

BCSL-034 solved assignment july 2017- january 2018 session

1. A Courier Company requires a computerized system to automate its front office operations that support the following functionalities:

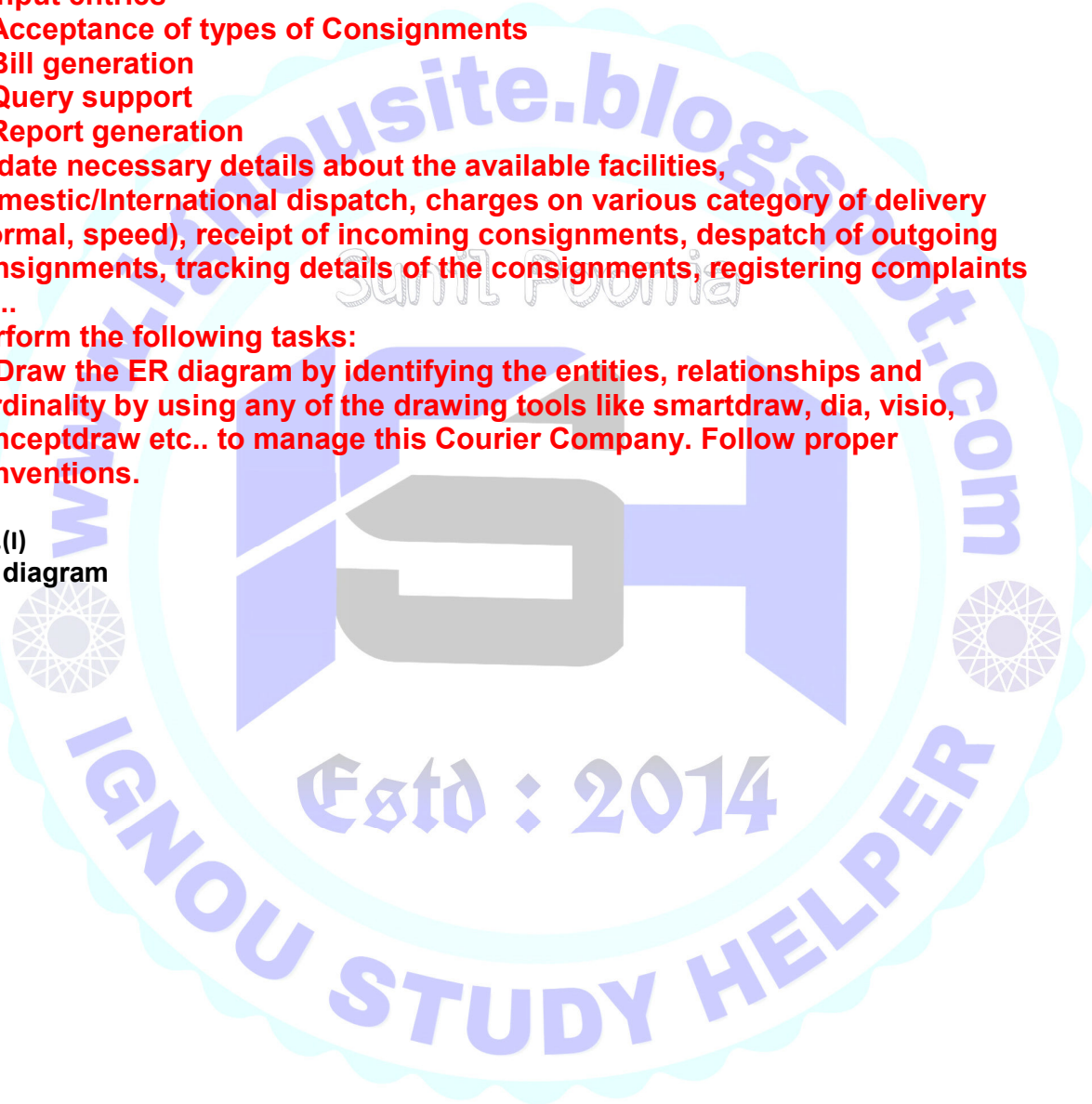
- Input entries
- Acceptance of types of Consignments
- Bill generation
- Query support
- Report generation

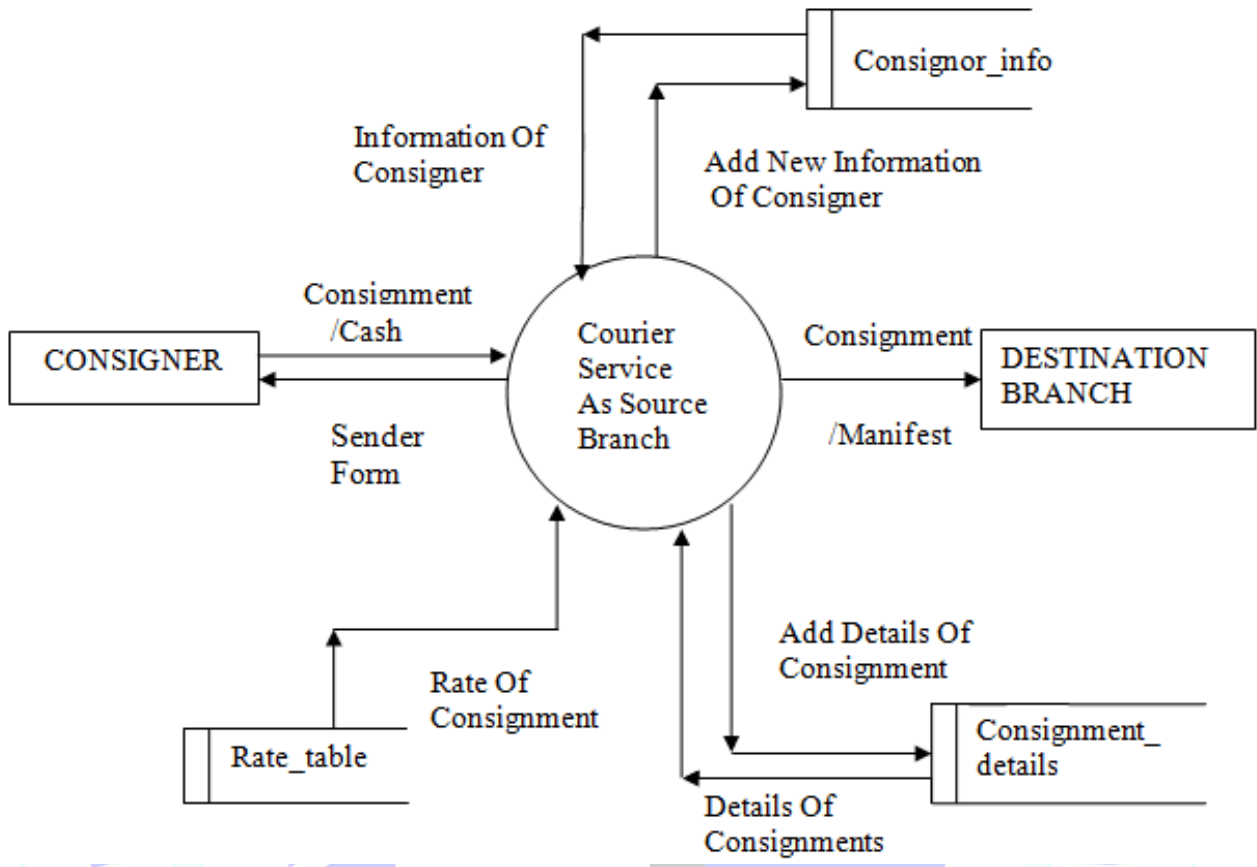
Update necessary details about the available facilities, Domestic/International dispatch, charges on various category of delivery (normal, speed), receipt of incoming consignments, despatch of outgoing consignments, tracking details of the consignments, registering complaints etc..

Perform the following tasks:

(i) Draw the ER diagram by identifying the entities, relationships and cardinality by using any of the drawing tools like smartdraw, dia, visio, conceptdraw etc.. to manage this Courier Company. Follow proper conventions.

A.1.(i)
ER diagram





(ii) Create suitable database to support/accommodate all the functionalities referred above. Perform Normalization till required NF and prepare Normalized tables.

Ans 1.(II)

TABLE NAME: ACCOUNT HOLDER DETAILS

PRIMARY KEY: CUSTID

FIELD NAME	DATA TYPE	SIZE	description
CUSTID	NUMBER	20	Customer id
NAME	TEXT	50	Name
PER STREET	TEXT	50	Present street
PER CITY	TEXT	50	Present city
PIN CODE	NUMBER	25	Pincode
PER STATE	TEXT	50	Present state
PER PH NO	NUMBER	20	Present phone number
OFF STREET	TEXT	50	Office street
OFF CITY	TEXT	50	Office city
OFF PIN CODE	NUMBER	25	Office pin code
OFF STATE	TEXT	50	Office state

OFF PH NO	NUMBER	25	Office phone number
E.MAIL ID	TEXT	50	Email id
BRAND NUMBER	NUMBER	20	Brand number
AMOUNT	CURRENCY	20	Amount
DATE	DATE/TIME	10	Date

TABLE NAME=NON ACOUNT HOLDER DETAILS

PRIMARY KEY: NONMEMBERID

Description

FIELD NAME	DATA TYPE	SSSSSSSIZE	
NON MEMBER ID	TEXT	55	Nonmember id
FROM NAME	TEXT	50	From name
FROM SREET	TEXT	50	From sreet
FROM CITY	TEXT	50	From city
FROM STATE	TEXT	50	From stste
PH NO	NUMBER	20	Phone number
BR/FR NO	NUMBER	20	Br /Fr number
DATE	DATE/TIME	10	Date

TABLE NAME=COURIER DETAILS

Primary key: courier id

FIELD NAME	DATA TYPE	SIZE	Description
COURIER ID	NUMBER	20	Courier id
MEM/NM ID	TEXT	50	Member nonmember id
BR/FR NO	TEXT	55	BR/ FR number
TO NAME	TEXT	50	To name
TO STREET	TEXT	50	To street
TO CITY	TEXT	50	To city
TO PIN CODE	NUMBER	20	To pin code
TO STATE	TEXT	50	To stste
TO PH NO	NUMBER	20	To phone number
DATE	DATE/TIME		Date
WEIGHT	NUMBER	20	Weight
RATE	CURRENCY	20	Rate

TABLE NAME=COURIER RETURN DETAILS

Foreign key: courier no

FIELD NAME	DATA TYPE	SIZE	Description
COURIER NO	NUMBER	20	Courier number
RETURN DATE	DATE/TIME		Return date
BRANCH NO	TEXT	20	Branch number
REASON	TEXT	50	Reason

TABLE NAME=EXPENCES DETAILS

Primary key: expensesid

FIELD NAME	DATA TYPE	SIZE	Description
expensesid	TEXT	10	expenses id
PETTY EXP	CURRENCY	20	Petty expenses
TRAVEL EXP	CURRENCY	20	Travel expenses
REPAIR EXP	CURRENCY	20	Repair expenses
E DATE	DATE/TIME	20	Expenses date

TABLE NAME=STAFF DETAILS

Primary key: staff no

FIELD NAME	DATA TYPE	SIZE	Description
STAFF NO	TEXT	55	Staff no
STAFF NAME	TEXT	50	Staff name
STREET	TEXT	50	Street
CITY	TEXT	50	City
PIN CODE	NUMBER	20	Pin code
STATE	TEXT	50	State
PH NO	NUMBER	25	Phone no
QUALIFICATION	TEXT	50	Qualification

DESIGNATION	TEXT	50	Designation
RIGHTS	TEXT	55	Rights
SALARY	CURRENCY	45	Salary

TABLE NAME=BRANCH DETAILS

FIELD NAME	DATA TYPE	SIZE	Description
BRANCH NAME	TEXT	50	Branch name
BRANCH NO	TEXT	55	Branch number
BRANCH STREET	TEXT	50	Branch street
BRANCH CITY	TEXT	55	Branch city
PIN CODE	NUMBER	20	Pin code
BRANCH STATE	TEXT	50	Branch state
BRANCH PH NO	NUMBER	20	Branch phone number
FIELD NAME	DATA TYPE	SIZE	Description
BR/FR NO	TEXT	55	br/fr no
EACH_OVER	CURRENCY	45	Each day turn over
COURIER RECEIVED	NUMBER	20	Courier received
COURIER DISPATCH	CURRENCY	25	Courier dispatch
DATE	DATE/TIME		Date

(iii) Using MS-Access, design various forms to support the front office operations such as enquiry, available facilities, types of delivery (Normal, speed etc..) and charges, pick-up facility, nearest agency, dispatch, tracking the status of the consignment, delivery of incoming consignment etc..

Ans 1. (III)

IGNOU STUDY HELPER
Estd : 2014

Delivery Details

Company Details

Company Name: **AMC** Phone: 114301010 Mobile: 917604027
 Address: 117AM7100 State & District: **Goa** City & Pin: **AMC**

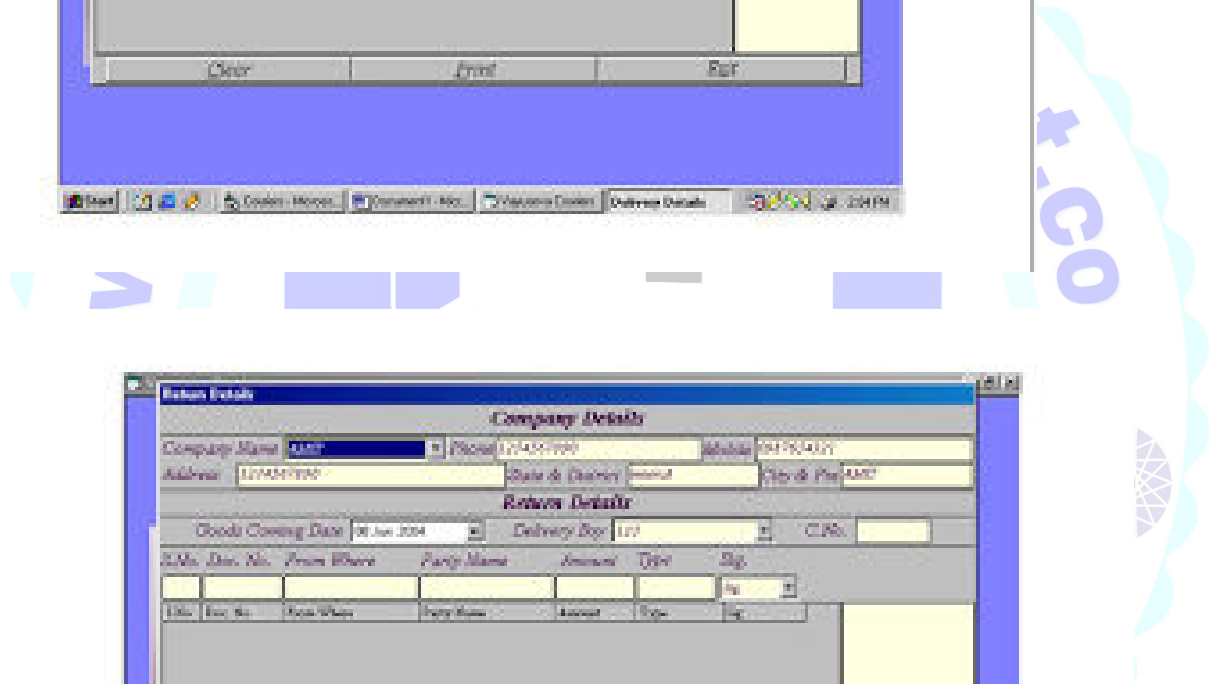
Delivery Details

Date: 16 Jun 2014 Delivery By: **117** C.No.:

S.No.	Del. No.	From Where	Party Name	Amount	Type
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Clear Print Exit

Taskbar: Start | Desktop - Monitor | Document - AM... | Viewport - Desktop | Delivery Details | 2:04 PM



Return Details

Company Details

Company Name: **AMC** Phone: 114301010 Mobile: 917604027
 Address: 117AM7100 State & District: **Goa** City & Pin: **AMC**

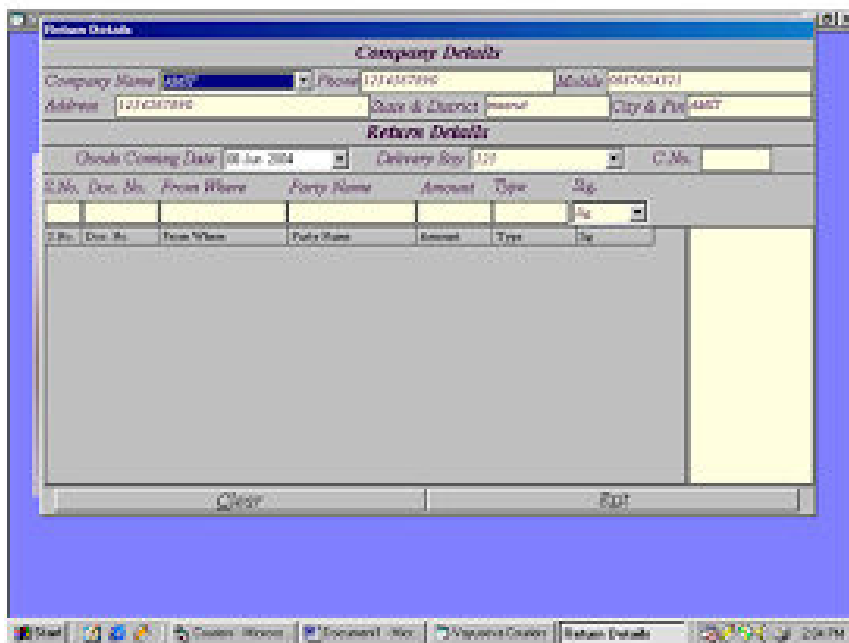
Return Details

Goods Coming Date: 16 Jun 2014 Delivery By: **117** C.No.:

S.No.	Del. No.	From Where	Party Name	Amount	Type	Qty
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

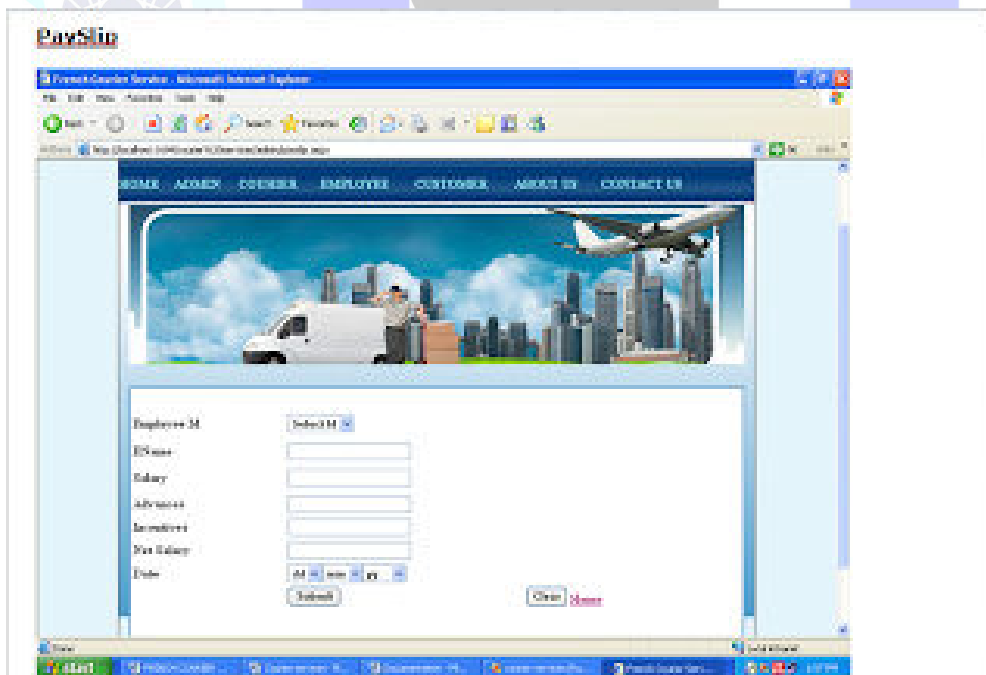
Clear Print

Taskbar: Start | Desktop - Monitor | Document - AM... | Viewport - Desktop | Return Details | 2:06 PM



(iv) Report generation like daily reports of the costumers visited on day to day basis, consolidated report on charges collected on a particular day, despatch of booked consignments, local receipt and delivery of the incoming consignments, complaints etc..

Ans 1(IV)



Courier Booking

Freight Courier Service - Microsoft Internet Explorer

http://localhost:1024/curier/BookingForm.asp

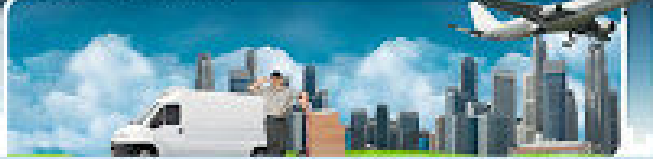
Parcel No:	<input type="text"/>	Date:	<input type="text"/>	Time:	<input type="text"/>
Sender By:	<input type="text"/>	State:	<input type="text"/>	Phone:	<input type="text"/>
	City:	<input type="text"/>	Area:	<input type="text"/>	<input type="text"/>

From Address		To Address	
Name:	<input type="text"/>	Name:	<input type="text"/>
Address:	<input type="text"/>	Address:	<input type="text"/>
Phone No.:	<input type="text"/>	Phone No.:	<input type="text"/>
Country:	<input type="text"/>	Destination:	<input type="text"/>
Weight:	<input type="text"/> kg	Amount:	<input type="text"/>

Incoming Details

Freight Courier Service - Microsoft Internet Explorer

http://localhost:1024/curier/incomingDetailsForm.asp



Incoming Details

Parcel No:	<input type="text"/>	Date:	<input type="text"/>	Time:	<input type="text"/>
Name:	<input type="text"/>	City:	<input type="text"/>	Area:	<input type="text"/>
State:	<input type="text"/>	Destination:	<input type="text"/>	Country:	<input type="text"/>

STUDY HELPER