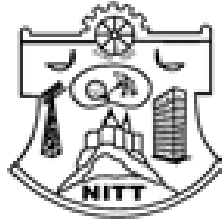


**NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI-15**



DEPARTMENT OF COMPUTER APPLICATIONS

SOFTWARE REQUIREMENT SPECIFICATION

On

CANTEEN MANAGEMENT SYSTEM

Submitted To:

Dr.B.Janet Joshua

Submitted By :

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205112033

MCA 3rd Sem

Canteen Management System

This project is for all private canteens in the campus. This app will provide the list of different canteens and their various items menu list.

A customer can select any item from any canteen and can order for it few hours before to the respective canteen.

And according to order canteen people will make foods and deliver to the respective customers.

And customer can pay amount from their account directly.

Advantages:

Customer will not have to wait in the queue.

There will not be rush in canteens.

They can order one day before so food will be made according to order.

Canteen Management System

**Report on Configuration
DefaultConfig**

PACKAGES

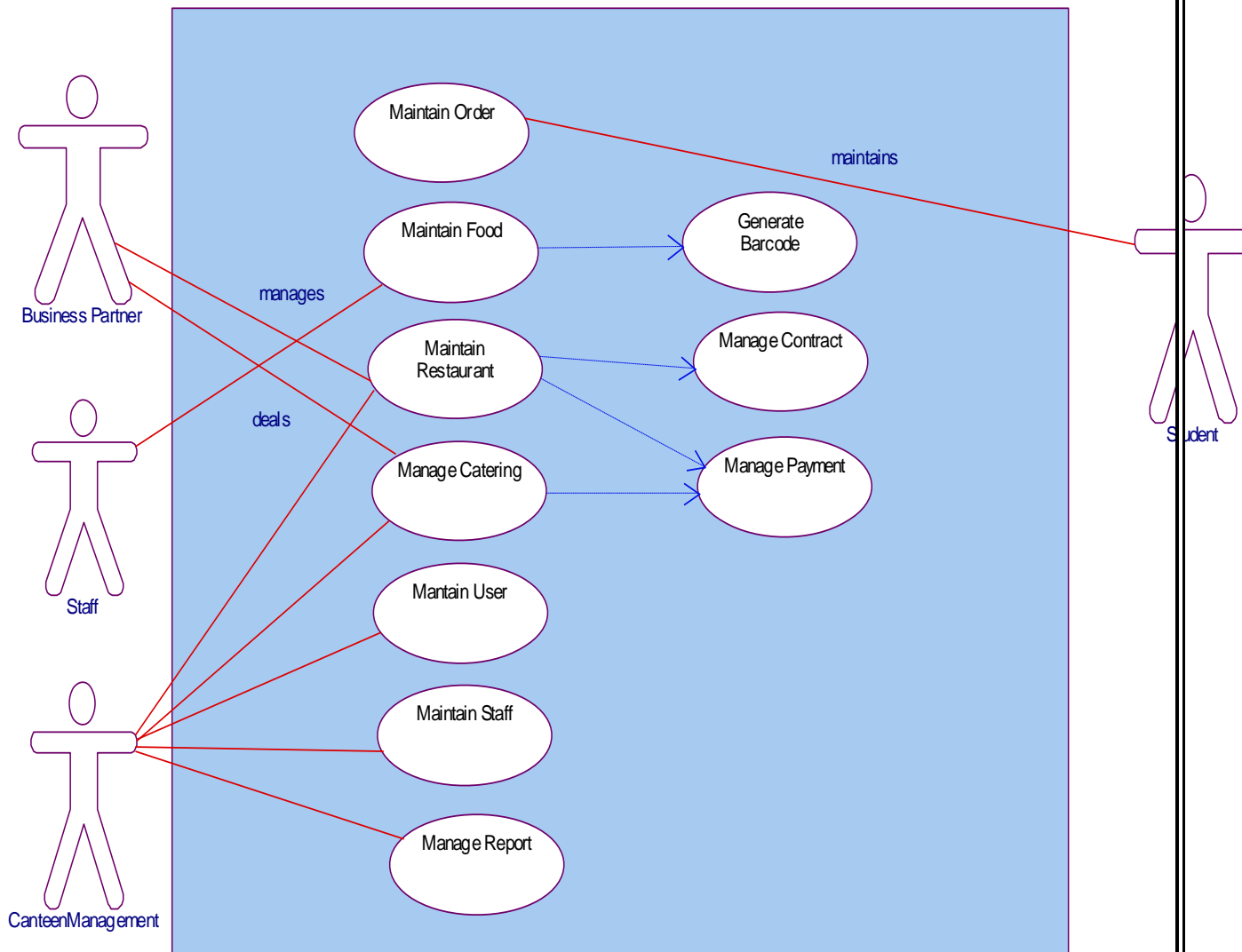
AnalysisPkg

Language: C++

USE CASE DIAGRAMS:

CanteenManagementSystem

OVERVIEW USE CASE DIAGRAM



Overridden Properties

Subjects:

Format

Metaclasses:

Actor

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,26,84,168
Font.Size: 10
Line.LineColor: 111,0,107

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

UseCase

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,21,129,92
Font.Size: 10
Line.LineColor: 111,0,107

System_Border

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,228,240

Font.Size: 10
Line.LineColor: 111,0,107

Flow

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,112,0

Association

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Font.Size: 10
Line.LineColor: 221,0,0

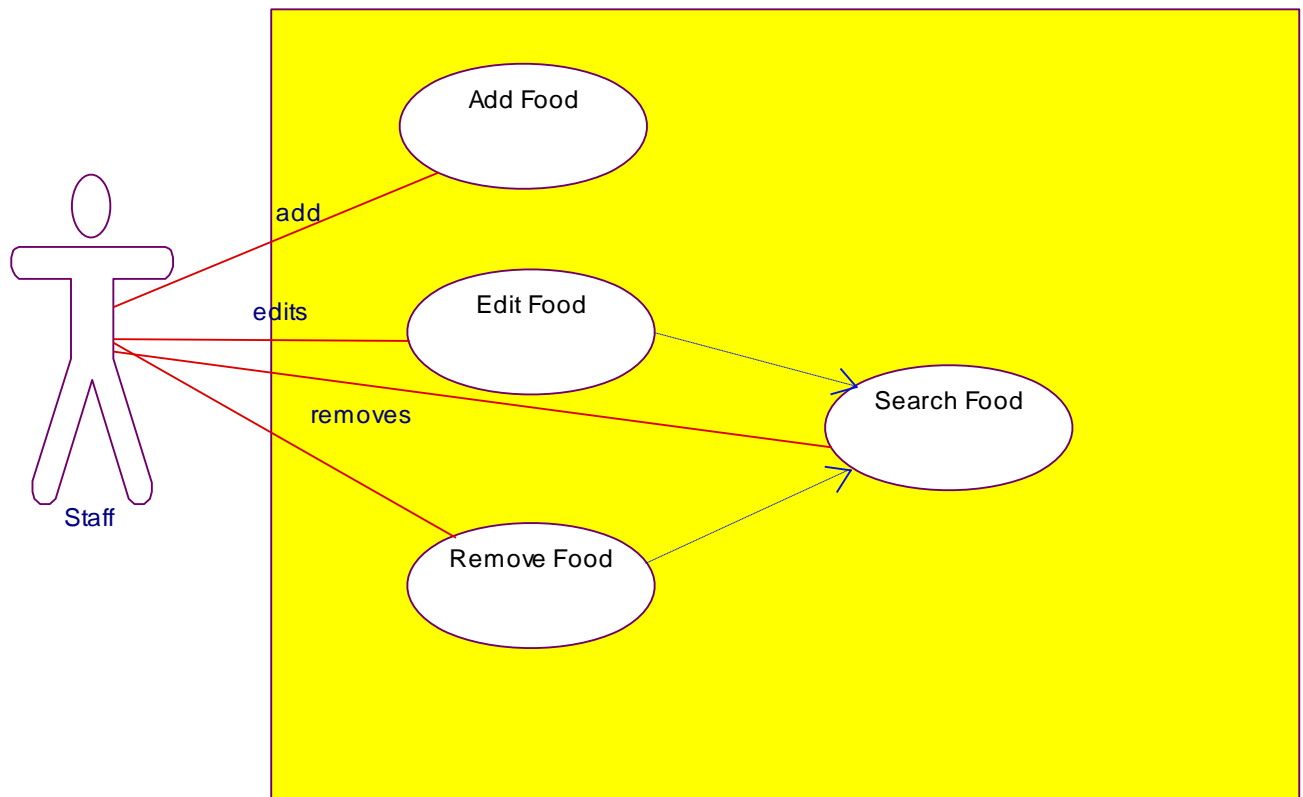
Depends

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,16,230

Staff

USE CASE DIAGRAM FOR MAINTAIN FOOD



Overridden Properties

Subjects:

Format

Metaclasses:

Actor

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,26,84,168
Font.Size: 10
Line.LineColor: 111,0,107

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

UseCase

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,21,129,92
Font.Size: 10
Line.LineColor: 111,0,107

System_Border

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,228,240
Font.Size: 10
Line.LineColor: 111,0,107

Association

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Font.Size: 10
Line.LineColor: 221,0,0

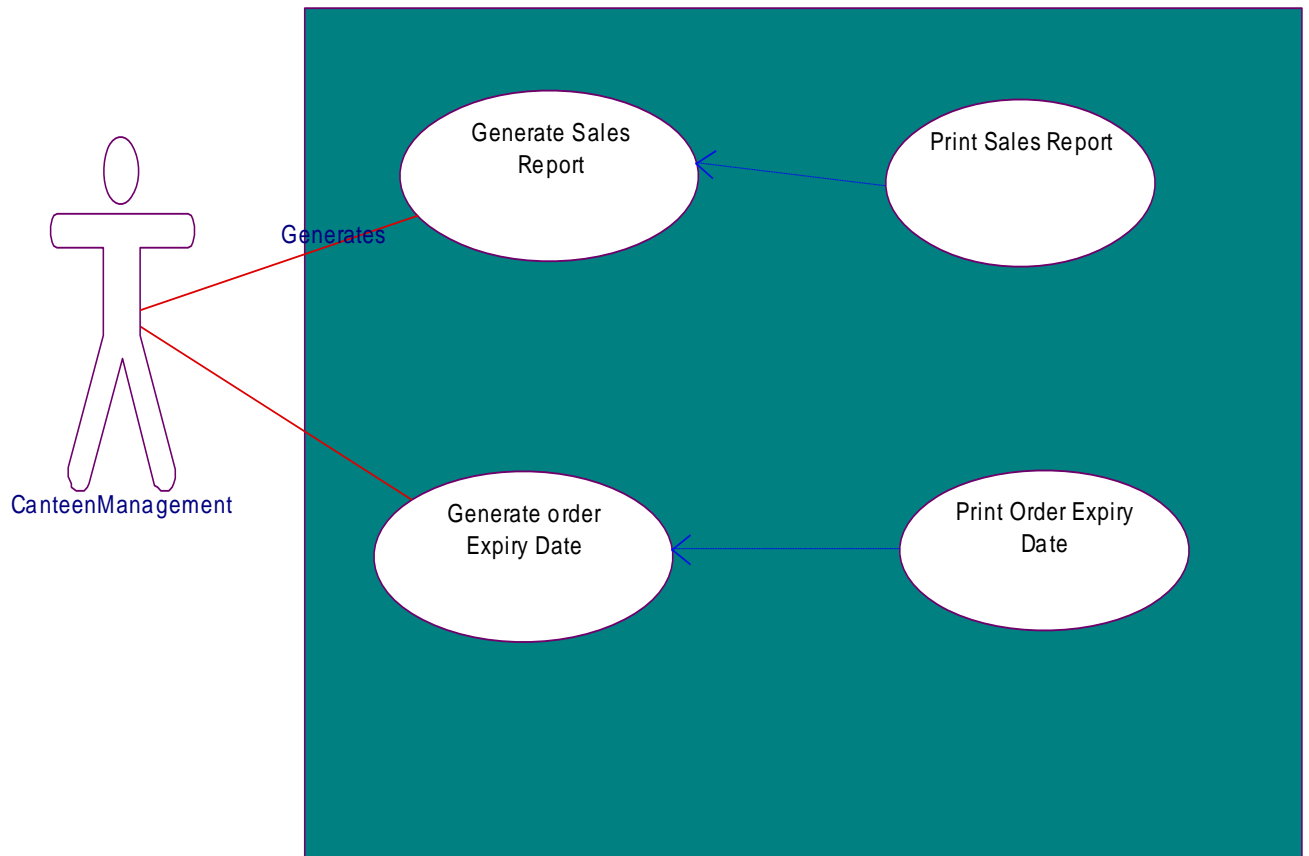
Depends

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,16,230

Owner

USE CASE DIAGRAM FOR MANAGE REPORT



Overridden Properties

Subjects:

Format

Metaclasses:

Actor

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Fill.FillColor: 255,255,255
DefaultSize: 0,26,84,168
Font.Size: 10
Line.LineColor: 111,0,107

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

UseCase

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,21,129,92
Font.Size: 10
Line.LineColor: 111,0,107

System_Border

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,228,240
Font.Size: 10
Line.LineColor: 111,0,107

Association

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Font.Size: 10
Line.LineColor: 221,0,0

Depends

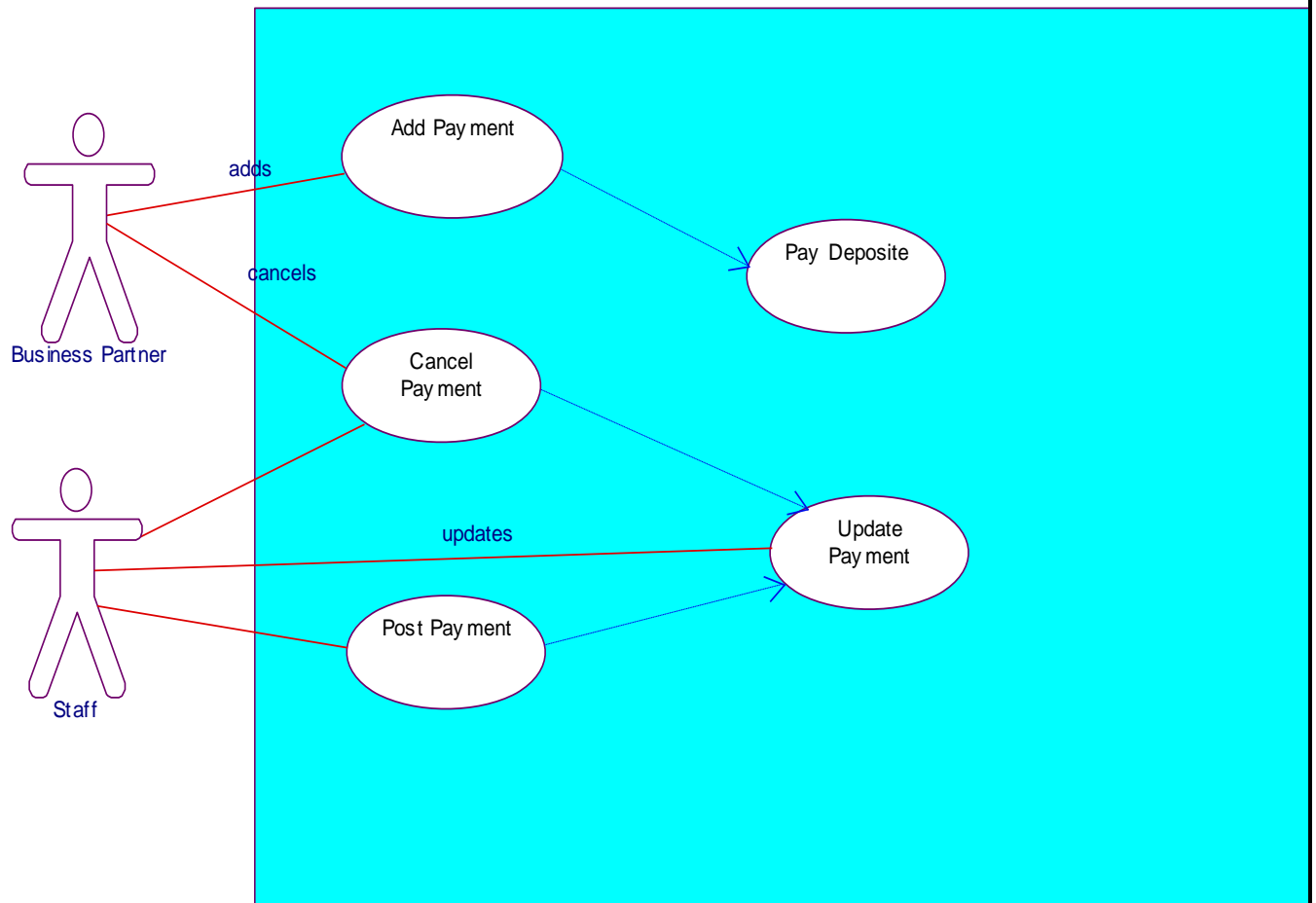
Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,16,230

PAYMENT

USE CASE DIAGRAM FOR MANAGE PAYMENT



Overridden Properties

Subjects:

Format

Metaclasses:

Actor

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,26,84,168
Font.Size: 10
Line.LineColor: 111,0,107

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

UseCase

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,21,129,92
Font.Size: 10
Line.LineColor: 111,0,107

System_Border

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial

Fill.FillColor: 255,255,255
DefaultSize: 0,0,228,240
Font.Size: 10
Line.LineColor: 111,0,107

Association

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Font.Size: 10
Line.LineColor: 221,0,0

Depends

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,16,230

Comments:

comment_44

Different Functions perform by canteen management

EVENTS:

accepts

AgreeOnDetails

cancel

cancelledPayment

completeOrder

CustomerChangesOrder

delivered

DisagreeOnDetails

discussingDetails

display

displyReport

event_47

Expiry

generateReport

mreturn

ordercancel

orderIsReady

orders

Paid

ReadyToPay

refund

verificationFailed

verificationPassed

verifyOrder

FLows:

Maintain Food_Generate Barcode

From Maintain Food to Generate Barcode

ASSOCIATIONS:

add

End1: itsAdd Food_1, Multiplicity of 1
End2: itsStaff_1, Multiplicity of 1

adds

End1: itsAdd Payment, Multiplicity of 1
End2: itsBusiness Partner, Multiplicity of 1

cancels

End1: itsCancel Payment, Multiplicity of 1
End2: itsBusiness Partner, Multiplicity of 1

deals

End1: itsManage Catering, Multiplicity of 1
End2: itsBusiness Partner, Multiplicity of 1

edits

End1: itsEdit Food_1, Multiplicity of 1
End2: itsStaff_1, Multiplicity of 1

Generates

End1: itsGenerate Sales Report_2, Multiplicity of 1
End2: itsCanteenManagement_2, Multiplicity of 1

gENERATES

End1: itsGenerate Sales Report_1, Multiplicity of 1
End2: itsCanteenManagement_1, Multiplicity of 1

includes

End1: itsGenerate Barcode, Multiplicity of 1
End2: itsMaintain Food, Multiplicity of 1

maintains

End1: itsMaintain Order, Multiplicity of 1
End2: itsStudent, Multiplicity of 1

manages

End1: itsMaintain Restaurant, Multiplicity of 1
End2: itsBusiness Partner, Multiplicity of 1

removes

End1: itsRemove Food_1, Multiplicity of 1
End2: itsStaff_1, Multiplicity of 1

updates

End1: itsUpdate Payment, Multiplicity of 1
End2: itsStaff, Multiplicity of 1

GLOBALS:

Objects:

order

Object of Order, Multiplicity of 1

payment

Object of Payment, Multiplicity of 1

CLASSES:

A

CanteenManagementSystem

Ports:

port_10

Multiplicity of 1

Contract: <Implicit>

Provided Interfaces:

Required Interfaces:

port_11

Multiplicity of 1

Contract: <Implicit>

Provided Interfaces:

Required Interfaces:

Operations:

accepts

Reception

AgreeOnDetails

Reception

CalculateBill

Primitive-operation , Public, Return type is void

cancelledPayment

Reception

CustomerChangesOrder

Reception

delivered

Reception

DeliverOrder

Primitive-operation , Public, Return type is void

DisagreeOnDetails

Reception

discussingDetails

Reception

Expiry

Reception

GenerateBill

Primitive-operation , Public, Return type is void

orderIsReady

Reception

Paid

Reception

ReadyToPay

Reception

Takeorder

Primitive-operation , Public, Return type is void

UpdateRecord

Primitive-operation , Public, Return type is void

verificationFailed

Reception

verificationPassed

Reception

verifyOrder

Reception

Attributes:

bal

Type of int, Public, Multiplicity of 1

order

Type of int, Public, Multiplicity of 1

payment

Type of int, Public, Multiplicity of 1

QtyDeliverd

Type of int, Public, Multiplicity of 1

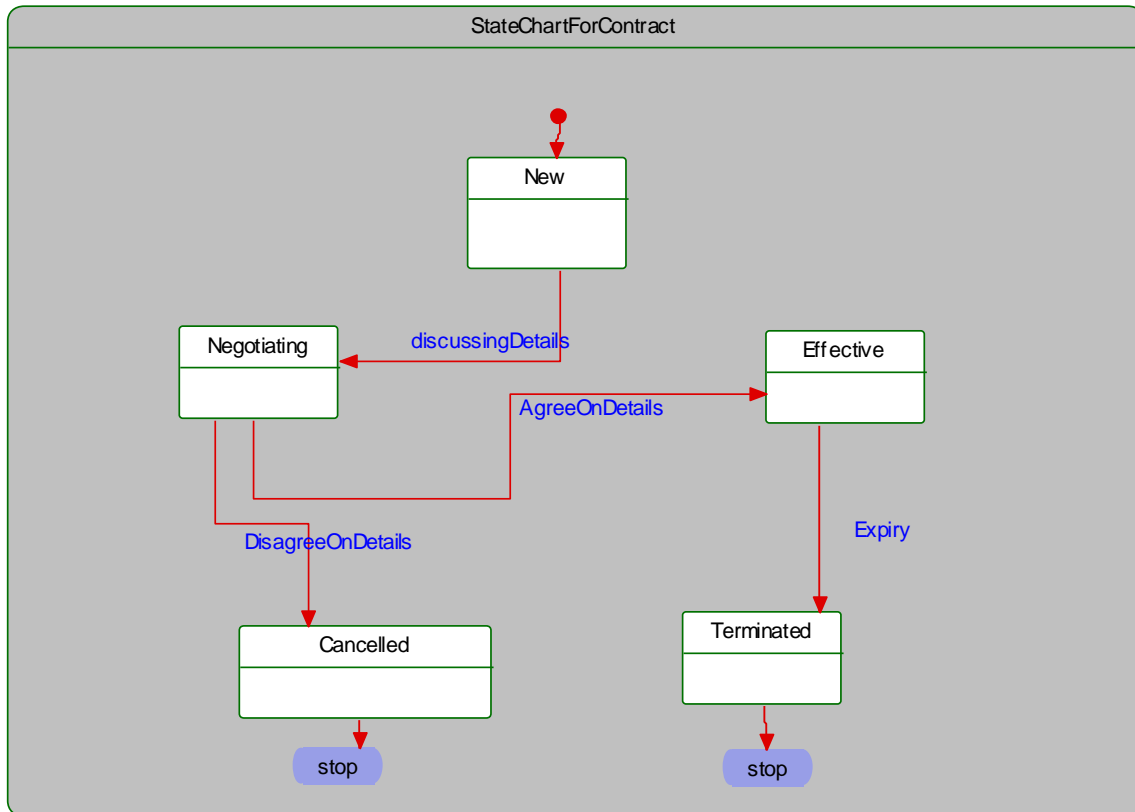
total

Type of int, Public, Multiplicity of 1

Behaviors:

StateChartForContract

STATECHART FOR CONTRACT



Overridden Properties

Subjects:

Format

Metaclasses:

DiagramConnector

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 152,158,231
DefaultSize: 0,0,55,24
Font.Size: 10
Line.LineColor: 0,0,0

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

DanglingTransition

Properties:

Line.LineWidth: 2
Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,0,96,60
Font.Size: 10
Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

StateChartForContract

StateChartForContract

Or-state

Substates:

Cancelled
Effective
Negotiating

New
Terminated
Default Transition

Target:
New

Cancelled

Or-state
Out Transition

Target:
stop

Effective

Or-state
Out Transition
Expiry

Target:
Terminated

Negotiating

Or-state
Out Transition
AgreeOnDetails

Target:
Effective

Out Transition
DisagreeOnDetails

Target:
Cancelled

New

Or-state
Out Transition
discussingDetails

Target:
Negotiating

Terminated

Or-state
Out Transition

Target:
stop

stop

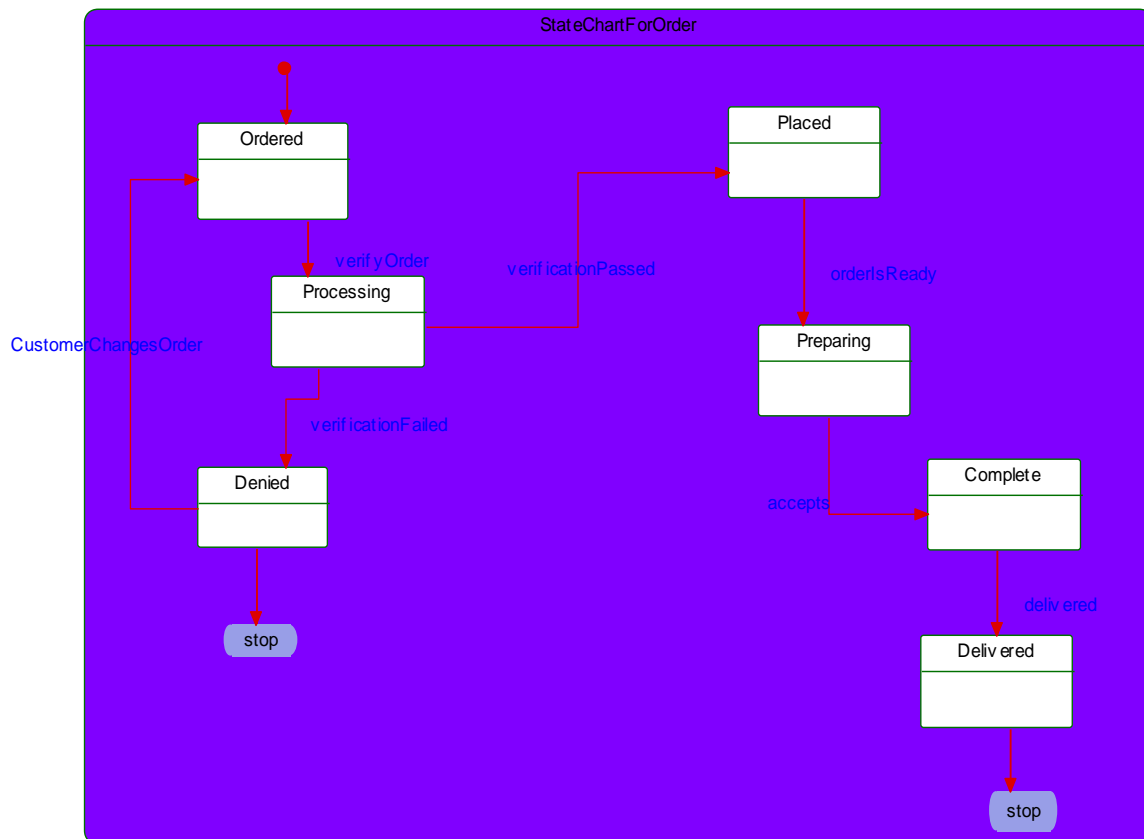
Diagram Connector

stop

Diagram Connector

StateChartForOrder

STATECHART FOR ORDER



Overridden Properties

Subjects:

Format

Metaclasses:

DiagramConnector

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 152,158,231
DefaultSize: 0,0,55,24
Font.Size: 10

Line.LineColor: 0,0,0

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

DanglingTransition

Properties:

Line.LineWidth: 2
Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,0,96,60
Font.Size: 10
Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

StateChartForOrder

StateChartForOrder

Or-state

Substates:

Complete
Delivered
Denied
Ordered
Placed

Preparing
Processing
Default Transition
Target:
Ordered

Complete
Or-state
Out Transition
delivered
Target:
Delivered

Delivered
Or-state
Out Transition
Target:
stop

Denied
Or-state
Out Transition
CustomerChangesOrder
Target:
Ordered
Out Transition
Target:
stop

Ordered
Or-state
Out Transition
verifyOrder
Target:
Processing

Placed
Or-state
Out Transition
orderIsReady

Target:
Preparing

Preparing

Or-state

Out Transition

accepts

Target:
Complete

Processing

Or-state

Out Transition

verificationFailed

Target:
Denied

Out Transition

verificationPassed

Target:
Placed

stop

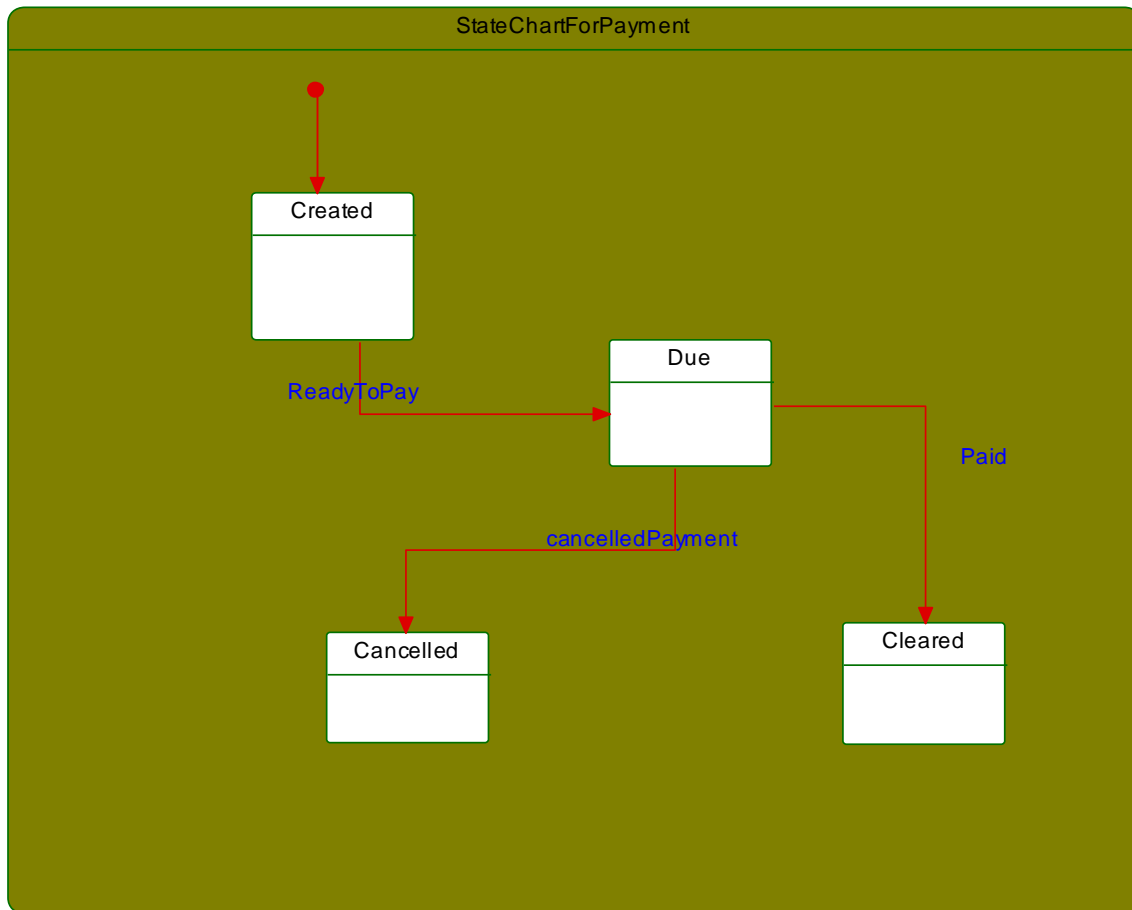
Diagram Connector

stop

Diagram Connector

StateChartForPayment

STATECHART FOR PAYMENT



Overridden Properties

Subjects:

Format

Metaclasses:

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial

Font.Size: 10

DanglingTransition

Properties:

Line.LineWidth: 2

Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,0,96,60

Font.Size: 10

Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

StateChartForPayment

StateChartForPayment

Or-state

Substates:

Cancelled

Cleared

Created

Due

Default Transition

Target:

Created

Cancelled

Or-state

Cleared

Or-state

Created

Or-state

Out Transition

ReadyToPay

Target:

Due

Due

Or-state

Out Transition

cancelledPayment

Target:

Cancelled

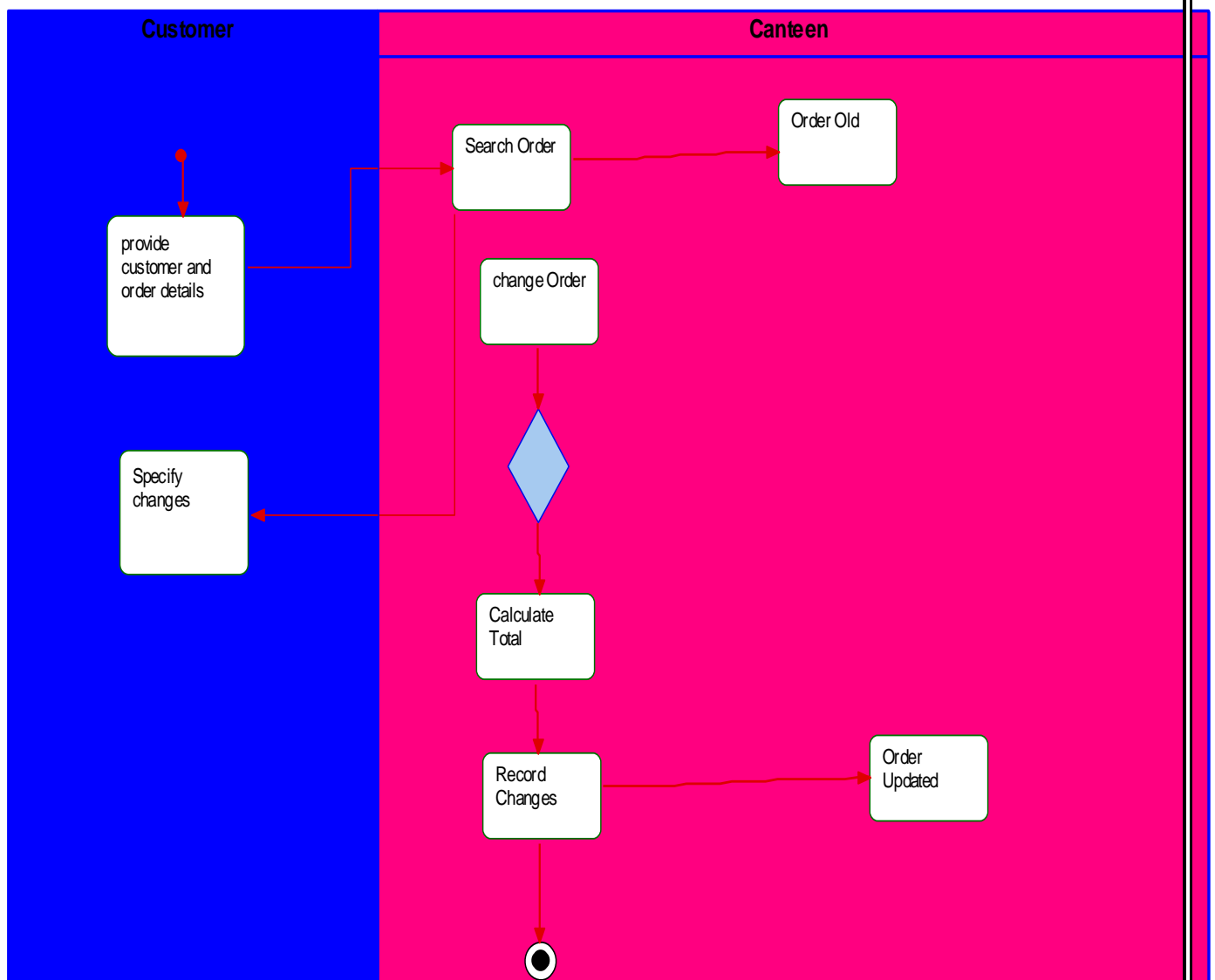
Out Transition

Paid

Target:

Cleared

ACTIVITY DIAGRAM FOR CHANGE ORDER



Overridden Properties

Subjects:

Format

Metaclasses:

MergeNode

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 166,202,240
DefaultSize: 0,0,48,77
Font.Size: 10
Line.LineColor: 0,16,230

TerminationState

Properties:

Line.LineWidth: 1
DefaultSize: 0,0,25,26
Line.LineColor: 0,0,0

AcceptTimeEvent

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,30,40
Font.Size: 10
Line.LineColor: 0,112,0

ObjectNode

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,94,47
Font.Size: 10
Line.LineColor: 0,220,0

Action

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255

DefaultSize: 0,0,95,60
Font.Size: 10
Line.LineColor: 0,112,0

Swimlane_Frame

Properties:

DefaultSize: 0,0,50,50
Line.LineColor: 0,0,255

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

ActionBlock

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,228,180
Font.Size: 10
Line.LineColor: 0,112,0

SendAction

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,0,100,40
Font.Size: 10
Line.LineColor: 0,112,0

DanglingTransition

Properties:

Line.LineWidth: 2
Line.LineColor: 0,0,0

State

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,0,96,60
Font.Size: 10
Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

action_11
action_12
action_13
action_14
action_17
action_18
action_6
action_8
activityfinal_16

Default Transition

Target:

action_6

action_11

Action State

EntryAction

Search Order

Out Transition

Stereotypes:

ControlFlow

Target:

action_8

Out Transition

Stereotypes:

ControlFlow

Target:

action_17

action_12

Action State

EntryAction

change Order

Out Transition

Stereotypes:

ControlFlow

Target:

action_13

action_13

Action State

EntryAction

Calculate Total

Out Transition

Stereotypes:

ControlFlow

Target:

action_14

action_14

Action State

EntryAction

Record Changes

Out Transition

Stereotypes:

ControlFlow

Target:

activityfinal_16

Out Transition

Stereotypes:

ControlFlow

Target:

action_18

action_17

Action State

EntryAction

Order Old

action_18

Action State

EntryAction

Order Updated

action_6

Action State

EntryAction

provide customer and order details

Out Transition

Stereotypes:

ControlFlow

Target:

action_11

action_8

Action State

EntryAction

Specify changes

activityfinal_16

Local Termination State

Stereotypes:

ActivityFinal

Swimlanes:

Canteen

States:

action_11

action_12

action_13

action_14

action_17

action_18

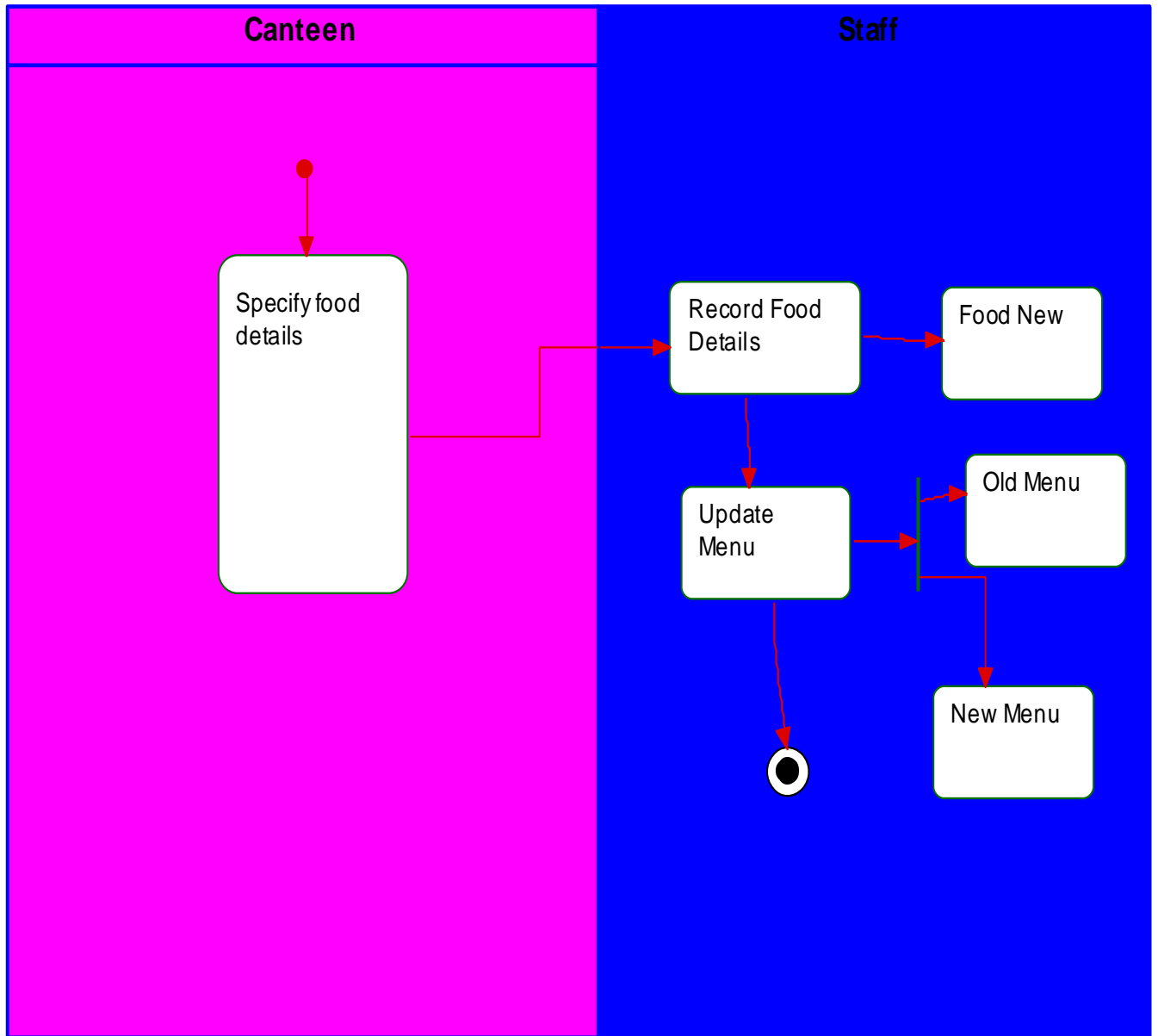
Customer

States:

action_6

action_8

ACTIVITY DIAGRAM FOR FOOD INTRODUCTION



Overridden Properties

Subjects:

Format

Metaclasses:

TerminationState

Properties:

Line.LineWidth: 1

DefaultSize: 0,0,25,26

Line.LineColor: 0,0,0

Action

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,95,60

Font.Size: 10

Line.LineColor: 0,112,0

AcceptEventAction

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

Line.LineStyle: 0

DefaultSize: 0,0,100,40

Font.Size: 10

Line.LineColor: 0,112,0

Swimlane_Frame

Properties:

DefaultSize: 0,0,50,50

Line.LineColor: 0,0,255

ForkConnector

Properties:

Line.LineWidth: 2

Line.LineColor: 0,112,0

FreeText

Properties:

Font.Height: 13

Fill.Transparent_Fill: 1

Multiline: True

Line.Transparent: 1

Wordbreak: False

VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

SendAction

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,0,100,40
Font.Size: 10
Line.LineColor: 0,112,0

JoinConnector

Properties:

Line.LineWidth: 2
Line.LineColor: 0,112,0

DanglingTransition

Properties:

Line.LineWidth: 2
Line.LineColor: 0,0,0

Depends

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,16,230

State

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,0,96,60
Font.Size: 10
Line.LineColor: 0,112,0

ROOT

Or-state

Substates:

action_10
action_11
action_3
action_4
action_7
action_9
activityfinal_13

Default Transition

Target:

action_3

action_10

Action State

EntryAction

Old Menu

action_11

Action State

EntryAction

New Menu

action_3

Action State

EntryAction

Specify food details

Out Transition

Stereotypes:

ControlFlow

Target:

action_4

action_4

Action State

EntryAction

Record Food Details

Out Transition

Stereotypes:

ControlFlow

Target:

action_9

Out Transition

Stereotypes:

ControlFlow

Target:

action_7

action_7

Action State

EntryAction

Update Menu

Out Transition

Stereotypes:

ControlFlow

Targets:

action_10

action_11

Out Transition

Stereotypes:

ControlFlow

Target:

activityfinal_13

action_9

Action State

EntryAction

Food New

activityfinal_13

Local Termination State

Stereotypes:

ActivityFinal

Swimlanes:

Canteen

States:

action_3

Staff

States:

action_10

action_11

action_4

action_7

action_9

Display

Operations:

display

Reception

Display

Primitive-operation , Public, Return type is void

DisplayReport

Operations:

displyReport

Reception

EDitedOrder

Operations:

completeOrder

Reception

editOrder

Primitive-operation , Public, Return type is void

orders

Reception

reditorder

Primitive-operation , Public, Return type is void

GenerateReport

Operations:

generateReport

Reception

M

Order

Operations:

ordercancel

Reception

orders

Reception

reorder

Primitive-operation , Public, Return type is void

Payment

Operations:

event_47

Reception

mreturn

Reception

QtyOrdered

Ports:

port_0

Multiplicity of 1

Contract: <Implicit>

Provided Interfaces:

Required Interfaces:

Operations:

cancel

Reception

DisplayStatus

Primitive-operation , Public, Return type is void

Payment

Primitive-operation , Public, Return type is void

refund

Reception

Attributes:

payBill

Type of int, Public, Multiplicity of 1

QtyOrdered

Type of int, Public, Multiplicity of 1

ACTORS:

actor_27

Business Partner

Association Ends:

itsAdd Payment

adds

Association with Add Payment, Multiplicity of 1, Bi-directional, Navigable

itsCancel Payment

cancels

Association with Cancel Payment, Multiplicity of 1, Bi-directional, Navigable

itsMaintain Restaurant

manages

Association with Maintain Restaurant, Multiplicity of 1, Bi-directional, Navigable

itsManage Catering

deals

Association with Manage Catering, Multiplicity of 1, Bi-directional, Navigable

CanteenManagement

Association Ends:

itsGenerate order Expiry Date

Association with Generate order Expiry Date, Multiplicity of 1, Bi-directional, Navigable

itsGenerate Sales Report

Association with Generate Sales Report, Multiplicity of 1, Bi-directional, Navigable

itsGenerate Sales Report_1

gENERATES

Association with Generate Sales Report, Multiplicity of 1, Bi-directional, Navigable

itsGenerate Sales Report_2

Generates

Association with Generate Sales Report, Multiplicity of 1, Bi-directional, Navigable

itsMaintain Restaurant

Association with Maintain Restaurant, Multiplicity of 1, Bi-directional, Navigable

itsMaintain Staff

Association with Maintain Staff, Multiplicity of 1, Bi-directional, Navigable

itsManage Catering

Association with Manage Catering, Multiplicity of 1, Bi-directional, Navigable
itsManage Report
Association with Manage Report, Multiplicity of 1, Bi-directional, Navigable
itsMantain User
Association with Mantain User, Multiplicity of 1, Bi-directional, Navigable

Order Taking Staff

Staff

Association Ends:

itsAdd Food

Association with Add Food, Multiplicity of 1, Bi-directional, Navigable

itsAdd Food_1

add

Association with Add Food, Multiplicity of 1, Bi-directional, Navigable

itsCancel Payment

Association with Cancel Payment, Multiplicity of 1, Bi-directional, Navigable

itsEdit Food

Association with Edit Food, Multiplicity of 1, Bi-directional, Navigable

itsEdit Food_1

edits

Association with Edit Food, Multiplicity of 1, Bi-directional, Navigable

itsMaintain Food

Association with Maintain Food, Multiplicity of 1, Bi-directional, Navigable

itsPost Payment

Association with Post Payment, Multiplicity of 1, Bi-directional, Navigable

itsRemove Food

Association with Remove Food, Multiplicity of 1, Bi-directional, Navigable

itsRemove Food_1

removes

Association with Remove Food, Multiplicity of 1, Bi-directional, Navigable

itsSearch Food

Association with Search Food, Multiplicity of 1, Bi-directional, Navigable

itsUpdate Payment

updates

Association with Update Payment, Multiplicity of 1, Bi-directional, Navigable

Student

Association Ends:

itsMaintain Order

maintains

Association with Maintain Order, Multiplicity of 1, Bi-directional, Navigable

USE CASES:

Add Food

Association Ends:

itsStaff

itsStaff_1

Add Payment

Association Ends:

itsBusiness Partner

Cancel Payment

Association Ends:
itsBusiness Partner
itsStaff

Edit Food

Association Ends:
itsStaff
itsStaff_1

Generate Barcode

Association Ends:
itsMaintain Food

Generate order Expiry Date

Association Ends:
itsCanteenManagement

Generate Sales Report

Association Ends:
itsCanteenManagement
itsCanteenManagement_1
itsCanteenManagement_2

Maintain Food

Association Ends:
itsStaff
itsGenerate Barcode

Maintain Order

Association Ends:
itsStudent

maintain order

Maintain Restaurant

Association Ends:
itsBusiness Partner
itsCanteenManagement

Maintain Staff

Association Ends:
itsCanteenManagement

Manage Catering

Association Ends:
itsBusiness Partner
itsCanteenManagement
itsManage Payment

Manage Contract

Manage Payment

Association Ends:
itsManage Catering

Manage Report

Association Ends:
itsCanteenManagement

Mantain User

Association Ends:
itsCanteenManagement

Pay Deposite**Post Payment**

Association Ends:
itsStaff

Print Order Expiry Date**Print Sales Report****Remove Food**

Association Ends:
itsStaff
itsStaff_1

Search Food

Association Ends:
itsStaff

Update Payment

Association Ends:
itsStaff

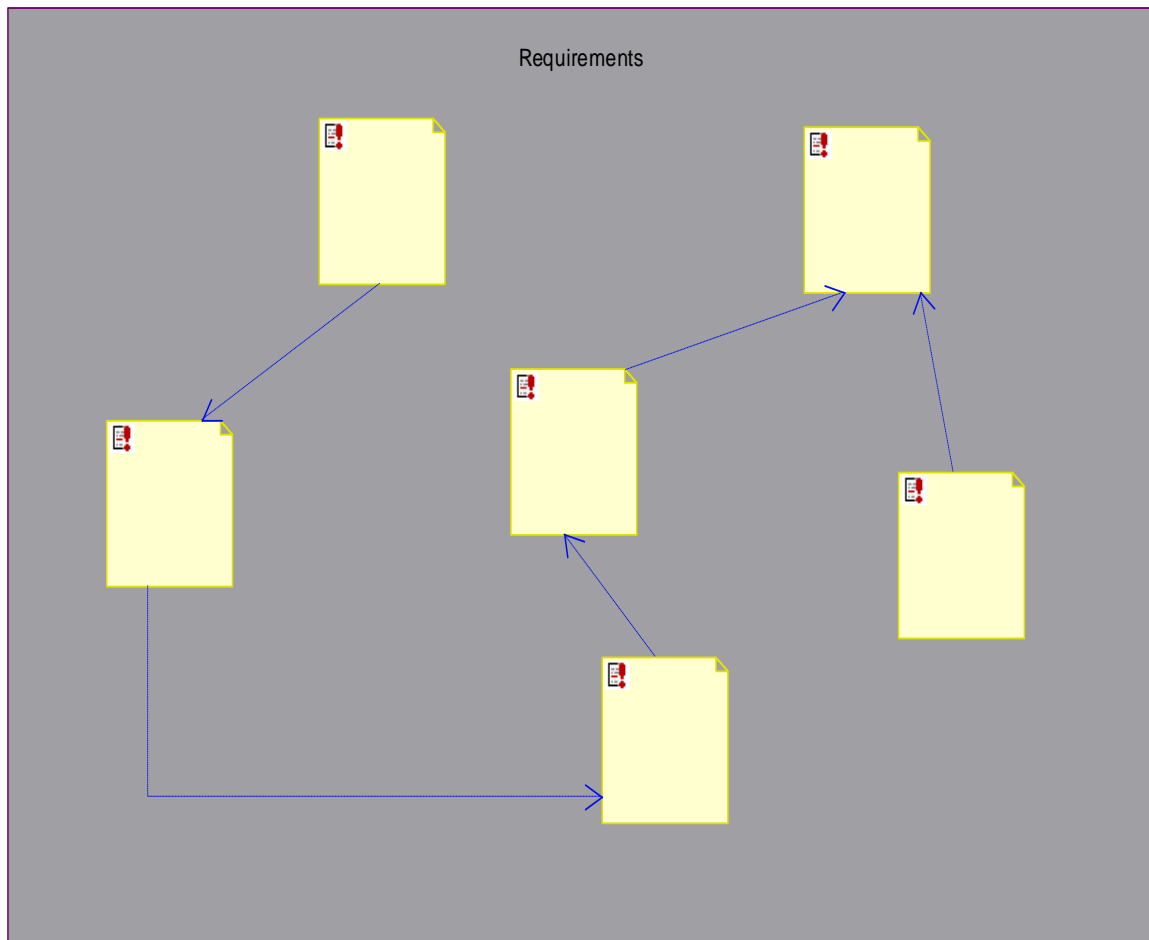
usecase_22**usecase_24****usecase_35**

RequirementsPkg

Language: C++

USE CASE DIAGRAMS:

Requirement



Overridden Properties

Subjects:

Format

Metaclasses:

Requirement

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,207
DefaultSize: 0,0,84,96
Font.Size: 10
Line.LineColor: 225,225,0

System_Border

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,228,240
Font.Size: 10
Line.LineColor: 111,0,107

Depends

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,16,230

Requirements:

Req1.1

Req1.2

Req3.1

Req3.2

Req4.1

Req4.2

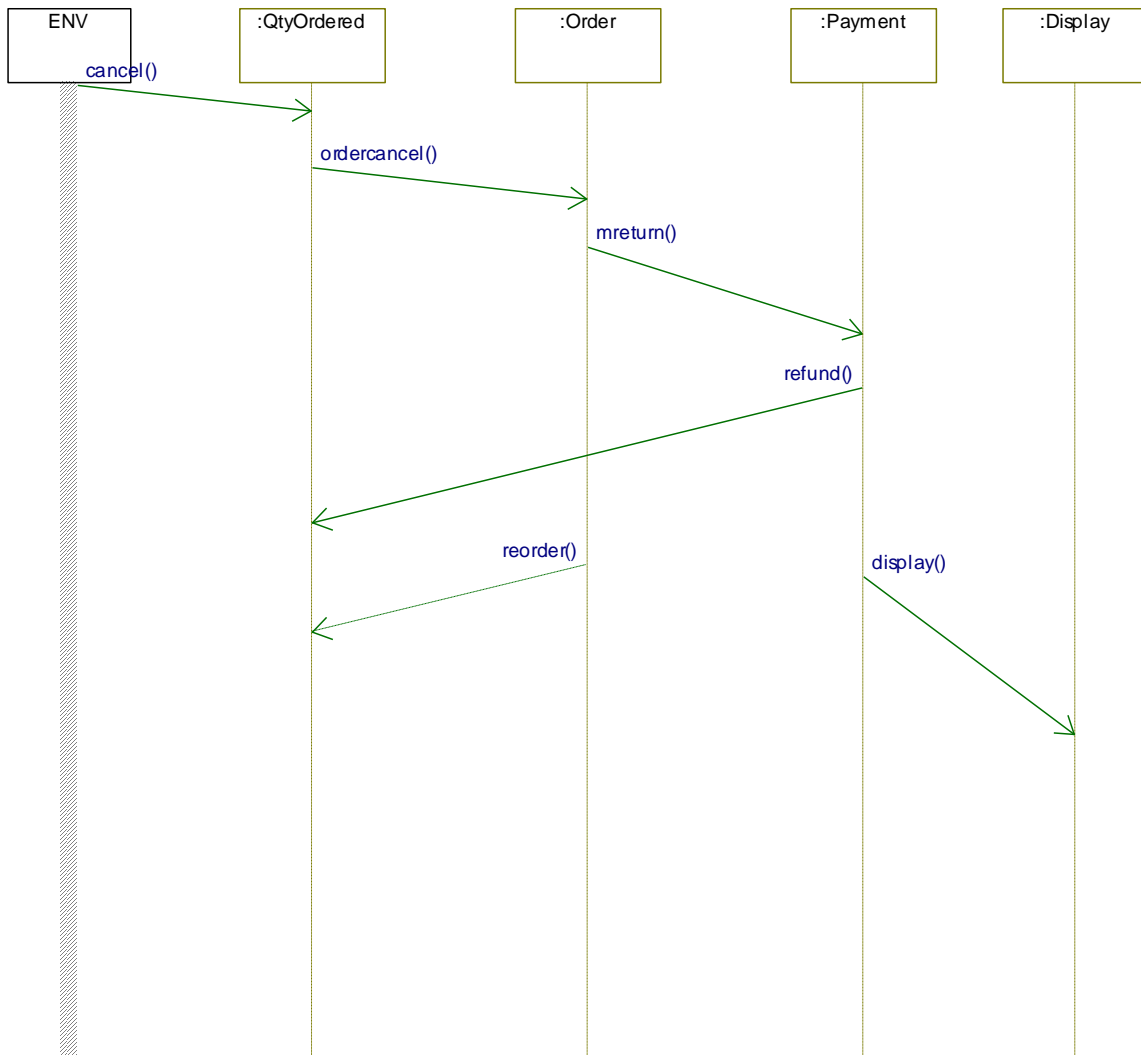
GLOBALS:

subsystemPkg

Language: C++

SEQUENCE DIAGRAMS:

CancelOrder



Overridden Properties

Subjects:

Format

Metaclasses:

ReplyMessage

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10

Line.LineColor: 0,112,0

InstanceLine

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 121,122,0

Message

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,128

Font.Font: Arial

Font.Size: 10

Line.LineColor: 0,112,0

EnvironmentLine

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Fill.FillColor: 255,255,255

DefaultSize: 0,0,96,437

Font.Size: 10

Line.LineColor: 0,0,0

SequenceDiagram

Metaclasses:

SequenceDiagram

Properties:

FillColor: 50,205,50

General

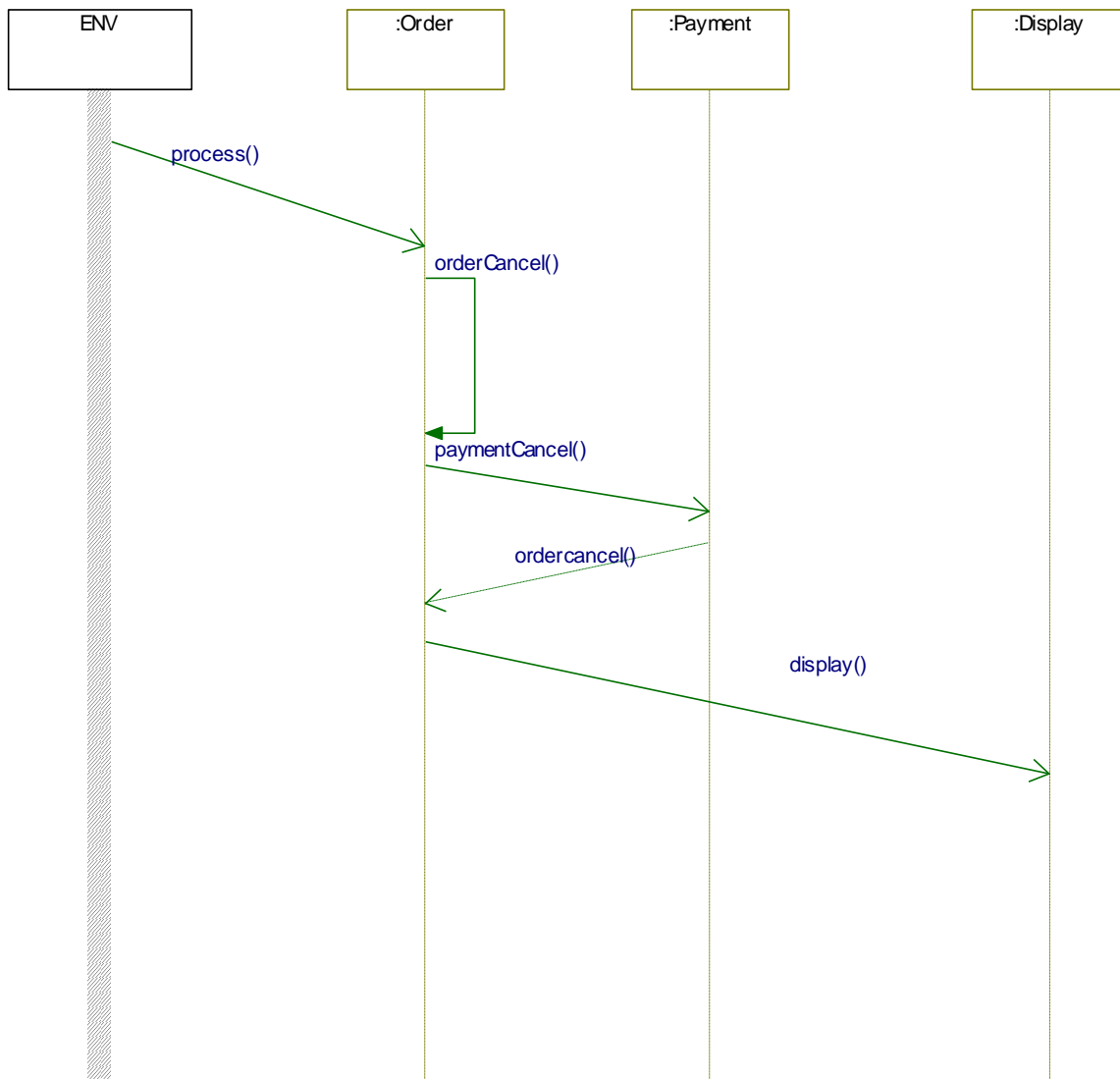
Properties:

ClassCentricMode: True

RealizeMessages: True

CleanupRealized: True

CancelPayment



Overridden Properties

Subjects:

Format

Metaclasses:

ReplyMessage

Properties:

Line.LineWidth: 0

Font.FontColor: 0,0,128

Font.Font: Arial

Line.LineStyle: 1

Font.Size: 10

Line.LineColor: 0,112,0

InstanceLineProperties:

Line.LineWidth: 0
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,96,437
Font.Size: 10
Line.LineColor: 121,122,0

MessageProperties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Font.Size: 10
Line.LineColor: 0,112,0

EnvironmentLineProperties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,96,437
Font.Size: 10
Line.LineColor: 0,0,0

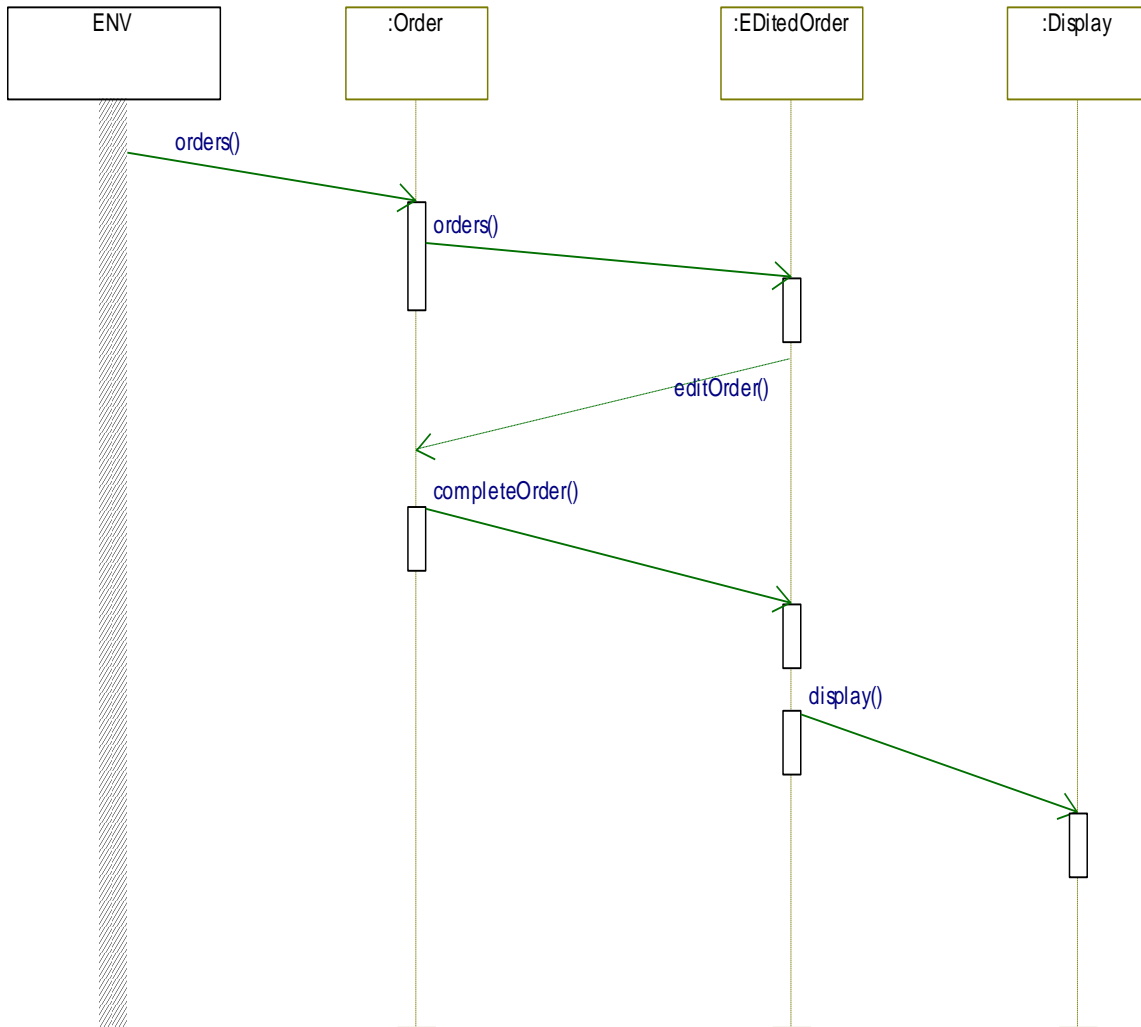
SequenceDiagramMetaclasses:**SequenceDiagram**Properties:

FillColor: 255,0,255

GeneralProperties:

ClassCentricMode: True
RealizeMessages: True
CleanupRealized: True

EditOrder



Overridden Properties

Subjects:

Format

Metaclasses:

execution_occurrence

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Font.Size: 10

Line.LineColor: 0,0,0

ReplyMessage

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,128
Font.Font: Arial
Line.LineStyle: 1
Font.Size: 10
Line.LineColor: 0,112,0

InstanceLine

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,96,437
Font.Size: 10
Line.LineColor: 121,122,0

Message

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Font.Size: 10
Line.LineColor: 0,112,0

EnvironmentLine

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,96,437
Font.Size: 10
Line.LineColor: 0,0,0

SequenceDiagram

Metaclasses:

SequenceDiagram

Properties:

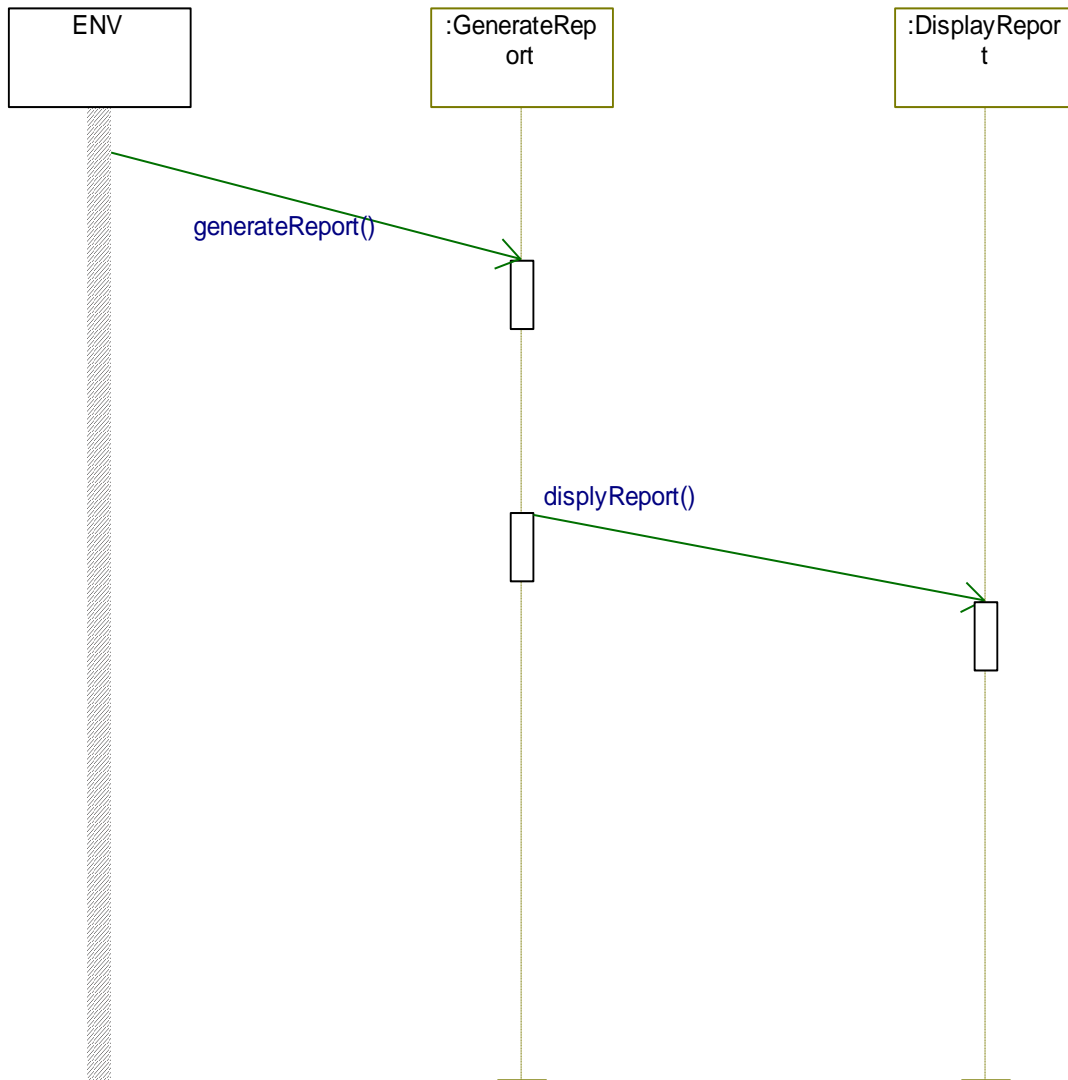
FillColor: 255,192,203

General

Properties:

ClassCentricMode: True
RealizeMessages: True
CleanupRealized: True

GenerateReport



Overridden Properties

Subjects:

Format

Metaclasses:

execution_occurrence

Properties:

Line.LineWidth: 1

Font.FontColor: 0,0,0

Font.Font: Arial

Font.Size: 10

Line.LineColor: 0,0,0

InstanceLine

Properties:

Line.LineWidth: 0
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,96,437
Font.Size: 10
Line.LineColor: 121,122,0

Message

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,128
Font.Font: Arial
Font.Size: 10
Line.LineColor: 0,112,0

EnvironmentLine

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,96,437
Font.Size: 10
Line.LineColor: 0,0,0

SequenceDiagram

Metaclasses:

SequenceDiagram

Properties:

FillColor: 60,179,113

General

Properties:

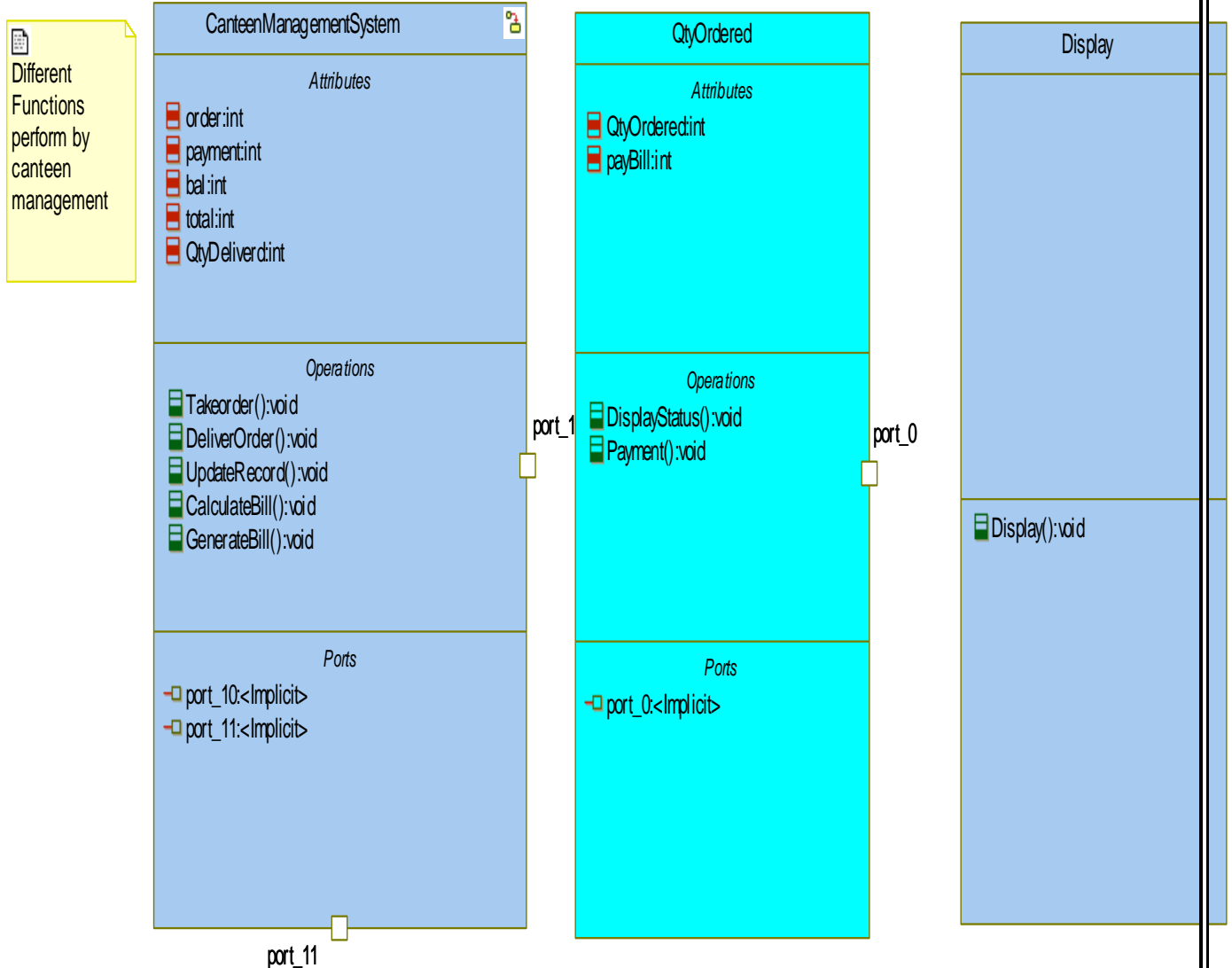
ClassCentricMode: True
RealizeMessages: True
CleanupRealized: True

GLOBALS:

OBJECT MODEL DIAGRAMS

CanteenManagementSystem

OBJECT MODEL DIAGRAM FOR CANTEEN MANAGEMENT SYSTEM



Overridden Properties

Subjects:

Format

Metaclasses:

Class

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,34,84,148
Font.Size: 10
Line.LineColor: 121,122,0

FreeText

Properties:

Font.Height: 13
Fill.Transparent_Fill: 1
Multiline: True
Line.Transparent: 1
Wordbreak: False
VertAlign: 0
HorzAlign: 0
Font.Font: Arial
Font.Size: 10

Comment

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,207
DefaultSize: 0,0,84,96
Font.Size: 10
Line.LineColor: 225,225,0

Object

Properties:

Font.Underline@Child.NameCompartment@Name: 1
Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial

Fill.FillColor: 255,255,255
Line.LineStyle: 0
DefaultSize: 0,34,84,148
Font.Size: 10
Line.LineColor: 121,122,0

Port

Properties:

Line.LineWidth: 1
Font.FontColor: 0,0,0
Font.Font: Arial
Fill.FillColor: 255,255,255
DefaultSize: 0,0,68,73
Font.Size: 10
Line.LineColor: 121,122,0

Model1

COMPONENTS

DefaultComponent

Language: C++

COMPONENT SETTINGS:

Build type: Executable

CONFIGURATIONS:

DefaultConfig

Scope type: Explicit

Instrumentation type: Animation

Time-model type: Real-time

Statechart generation type: Flat

FILES AND FOLDERS:

E - R DIAGRAM

