will reject the denies the article . Draw the activity diagram and identify the expansion region.

Task 03

Write a java code from activity diagram.



Task 04

Create a activity diagram First then, Write a java code on it. Gym Master is gym software designed to make it easy to maintain detailed records of your members and their memberships, book classes and trainers, process and track sales, and communicate en mass with the right members at the right time. There is gym management system in Harvard University, a user who want to avail the gym services, he or she have to register herself after registration he can login with email and password. If registration get failed due to wrong email id, system must generate a exception , after success full login he have to add gym timings , name , age , current weight, after getting all the details system will ask for advance payment through card. If customer enter the payment then system will send confirmation email and send a 4 digit code , that will used for gym entrance.

