Government College Of Engineering

Tirunelveli – 627007

2017-2018

Register No. 950815104056

CERTIFICATE

This is a bonafide record of work done by **M VASANTH ESWARAN**.....

.....

Government College Of Engineering, Tirunelveli during the year 2013-2014

STATION: TIRUNELVELI-7

DATE :

Staff-In-Charge Head of the Department

Submitted for the Anna University practical examination held at Government College Of Engineering , Tirunelveli On……..

Internal Examiner External Examiner

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Tirunelveli – 627007

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Table Of Contents

EX:NO:1	
07.07.17	**PROBLEM STATEMENT**

AIM

To develop a problem statement stating the reasons to prefer the Foreign Trading System.

PROBLEM STATEMENT

The main purpose of Foreign trading system is to import and export of goods between foreign countries.The foreign trading system maintains the details of the products,to be exported and also it maintains the list of foreign companies details which is going to import that particular product.The foreign trading system provides export to the particular product when the confirmation message has been received from the Importer.After that the product will be exported through flight,ship,courier system and so on.

RESULT

Thus the problem statement for foreign trading system was developed.

EX:NO:2

14.07.17

USECASE DIAGRAM

AIM

To draw the usecase diagram for the foreign trading system using AgroUML.

USECASE DIAGRAM

A usecase diagram is the simplest representation of a user's interaction with the system and depicting the specifications of a usecase.A usecase diagram can portray the different types of users of a system and the various ways that they interact with the system.

ACTORS

An actor portrays any entity that performs certain roles in system.An agent in an usecase diagram interacts with usecase.

USECASE

A description set of sequence of actions including variations that system performs yields on observable results of value.

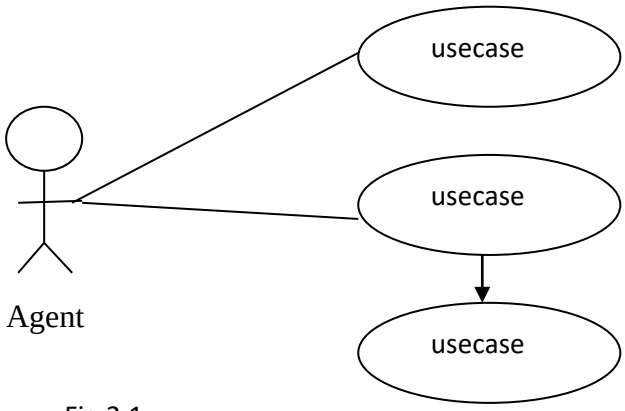


Fig:2.1

ACTORS

Actors are the users of a system. When one system is the actor of another system,

Lable the actor system with the actor stereotype.

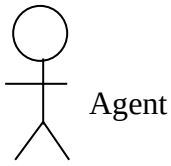


Fig:2.3

USECASE DIAGRAM

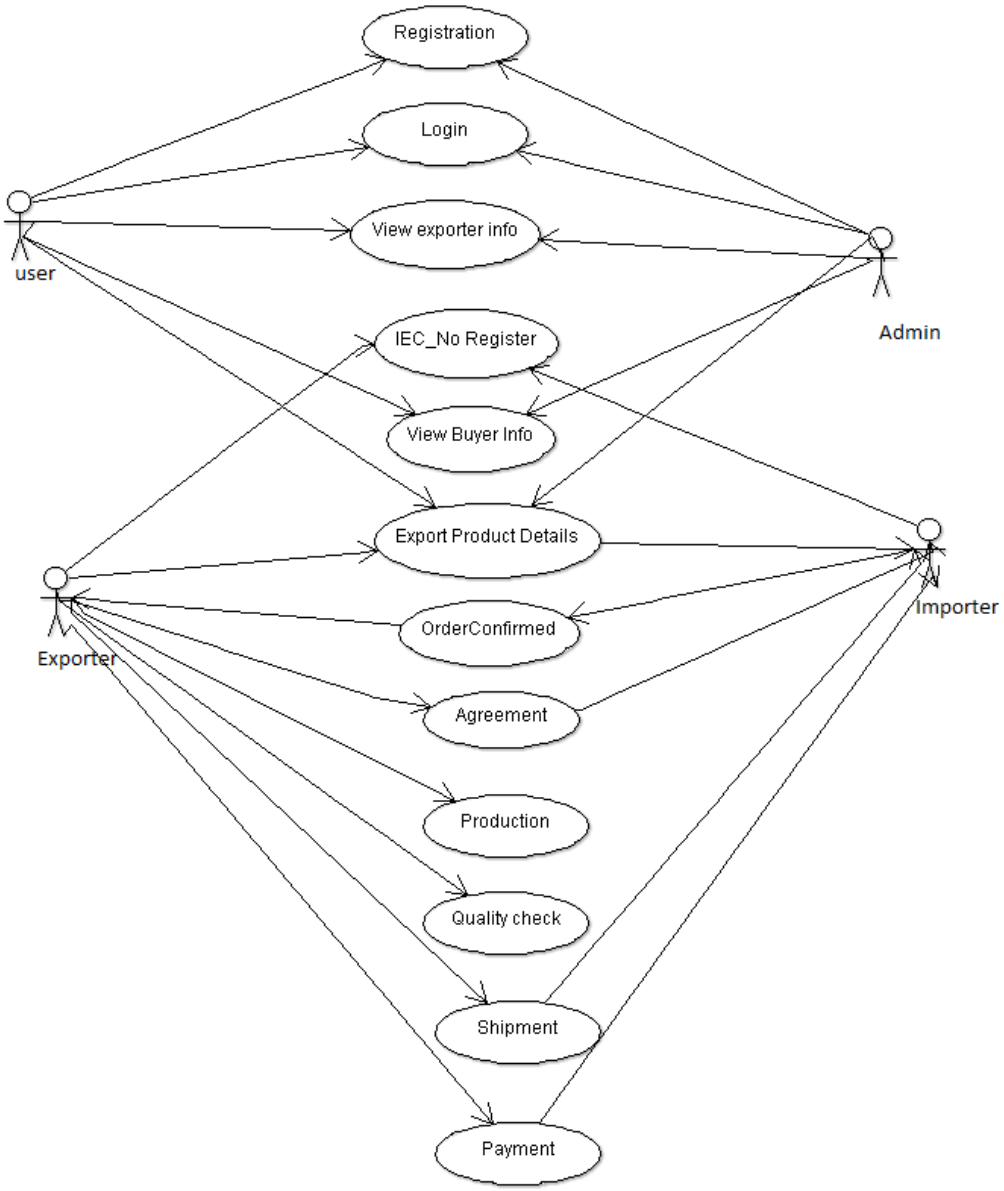


Fig:2.3

DESCRIPTION

It involves submitting of user details like username,password,mobile number and bank account number which is the first state of the system.The user login to the system to view the exporter information which is the second state of the system.Individual and business firms intending to export and/or import goods and/or services should obtain an Importer Exporter Code from the regional licensing authorities.Offer is a proposal

submitted by an exporter expressing his intention to export specific price with specific terms and conditions.The exporting house after obtaining a confirmed order should produce the goods exactly as specified in the form.The exporter transports the goods to the importer through ship,flight,courier and so on.Finally the exporter gets the payment for the goods that is exported.

RESULT

The use case diagram for the foreign trading system using AgroUML was executed and the output was verified.

EX:NO:3	
21.07.17	**CLASS DIAGRAM**

AIM

To draw the class diagram for foreign trading system using AgroUML .

CLASS DIAGRAM

A class diagram is a type of static structure diagram that describes the structure of a system. The classes in the class diagram represent both the main objects and or interaction in the application.A class is drawn as rectangle box with three compartments or components separated by horizontal lines.The top compartment holds the class name and the middle compartment holds the attribute and the bottom compartment holds list of operations.

BASIC CLASS DIAGRAM SYMBOLS AND NOTATIONS

Classes represent an abstraction of entities with common characteristics.Associations represent the relationships between classes. Illustrate classes with rectangles divided into compartments.Place the name of the class in the first partition, list the attributes in the second partition and write operations into the third.

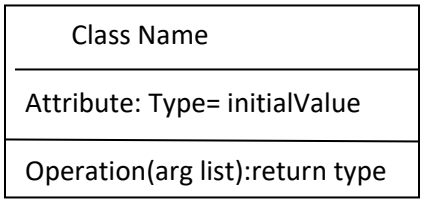


Fig:3.1

ACTIVE CLASS

Active classes initiate and control the flow of activity,while passive classes store data and serve other classes. Illustrate active classes with a thicker border.

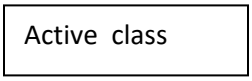


Fig:3.2

VISIBILITY

Use visibility markers to signify who can access the information contained within a class.Private visibility hides information from anything outside the class partition.Public visibility allows all other classes to view the marked information .Protected visibility allows child classes to access information they inherited from a parent class.

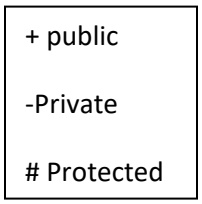


Fig:3.3

ASSOCIATIONS

Associations represent static relationships between classes.Place association names above ,on,or below the association line.Use a filled arrow to indicate the direction of the relationship.Place roles near the end of an association.Roles represent way the two classes see each other.

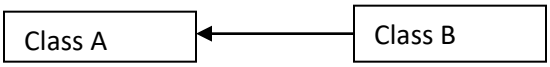


Fig:3.4

MULTIPLICITY(CARDINALITY)

Place multiplicity notations near the ends of an association.These symbols indicate the number of instances of one class linked to one instance of the other class.For example, one company will have one or more employee works for one company.

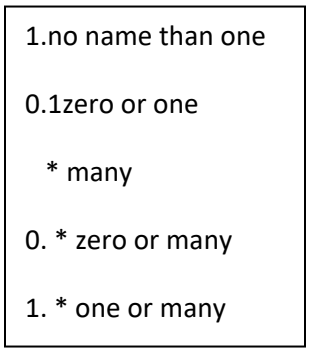


Fig:3.5

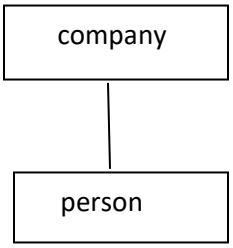


Fig:3.6

CLASS DIAGRAM

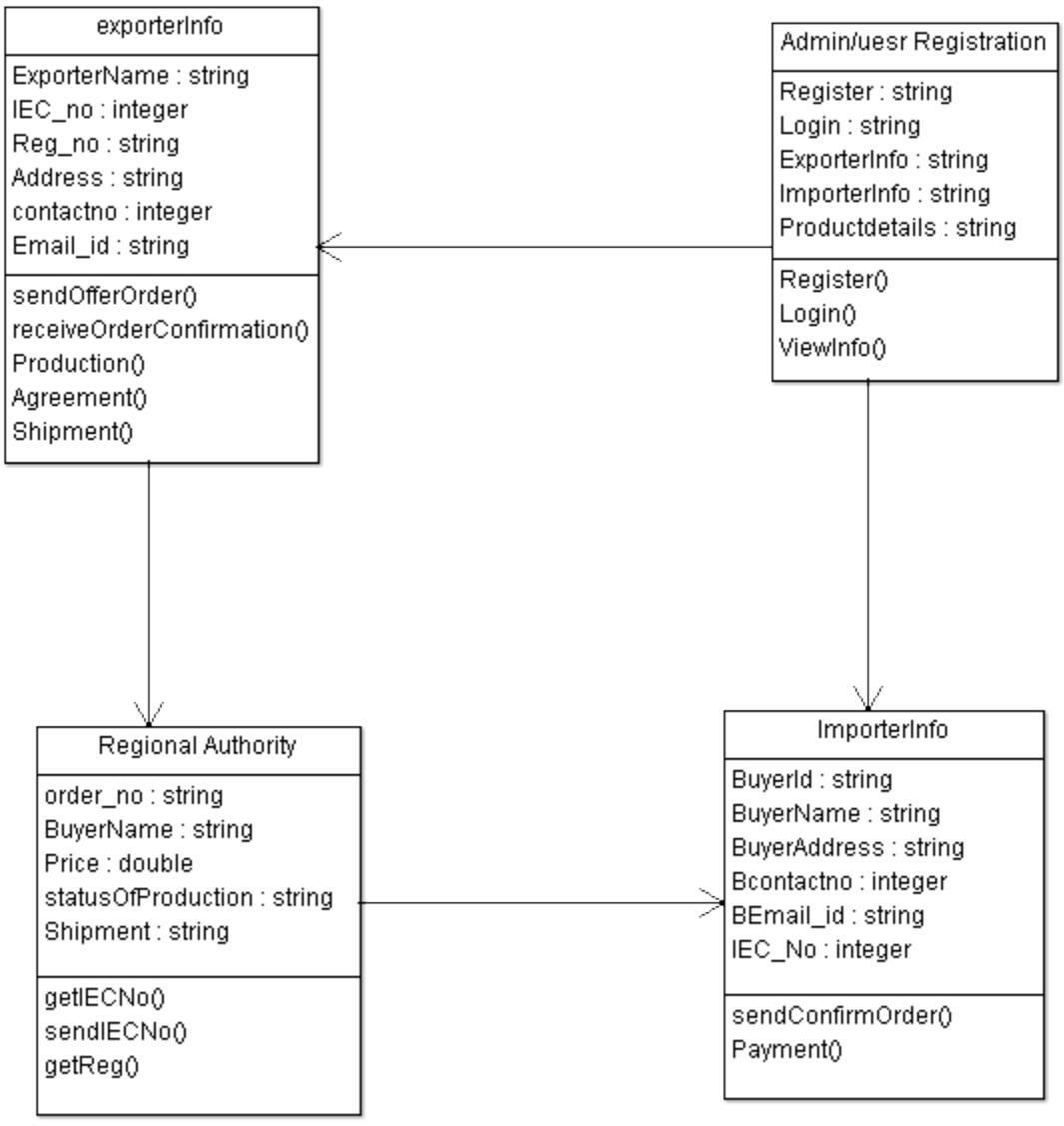


Fig:3.7

DESCRIPTION

It consists of six attributes and five operations,The attributes are Exportername,IEC_NO,Reg_no,address,contactno,Email_id.The operations of this class are sendOfferOrder(),receiveOrderConfirmation(),Production(),Agreement() and Shipment().IEC is

a 10 digit number granted by directorate general of foreign trade under ministry of commerce to bonafide any company carrying out import/export.The user login in to the system to get registered.The login details include username and password.By logging into the system user can view the product details and can place the order.Individual and business firms intending to export and/or import goods and/or services should obtain an Importer Exporter Code from the regional licensing authorities.Importer sends the confirmation letter to the Exporter for the particular goods and finally makes the payment for the goods that is exported.

RESULT

Thus the class diagram for foreign trading system using AgroUML was executed and the output was verified.

EX:NO:4 28.07.17	SEQUENCE DIAGRAM

AIM

To draw sequence diagram for Foreign Trading System using Agro UML.

SEQUENCE DIAGRAM

Sequence diagram describes interactions among classes in terms of an exchange of messages overtime sequence diagram are models that describe how a group of object execute in some sequence typically a single usecase.The diagrams shows a number of example objects and the messages that are passed between these object within the usecase.

BASIC SEQUENCE DIAGRAM SYMBOLS AND NOTATIONS

CLASS ROLES

Class roles describes the way an object will behave in context.Use the UML object symbol to illustrate class roles but don't list object attributes.

Fig:4.1

ACTIVATION

Activation boxes represent the time an object needs to complete a task.

Fig:4.2

MESSAGES

Messages are arrows that represents communication between objects. Use half-arrowed lines to represent asynchronous messages.

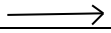
Arrow	Message type
	Simple
	Synchronous
	Asynchronous
	Balking
	Timeout

Fig:4.3

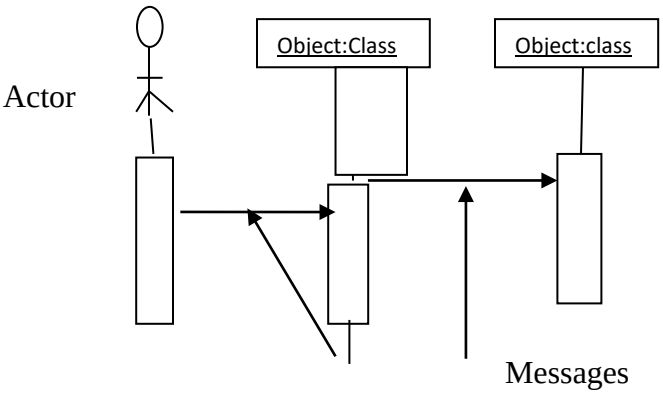


Fig:4.4

SELF MESSAGE

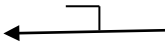


Fig:4.5

It is a kind of message that represents the invocation of message of same lifeline.

SEQUENCE DIAGRAM

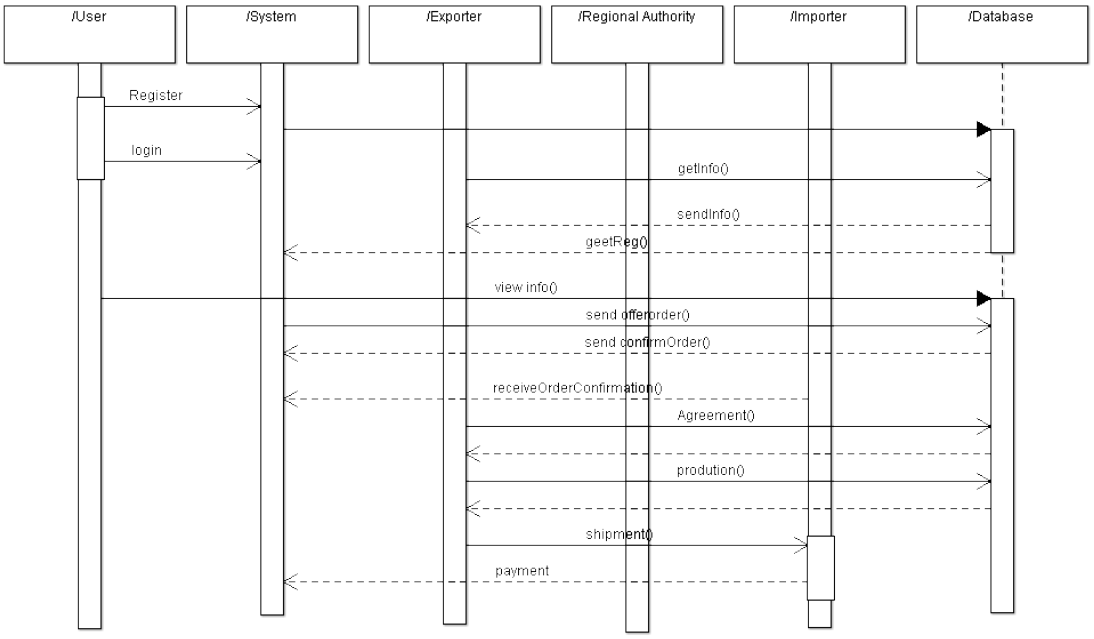


Fig:4.6

DESCRIPTION

Sequence diagram can capture most of the information about the system.It is also represented by the order in which things occur and how the objects in the system send message to one another.Individual and business firms intending to export and/or import goods and/or services should obtain IEC from the regional licensing authorities.Offer is a proposal submitted by an exporter expressing his intension to export specific goods at a specific price with specific terms and conditions.The exporting house after obtaining a confirmed order should produce the goods exactly as specified in the order.The exporter transports the goods to the buyer.The exporter submits the relevant documents to his buyer for getting the payment for the goods exported.

RESULT

Thus the sequence diagram for foreign trading system using ArgoUML was executed and the output was verified.

EX:NO:5

04.08.17

STATECHART DIAGRAM

AIM

To draw the state chart diagram for Foreign Trading System using AgroUML.

STATE CHART DIAGRAM

State chart diagram describes the flow of control from one state to another state.They define different states of an object during its lifetime.States are defined as a condition in which an object exists and it changes when some event is triggered.Reactive systems can be defined as a system that responds to external or internal events.

The main purpose of using state chart diagram is

- To model dynamic aspect of a system.
- To model life time of a reactive system.
- To describe different states of an object during its lifetime.
- Define a state machine to model states of an object**.**

BASIC STATECHART DIAGRAM SYMBOLS AND NOTATIONS

A solid arrow represents the path between different states of an object.Label the transition with the event that triggered it and the action that results from it.

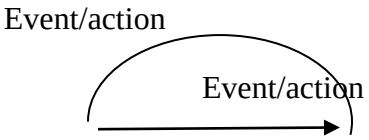


Fig:5.1

INITIAL STATE

A filled circle followed by an arrow represents the object's initial state.

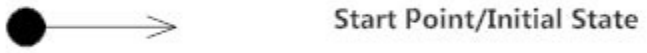


Fig:5.2

FINAL STATE

An arrow pointing to a filled circle nested inside another circle represents the object's final state.

Fig:5.3

STATECHART DIAGRAM

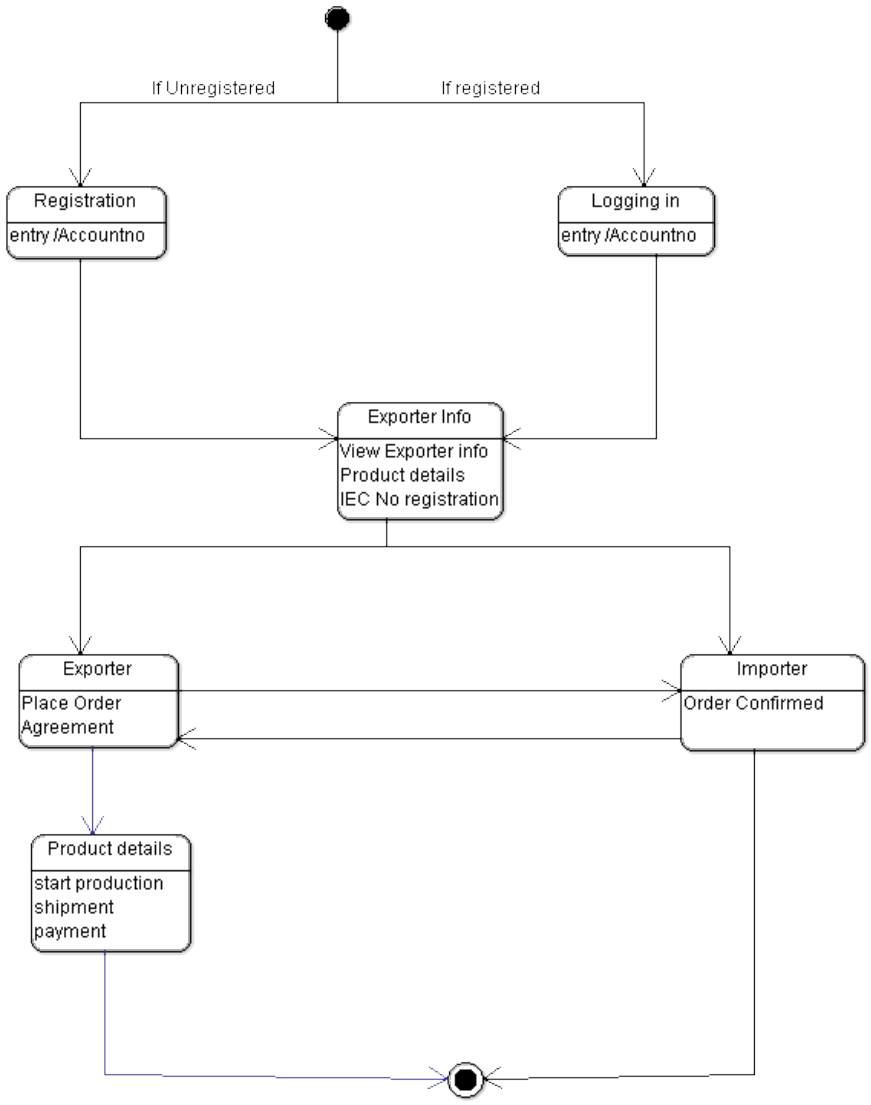


Fig:5.4

DESCRIPTION

It involves submitting of user details like username, password,mobile number and bank account number which is the first state of the system.The user login to the system to view the exporter information which is the second state of the system.Individual and business firms intending to export and/or import goods and/or services should obtain an Importer Exporter Code from the regional licensing authorities.Offer is a proposal submitted by an exporter expressing his intention to export specific price with specific terms and conditions.The exporting house after obtaining a confirmed order should produce the goods exactly as specified in the form.The exporter transports the goods to the importer through ship,flight,courier and so on.Finally the exporter gets the payment for the goods that is exported.

RESULT

The state chart diagram for the foreign trading system using AgroUML was executed and the output was verified.

EX:NO:6
11.08.17

ACTIVITY DIAGRAM

AIM

To draw the system using activity diagram for the foreign trading Agro UML.

ACTIVITY DIAGRAM

Activity diagram are graphical representations of stepwise activities and actions with support for choice,iteration and concurrency.In the UML,activity diagrams are intended to model both computational and organizational process(ie.workflows).Activity diagrams show the overall flow of control.

BASIC ACTIVITY DIAGRAM SYMBOLS AND NOTATIONS

ACTION STATES

Action states represent the non-interruptible action of object.

Fig:6.1

ACTION FLOW

Action flow illustrate the relationships among action states.

Fig:6.2

OBJECT FLOW

Object flow refers to the creation and modification of objects by activities.An object flow arrow from an action to an object means that the action creates or influences the object.An object flow arrow from an object to an action indicates that the action state uses the object.

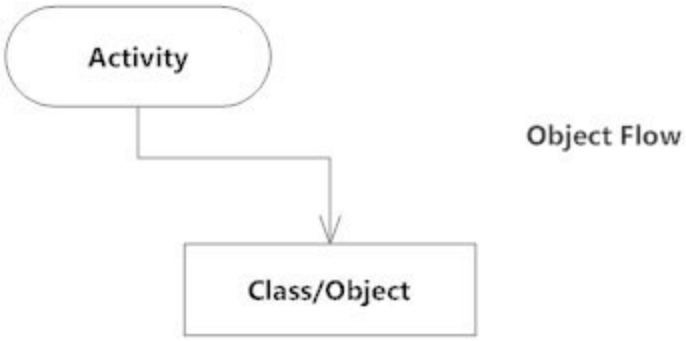


Fig:6.3

INTIAL STATE

A filled circle followed by an arrow represents the intial action state.

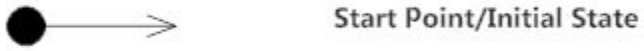


Fig:6.4

FINAL STATE

An arrow pointing to a filled circle nested inside another circle represents the final action state.

Fig:6.5

DECISIONS AND BRANCHING

A diamond represents a decision with alternatepaths.The outgoing alternates should be labeled with a condition or guard expression.you can also label one of the paths “else”.

Fig:6.6

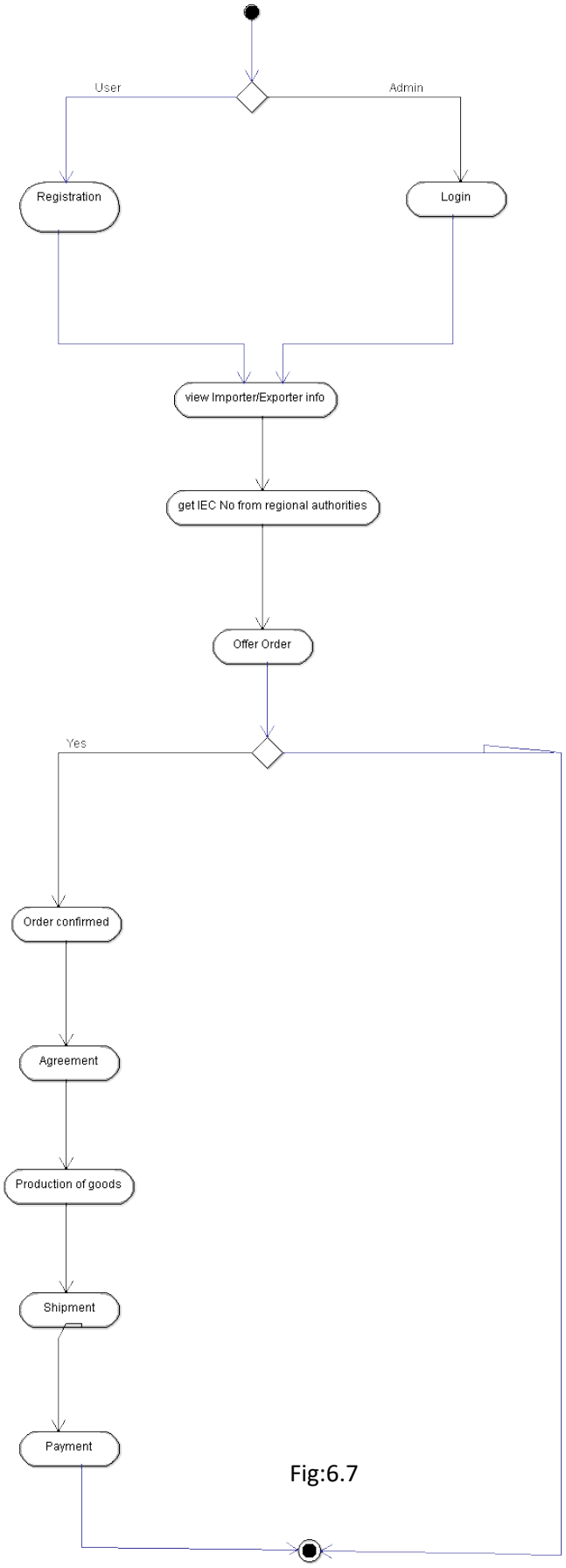

User
Admin
Registration
Login
view Importer/Exporter info
get IEC No from regional authorities
Offer Order
Yes
Order confirmed
Agreement
Production of goods
Shipment
Payment

Fig:6.7

DESCRIPTION

It involves submitting of user details like username,password,mobile number and account number which is the first state of the system.The user login into the system to view the exporter information which is the second state of the system.and business firms intending to export and/or import goods and/or services should obtain an importer exporter code from the regional licensing authorities.Offer is a proposal submitted by an exporter expressing his intension to export specific goods at a specific price with specific terms and conditions.The exporting house after obtaining a confirmed order should produce the goods exactly as specified in the form.The exporter transports the goods to the importer through ship,flight etc.Finally the exporter gets the payment for the goods that is exported.

RESULT

Thus the activity diagram for foreign trading system was executed and the output was verified.

EX:NO:7	PACKAGE DIAGRAM
25.08.17	

AIM

To draw the package diagram for the foreign trading system using Agro UML .

PACKAGE DIAGRAM

Package diagrams organize the elements of a system into related groups to minimize dependencies among them.The entire system can be thought as a single high level package with all the UML diagrams organized within it.A package may contain both subordinate package and ordinary model elements.All UML models and diagrams are organized into package.Packages appear as rectangles with small tabs at the top.The package name is on the tab or inside the rectangle.The dotted arrows are dependencies.One package depends on another if changes in the order could possibly force changes in the first.

There are three types of layers.They are,

- User Interface Layer
- Domain Layer
- Technical Services Layer

USER INTERFACE LAYER

This layer provides the user interface within a composite application.

DOMAIN LAYER

A domain layer also known as the business logic layer(BLL) is a software engineering practice of compartmentalizing.It separates the business logic from other modules such as the data access layer and user interface.

TECHNICAL SERVICES LAYER

Technical services subsystems that support low level functions such as interfacing with a database,external hardware or error logging.In strict layering a layer only calls upon services in the layer directly below it.

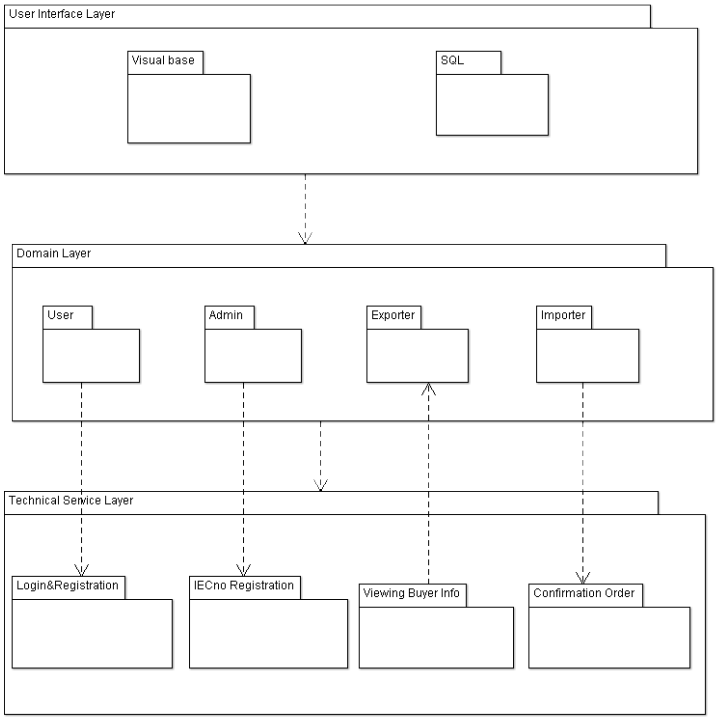


Fig:7.1

DESCRIPTION

Visual basic is the front end used to get the information using forms and SQL is the back end user for data storage.The authenticated user can only login to the system.Admin can login to the system and get the importer,exporter code from regional authorities.Exporter login to the system to view the importer information and place the order to the importer.Importer enter into the system and view the information about the exporter and their product details and sent the confirmation message to the exporter.The user login into the system to view the exporter information which is the second state of the system.It involves submitting of user details like username,password,mobile number and bank account number which is the first state of the system.Individuals and business firms intending to export and/or import goods and/or services should obtain an importer exporter code from the regional licensing authorities.The user view the information about the buyers such as buyer name,address,email-id,contact no etc.It includes list of items.They are buyer name,order no,description of goods, price,condition of sale,payment terms.

RESULT

Thus the package diagram for foreign trading system was executed and the output was verified.

EX.NO:8	USER INTERFACE LAYER
01.09.17	

AIM

To implement the User Interface Layerfor Foreign trading system using visual basic6.0.

DESCRIPTION

A user interface is the system by which people (users) interact with a machine. The user interface includes hardware (physical) and software (logical) components. User interfaces exist for various systems, and provide a means of: Input, allowing the users to manipulate a system. Output, allowing the system to indicate the effects of the users' manipulation.

FORMS

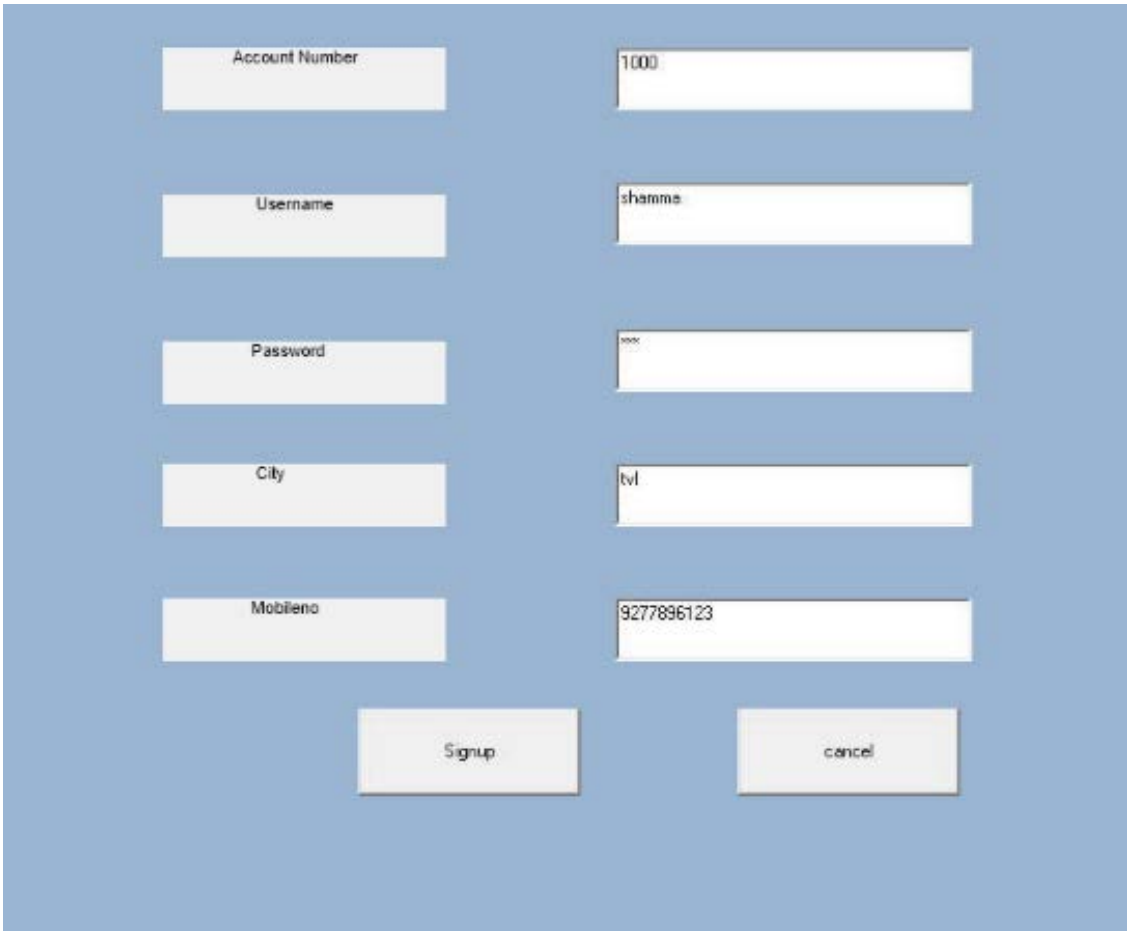
HOME PAGE

CODING

```
Private Sub Login_Click()
Me.Hide
fLogin.Show
End Sub
```

```
Private Sub Signup_Click()
Me.Hide
fsignup.Show
End Sub
```

SIGN UP FORM

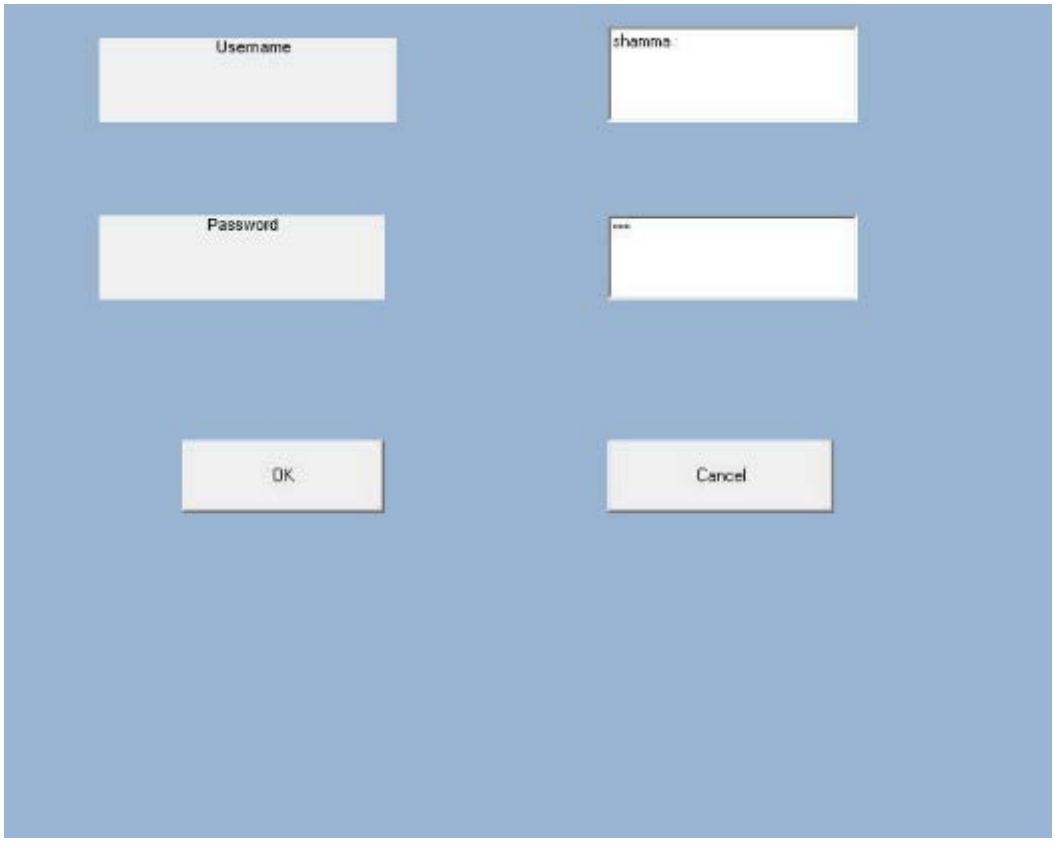


CODING

```
Private Sub Cancel_Click()
Me.Hide
fhome.Show
End Sub
Private Sub Form_Load()
tusername.Text = ""
tpassword.Text = ""
tcity.Text = ""
tmobileno.Text = ""
End Sub
```

```
Private Sub Signup_Click()
Adodc1.Refresh
Adodc1.Recordset.AddNew
Adodc1.Recordset.Fields(0) = tacno.Text
Adodc1.Recordset.Fields(1) = tusername.Text
Adodc1.Recordset.Fields(2) = tpassword.Text
Adodc1.Recordset.Fields(3) = tcity.Text
Adodc1.Recordset.Fields(4) = tmobileno.Text
Adodc1.Recordset.Update
Me.Hide
fTrading.Show
End Sub
```

LOGIN FORM

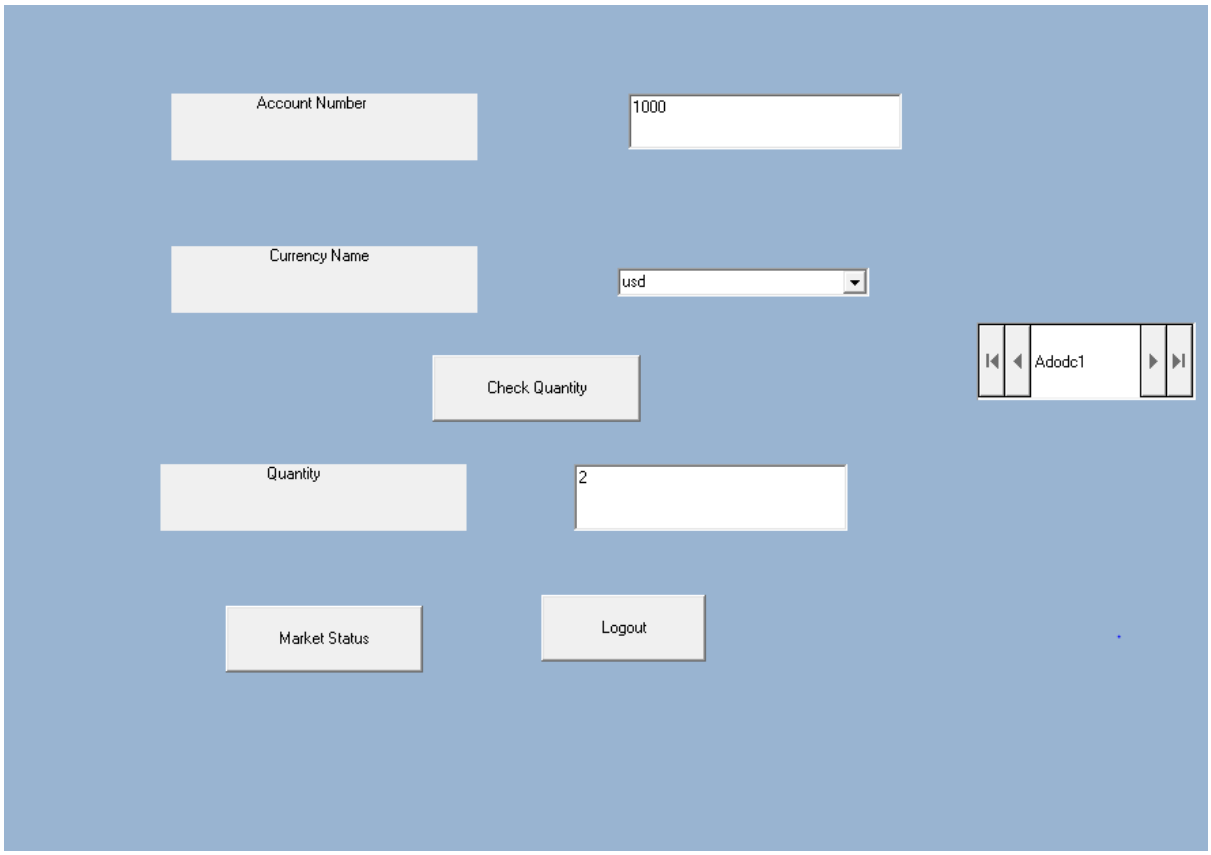


CODING

```
Private Sub Cancel_Click()
Me.Hide
fhome.Show
End Sub
```

```
Private Sub ok_Click()
Dim msg As String
Dim user As String
Dim pass As String
Adodc1.Refresh
user = tusername.Text
pass = tpassword.Text
Do Until Adodc1.Recordset.EOF
If Adodc1.Recordset.Fields("username").Value = user And
Adodc1.Recordset.Fields("password").Value = pass Then
Me.Hide
fTrading.Show
Exit Sub
Else
Adodc1.Recordset.MoveNext
End If
Loop
msg = MsgBox("invalid username & password!!!", vbOKCancel)
If msg = 1 Then
fLogin.Show
tusername.Text = ""
tpassword.Text = ""
Else
End
End If
End Sub
```

TRADING FORM



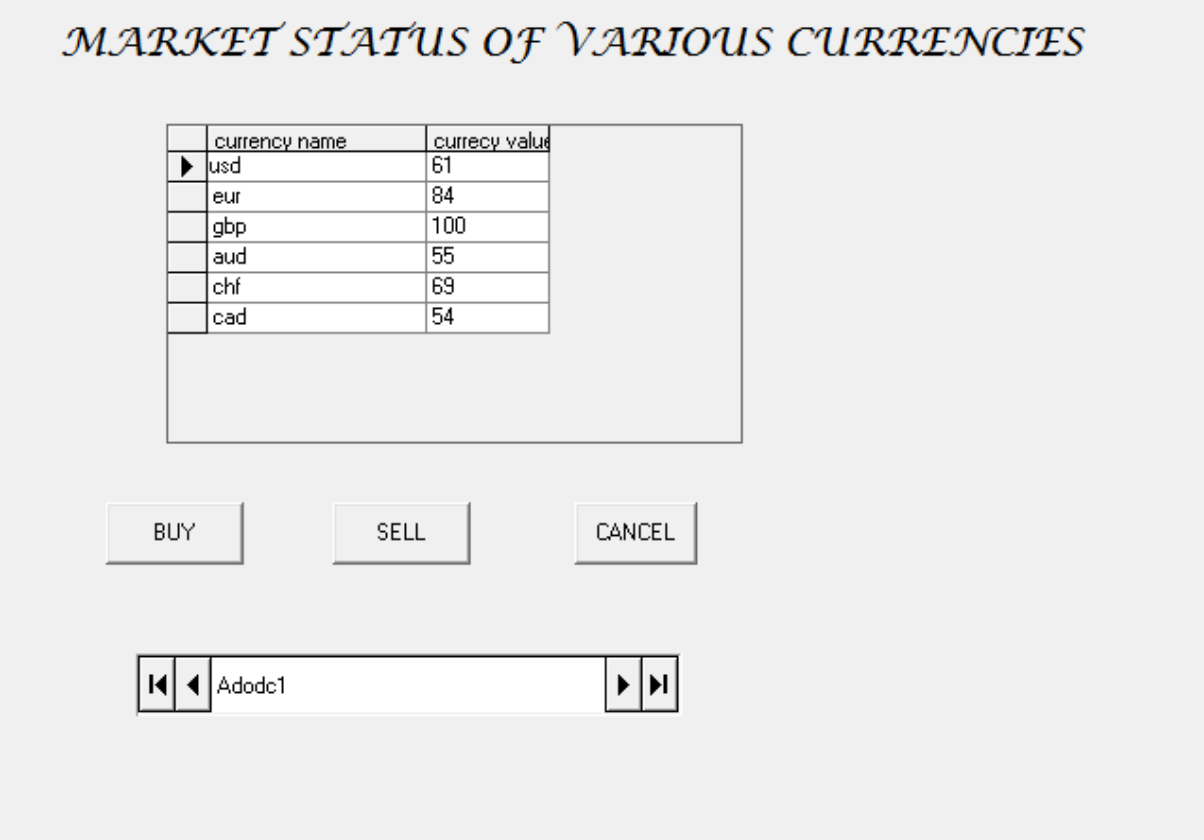
CODING

```
Private Sub Checkquantity_Click()
Dim num As String
Dim cyname As String
Dim flag As String
Adodc1.Refresh
num = tacno.Text
cyname = Combo1.Text
flag = 0
Do Until Adodc1.Recordset.EOF
If Adodc1.Recordset.Fields("acno").Value = num And cyname = "usd" Then
tqty.Text = Adodc1.Recordset.Fields(5).Value
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "eur" Then
tqty.Text = Adodc1.Recordset.Fields(6).Value
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "gbp" Then
```

```
tqty.Text = Adodc1.Recordset.Fields(7).Value
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "aud" Then
tqty.Text = Adodc1.Recordset.Fields(8).Value
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "chf" Then
tqty.Text = Adodc1.Recordset.Fields(9).Value
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "cad" Then
tqty.Text = Adodc1.Recordset.Fields(10).Value
flag = 1
End If
If flag = 1 Then
Exit Sub
Else
Adodc1.Recordset.MoveNext
End If
Loop
msg = MsgBox("invalid username & password!!!", vbOKCancel)
If msg = 1 Then
fLogin.Show
tusername.Text = ""
tacno.Text = ""
Else
End
End If
End Sub
Private Sub Logout_Click()
Me.Hide
fhome.Show
End Sub
Private Sub Marketstatus_Click()
Me.Hide
fmarket.Show
```

End Sub

MARKETSTATUS FORM



CODING

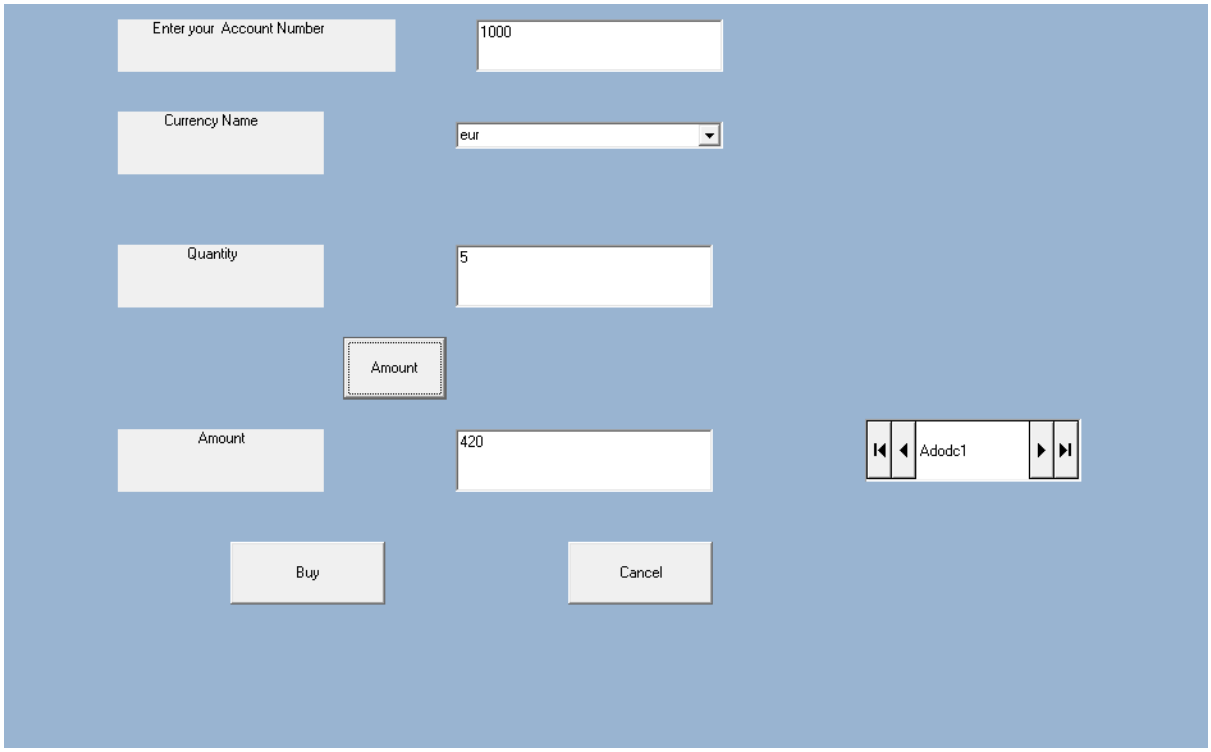
```
Private Sub Buycurrency_Click()
Me.Hide
fbuy.Show
End Sub
Private Sub Cancel_Click()
Me.Hide
fTrading.Show
End Sub
Private Sub Form_Load()
Adodc1.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\Users\Elcot\Desktop\fore1.mdb;Persist Security Info=False"
Adodc1.RecordSource = " SELECT * FROM curr "
Set DataGrid1.DataSource = Adodc1
End Sub
Private Sub Sellcurrency_Click()
```

Me.Hide

fsell.Show

End Sub

BUY FORM



CODING

```
Private Sub amt_Click()
Dim num As String
Dim cyname As String
Dim flag As String
Adodc1.Refresh
num = tacno.Text
cyname = Combo1.Text
flag = 0
Do Until Adodc1.Recordset.EOF
If Adodc1.Recordset.Fields("acno").Value = num And cyname = "usd" Then
tamt.Text = Val(tqty.Text) * 61
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "eur" Then
tamt.Text = Val(tqty.Text) * 84
```

```
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "gbp" Then
tamt.Text = Val(tqty.Text) * 100
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "aud" Then
tamt.Text = Val(tqty.Text) * 55
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "chf" Then
tamt.Text = Val(tqty.Text) * 69
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "cad" Then
tamt.Text = Val(tqty.Text) * 54
flag = 1
End If
If flag = 1 Then
Exit Sub
Else
Adodc1.Recordset.MoveNext
End If
Loop
msg = MsgBox("invalid Account number!!!", vbOKCancel)
If msg = 1 Then
fTrading.Show
tacno.Text = ""
tusername.Text = ""
Else
End
End If
End Sub
Private Sub Buy_Click()
Dim flag As String
Dim num As String
Dim cyname As String
Dim bal As String
```

```
Adodc1.Refresh
num = tacno.Text
cyname = Combo1.Text
flag = 0
Do Until Adodc1.Recordset.EOF
If Adodc1.Recordset.Fields("acno").Value = num And cyname = "usd" Then
Adodc1.Recordset.Fields(5) = Adodc1.Recordset.Fields(5) + Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) - Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "eur" Then
Adodc1.Recordset.Fields(6) = Adodc1.Recordset.Fields(6) + Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) - Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "gbp" Then
Adodc1.Recordset.Fields(7) = Adodc1.Recordset.Fields(7) + Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) - Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "aud" Then
Adodc1.Recordset.Fields(8) = Adodc1.Recordset.Fields(8) + Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) - Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "chf" Then
Adodc1.Recordset.Fields(9) = Adodc1.Recordset.Fields(9) + Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) - Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "cad" Then
Adodc1.Recordset.Fields(10) = Adodc1.Recordset.Fields(10) + Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) - Val(tamt.Text)
Adodc1.Recordset.Update
```

flag = 1

End If

If flag = 1 Then

msg = MsgBox("Currency Bought Successfully!!!", vbOKOnly)

Exit Sub

Else

Adodc1.Recordset.MoveNext

End If

Loop

End Sub

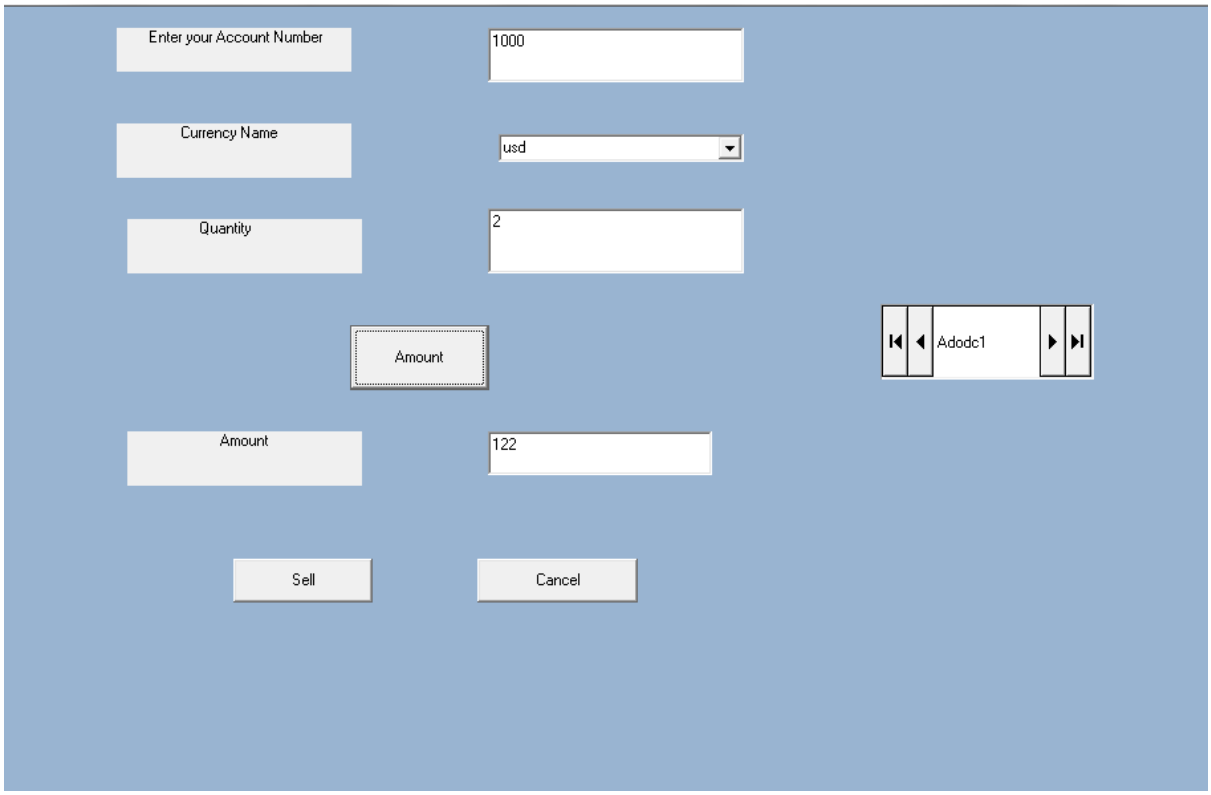
Private Sub Cancel_Click()

Me.Hide

fTrading.Show

End Sub

SELL FORM



CODING

Private Sub Amount_Click()

Dim num As String

Dim cyname As String

```
Dim flag As String
Adodc1.Refresh
num = tacno.Text
cyname = Combo1.Text
flag = 0
Do Until Adodc1.Recordset.EOF
If Adodc1.Recordset.Fields("acno").Value = num And cyname = "usd" Then
tamt.Text = Val(tqty.Text) * 61
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "eur" Then
tamt.Text = Val(tqty.Text) * 84
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "gbp" Then
tamt.Text = Val(tqty.Text) * 100
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "aud" Then
tamt.Text = Val(tqty.Text) * 55
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "chf" Then
tamt.Text = Val(tqty.Text) * 69
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "cad" Then
tamt.Text = Val(tqty.Text) * 54
flag = 1
End If
If flag = 1 Then
Exit Sub
Else
Adodc1.Recordset.MoveNext
End If
Loop
msg = MsgBox("invalid Account number!!!", vbOKCancel)
If msg = 1 Then
fTrading.Show
```

```
tacno.Text = ""
tusername.Text = ""
Else
End
End If
End Sub
Private Sub Cancel_Click()
Me.Hide
fTrading.Show
End Sub
Private Sub Sell_Click()
Dim flag As String
Dim num As String
Dim cyname As String
Adodc1.Refresh
num = tacno.Text
cyname = Combo1.Text
flag = 0
Do Until Adodc1.Recordset.EOF
If Adodc1.Recordset.Fields("acno").Value = num And cyname = "usd" Then
Adodc1.Recordset.Fields(5) = Adodc1.Recordset.Fields(5) - Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) + Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "eur" Then
Adodc1.Recordset.Fields(6) = Adodc1.Recordset.Fields(6) - Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) + Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "gbp" Then
Adodc1.Recordset.Fields(7) = Adodc1.Recordset.Fields(7) - Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) + Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
```

```
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "aud" Then
Adodc1.Recordset.Fields(8) = Adodc1.Recordset.Fields(8) - Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) + Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "chf" Then
Adodc1.Recordset.Fields(9) = Adodc1.Recordset.Fields(9) - Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) + Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
ElseIf Adodc1.Recordset.Fields("acno").Value = num And cyname = "cad" Then
Adodc1.Recordset.Fields(10) = Adodc1.Recordset.Fields(10) - Val(tqty.Text)
Adodc1.Recordset.Fields(12) = Adodc1.Recordset.Fields(12) + Val(tamt.Text)
Adodc1.Recordset.Update
flag = 1
End If
If flag = 1 Then
msg = MsgBox("Currency Sold Successfully!!!", vbOKOnly)
Exit Sub
Else
Adodc1.Recordset.MoveNext
End If
Loop
End Sub
```

RESULT

Thus the User Interface Layer for the Foreign trading system was implemented.

EX.NO:9	DOMAIN OBJECTS LAYER
15.09.17	

AIM

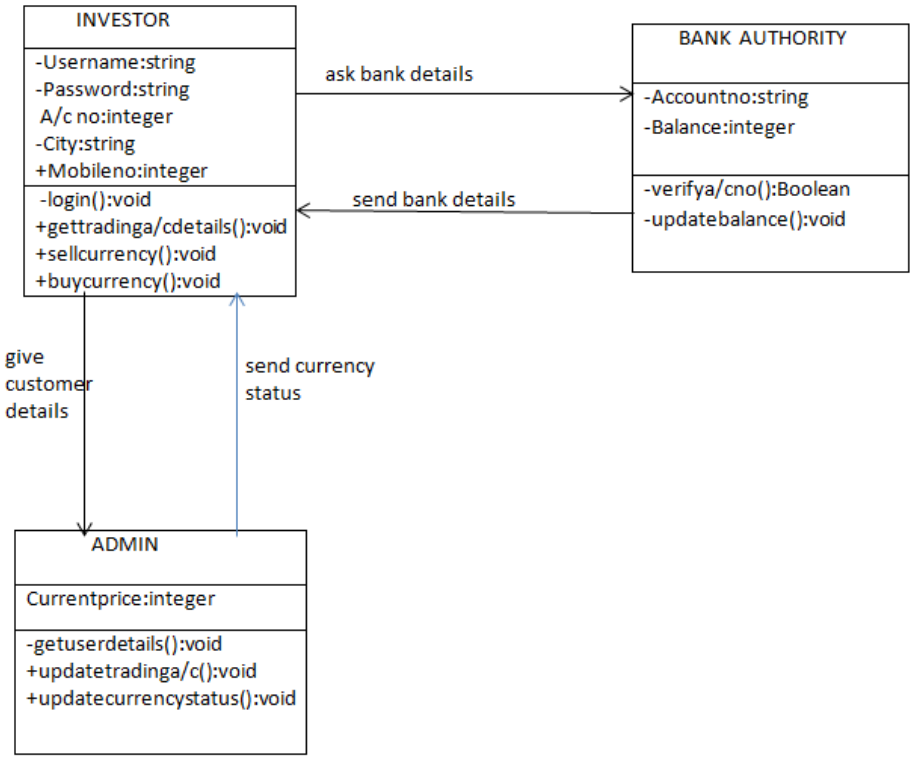
To implement a domain objects layer for Foreign trading system.

DOMAIN OBJECTS LAYER

A domain model is a visual representation of conceptual classes or real-situation objects in a domain. Domain models can also be called conceptual models. Applying UML notation, a domain model is illustrated with a set of class diagrams in which no operations are defined. It provides a conceptual perspective. It shows:

- Domain objects or conceptual classes
- Associations between conceptual classes
- Attributes of conceptual class

DOMAIN OBJECTS LAYER FOR FOREIGN TRADING SYSTEM



DESCRIPTION

Registered Investor logs in to the trading account using the username and password. Unregistered investor sign up using username, password, city, mobile no and account no. They get bank balance from market authority and currency status from the Admin of the system.Bank Authority verifies the account no given by the investor. They send the balance status to the investor & updates the bank database. Admin gets the username, password, city and mobile no from the investor during the sign up process. They send the current market status of the currency to the investor & update the currency status.

RESULT

Thus the Domain Objects Layer for Foreign trading system was implemented.

EX.NO:10	TECHNICAL SERVICES LAYER
13.10.17	

AIM

To implement technical services layer for the Foreign Trading System.

TECHNICAL SERVICES LAYER

These are general purpose objects and subsystems that provide supporting technical services, such as interfacing with a database or error logging. These services are usually application independent and reusable across several systems.

CREATING TABLE IN MS ACCESS

1. Open the Database

If you open up the new Microsoft Access database file that you have created or any Access database that you currently have, it will open the Database window that has a panel on the left that says "Tables", "Queries", "Forms", and so on.

2. On the Left Panel, Click "Tables"

After clicking "Tables", on the right panel, you will see three options.

3. Double-click "Create table in Design view"

The option you will be using is "Create table in Design view". This will give you a very easy-to-use GUI (Graphical User Interface) window to create your new table.

4. Enter Field Name and Data Type

A new window will open up with the title "Table1 : Table". This is where you will tell Microsoft Access what fields this table will have.

5. Click on File -> Save

Alternatively you can click on the Save icon in the toolbar.

STEPS TO CONNECT TO VISUAL BASIC

1. Add the Microsoft ADO Data control 6.0 (OLEDB) in your component, then after that drag it to your form then right click the adodc control then,
2. Select adodc properties

3. Select the Use connection string, then click build and select your database for the connection
4. Then in the provider tab u select "Microsoft Jet 4.0 Ole DB Provider"
5. Then go to the record source tab, then choose the command type to add cmdtext
6. And then in command text sql, type the query e.g. Select * from tablename
7. Then click apply and ok
8. Then you are now connected to your database.

DATABASE FOR FOREIGN TRADING SYSTEM

NEWUSER TABLE

newuser

acno	username	password	city	mobileno	usd_avail	eur_avail	gbp_avail	aud_avail	chf_avail	cad_avail	initial_investment	balance
1000	shamma	joy	nellai	9277896123	2	5	8	5	3	0	5000	3176
1001	fathima	fathi	nellai	7688342314	3	2	4	5	0	4	4000	2758
1002	pinky	joe	sivakasi	8870419269	0	3	2	4	5	1	6000	4929
1003	sheela	rani	madurai	8877332312	5	4	6	2	3	2	7000	5334
1004	muruga	jothi	madurai	9977543355	2	5	4	3	1	0	6000	4824
1005	magara	jothi	sivakasi	9092513912	1	3	4	5	0	2	4000	2904
1006	fathimal	fat	cherai	9092588604	3	4	0	7	2	6	5000	3634
1007	viji	cat	madurai	9047908501	4	2	6	3	4	3	8000	6385
1008	chitra	chithu	nellai	9955331100	3	6	4	0	2	5	4000	2505
1009	joy	shamma	sivakasi	9977443377	4	5	1	2	4	0	7000	5850
1010	joe	pinky	nellai	8765432987	2	0	3	4	4	1	6000	5028

DESCRIPTION OF NEW USER TABLE

This table mainly contains the user details that are received by the admin during the sign up process by the unregistered users along with the amount of currencies they hold.

CURRENCY TABLE

currency

currency	val
usd	61
eur	84
gbp	100
aud	55
chf	69
cad	54

DESCRIPTION OF CURRENCY TABLE

This table mainly contains the user details of various currencies and their values.The investor can buy the currency by looking at the value of the currency in the currency table.

RESULT

Thus the technical services layer was implemented for Foreign trading system was performed using MS Access.