System Analysis-1 Project

<table>
<tr><td>Rules</td><td colspan="3">1) Grades:
- Data Flow Diagram (2 points)
- Class Diagram (3 points)
- Activity Diagram (3 points)
- Sequence Diagram (3 points)
- Use Case Diagram (2 points)
- Front End (5 points)
- We are going to ask each member a question. (2 points)
2) You must attend the project discussion on time, because if you came one minute late you will lose 5 points.
3) You don’t have to print the diagrams; you can explain everything on your laptop.
4) DON’T FORGET TO PRINT THE COVER SHEET BEFORE THE DISCUSSION AND FILL YOUR NAME AND ID.</td></tr>
<tr><td rowspan="7">Team Members</td><td>Name</td><td>ID</td><td>Grade</td></tr>
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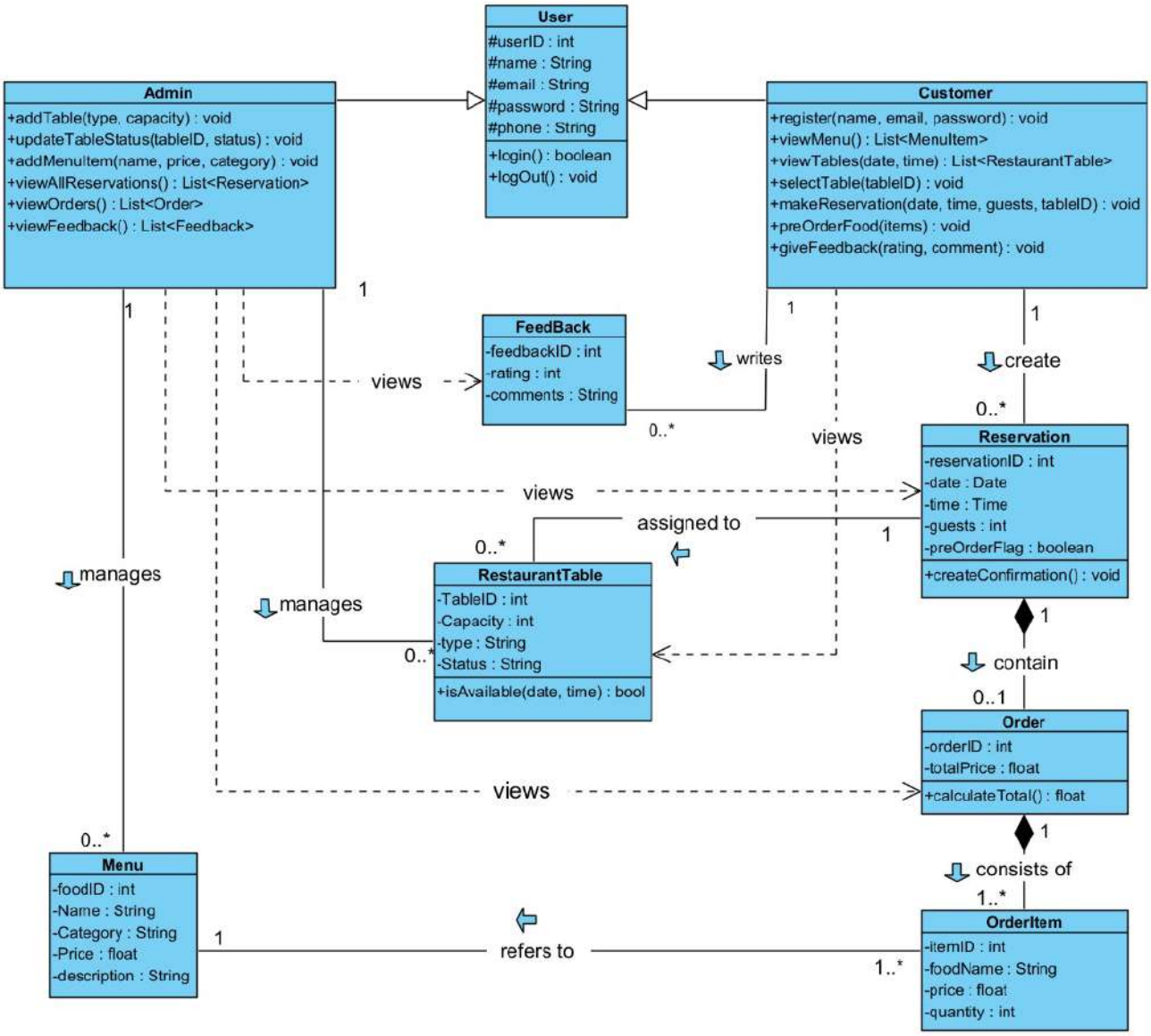
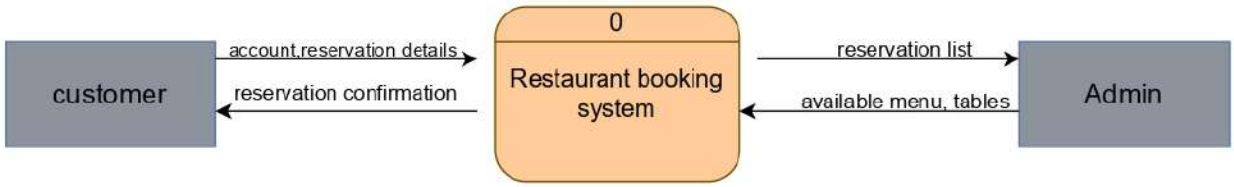
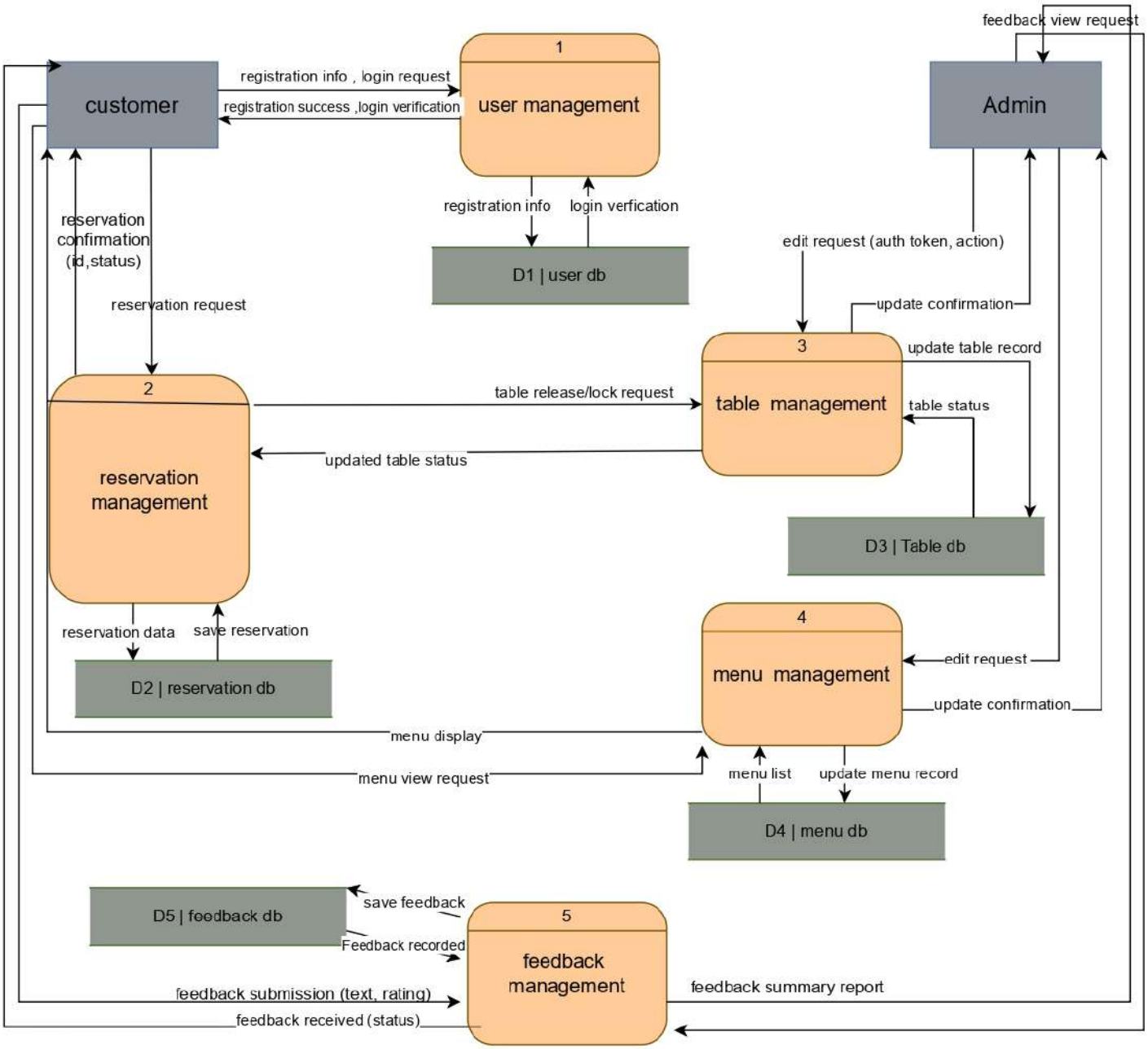
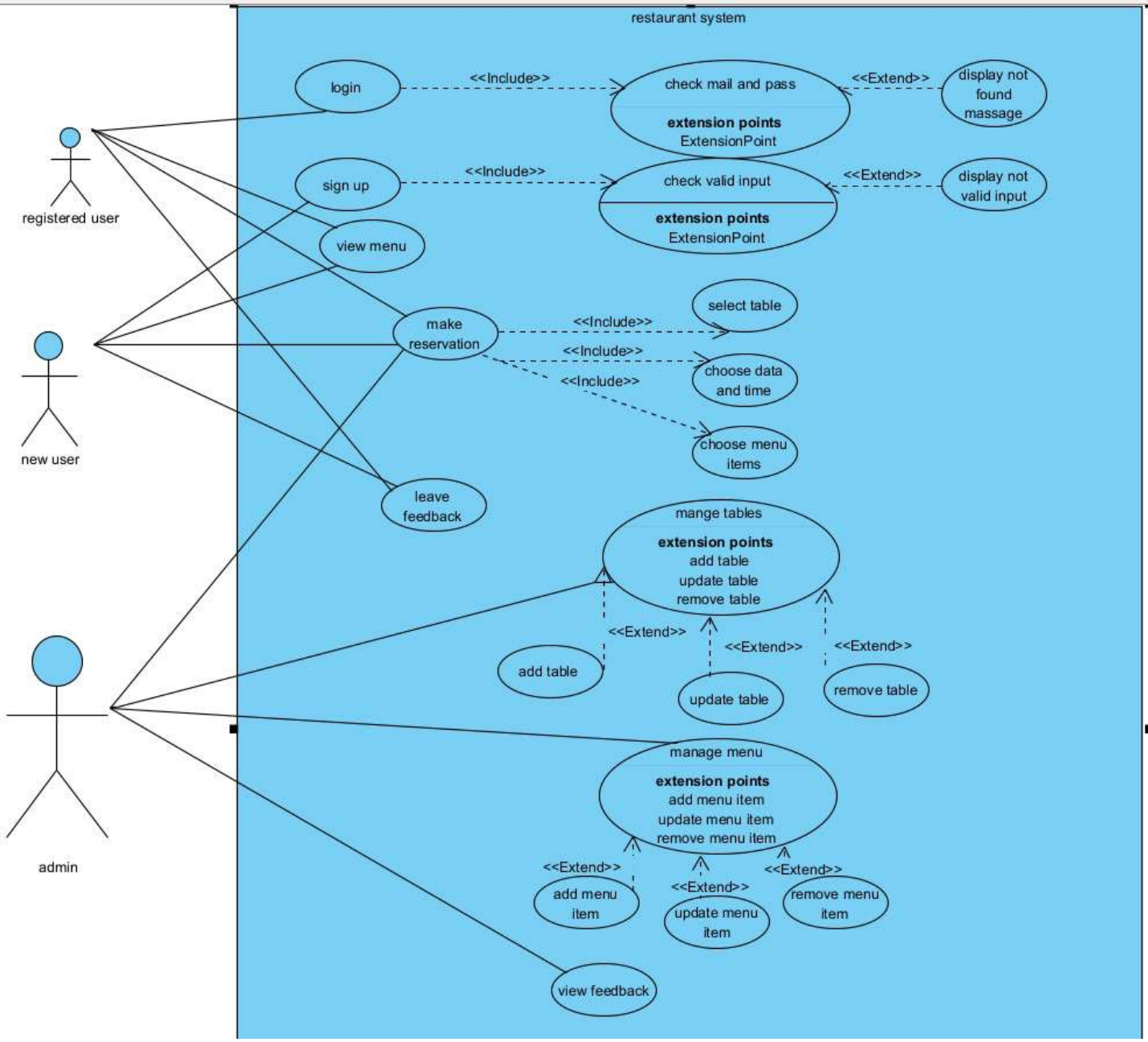

User
#userID : int
#name : String
#email : String
#password : String
#phone : String
+login() : boolean
+logOut() : void
Admin
+addTable(type, capacity) : void
+updateTableStatus(tableID, status) : void
+addMenuItem(name, price, category) : void
+viewAllReservations() : List<Reservation>
+viewOrders() : List<Order>
+viewFeedback() : List<Feedback>
Customer
+register(name, email, password) : void
+viewMenu() : List<MenuItem>
+viewTables(date, time) : List<RestaurantTable>
+selectTable(tableID) : void
+makeReservation(date, time, guests, tableID) : void
+preOrderFood(items) : void
+giveFeedback(rating, comment) : void
FeedBack
-feedbackID : int
-rating : int
-comments : String
writes
create
views
Reservation
-reservationID : int
-date : Date
-time : Time
-guests : int
-preOrderFlag : boolean
+createConfirmation() : void
assigned to
manages
manages
RestaurantTable
-TableID : int
-Capacity : int
-type : String
-Status : String
+isAvailable(date, time) : bool
contain
Order
-orderID : int
-totalPrice : float
+calculateTotal() : float
consists of
Menu
-foodID : int
-Name : String
-Category : String
-Price : float
-description : String
refers to
OrderItem
-itemID : int
-foodName : String
-price : float
-quantity : int
1
0..*
1..*
0..1

level 0

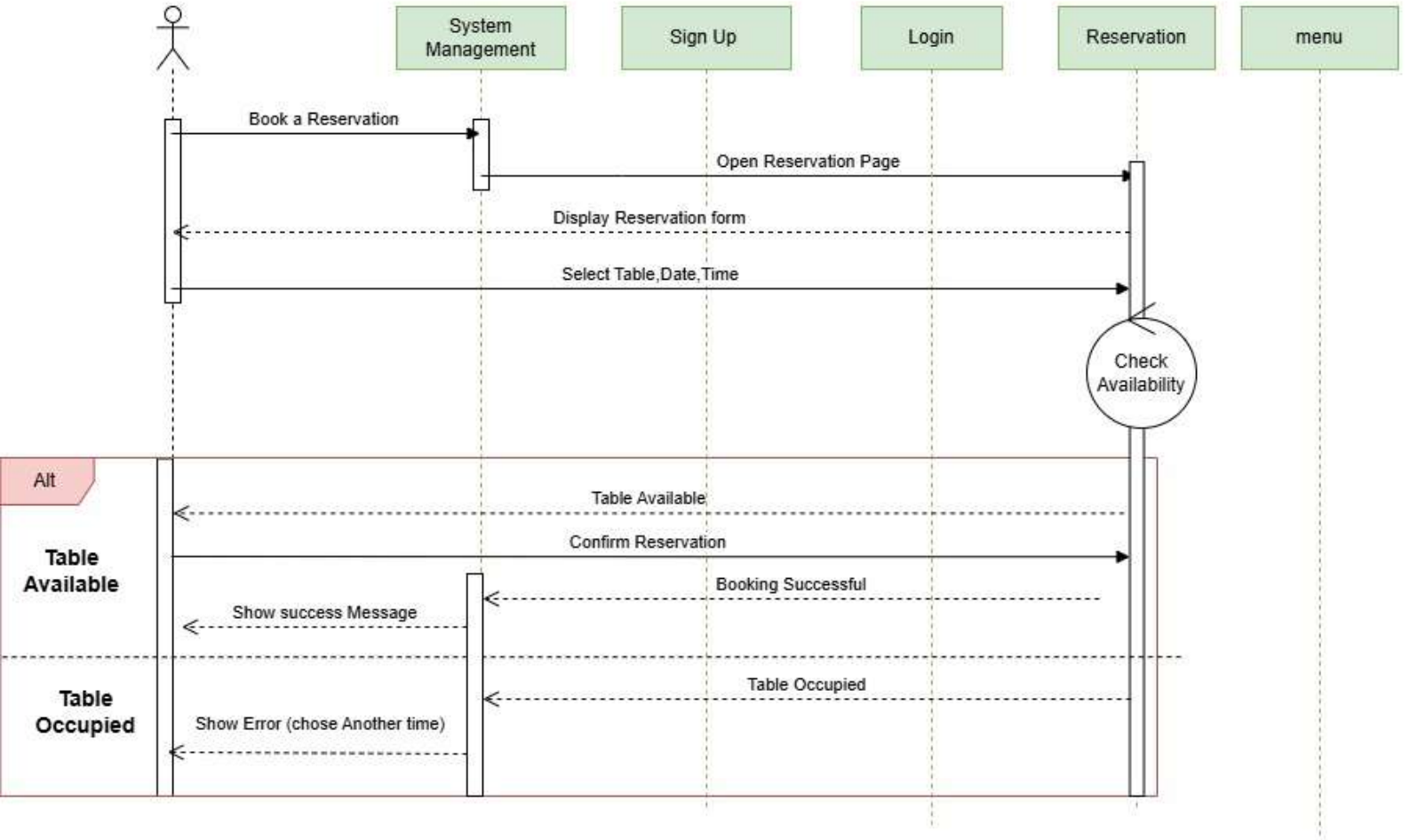


level 1

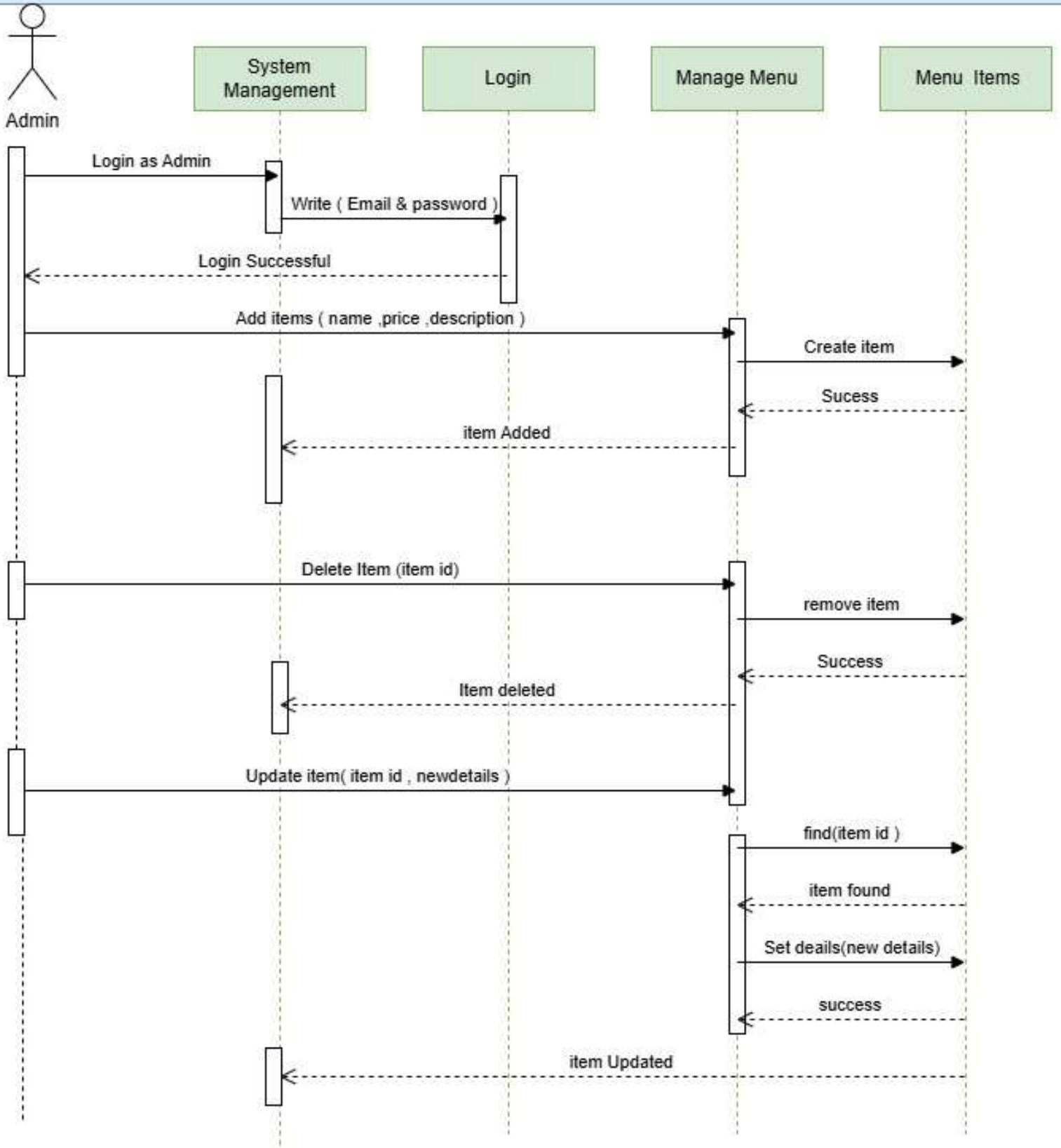


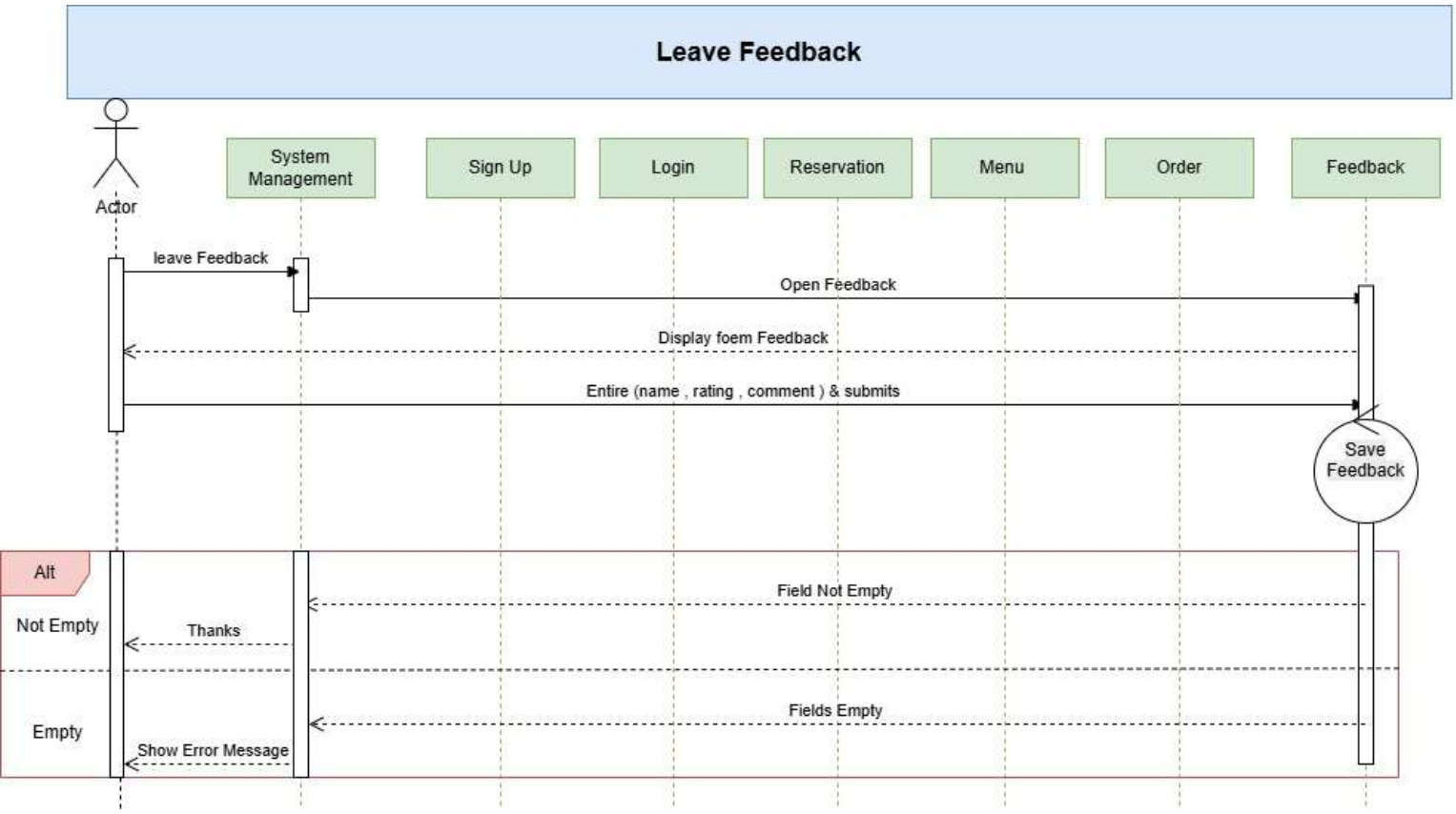

restaurant system
login
<<Include>>
check mail and pass
extension points
ExtensionPoint
<<Extend>>
display not found massage
sign up
<<Include>>
check valid input
extension points
ExtensionPoint
<<Extend>>
display not valid input
registered user
view menu
make reservation
<<Include>>
select table
<<Include>>
choose data and time
<<Include>>
choose menu items
new user
leave feedback
mange tables
extension points
add table
update table
remove table
<<Extend>>
add table
<<Extend>>
update table
<<Extend>>
remove table
admin
manage menu
extension points
add menu item
update menu item
remove menu item
<<Extend>>
add menu item
<<Extend>>
update menu item
<<Extend>>
remove menu item
view feedback

Book Table

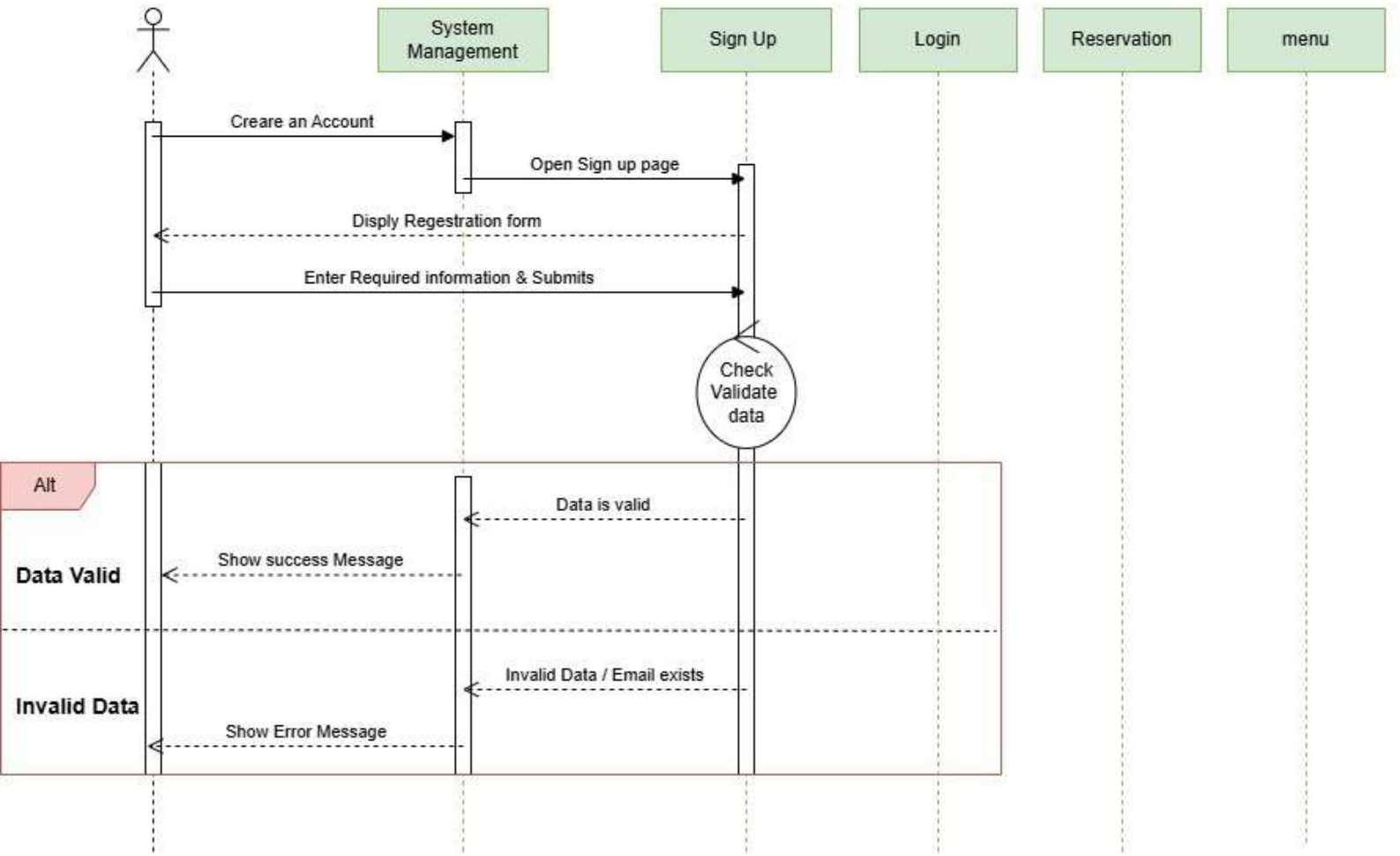

System Management
Sign Up
Login
Reservation
menu
Book a Reservation
Open Reservation Page
Display Reservation form
Select Table,Date,Time
Check Availability
Alt
Table Available
Confirm Reservation
Booking Successful
Show success Message
Table Occupied
Show Error (chose Another time)

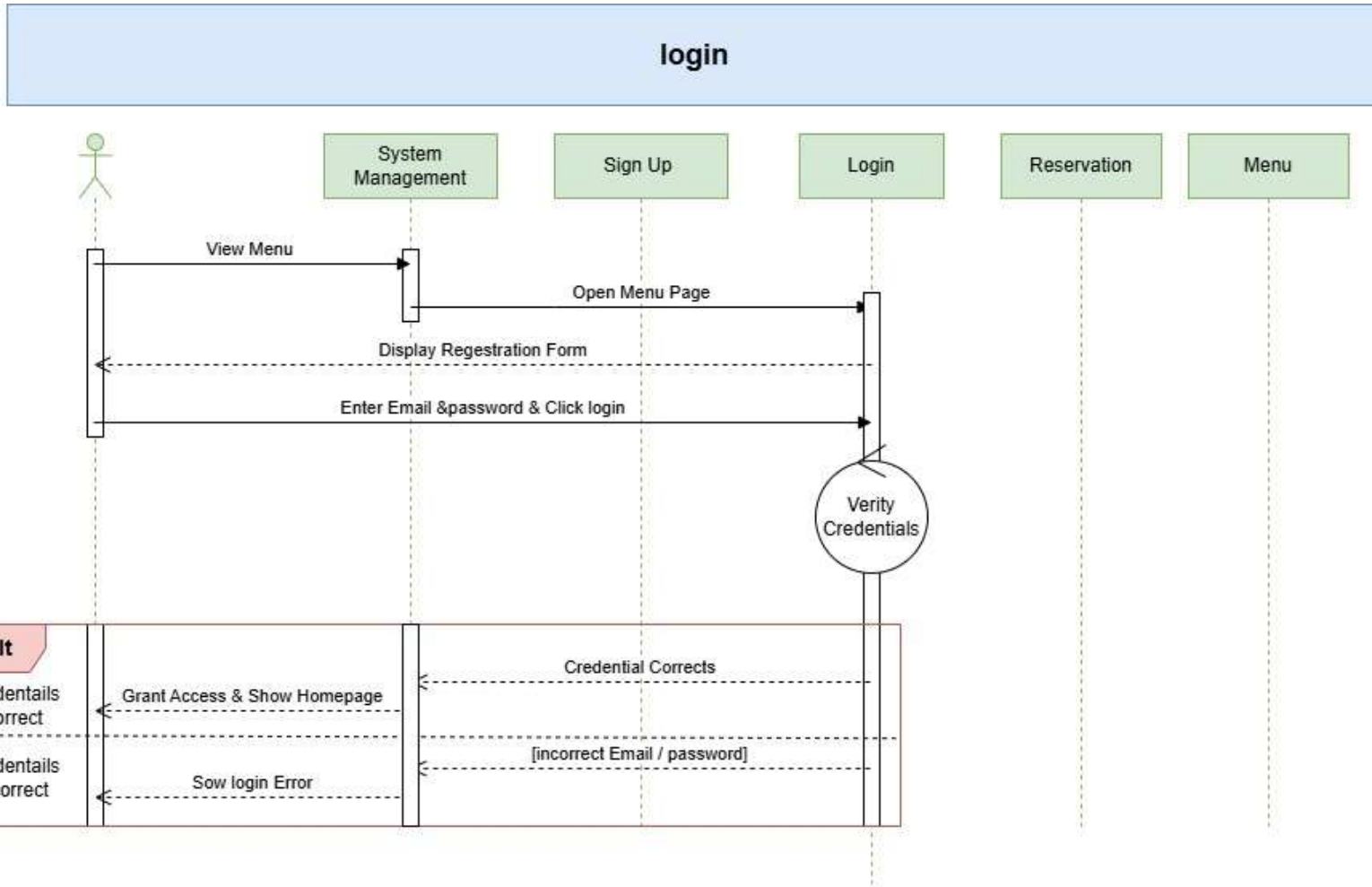
Manage Menu


Admin
System Management
Login
Manage Menu
Menu Items
Login as Admin
Write (Email & password)
Login Successful
Add items (name ,price ,description)
Create item
Sucess
item Added
Delete Item (item id)
remove item
Success
Item deleted
Update item(item id , newdetails)
find(item id)
item found
Set deails(new details)
success
item Updated

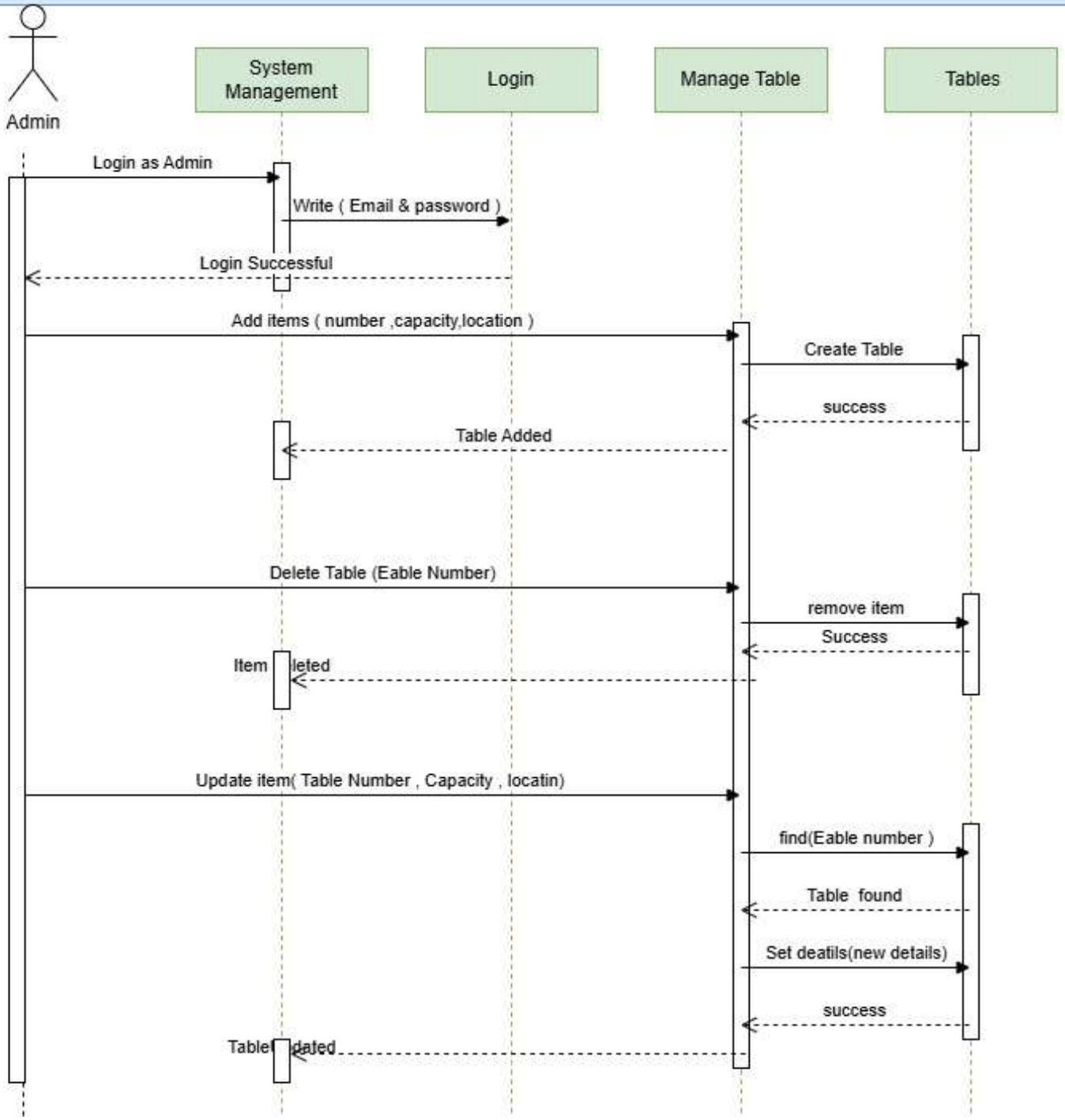

Leave Feedback
Actor
System Management
Sign Up
Login
Reservation
Menu
Order
Feedback
leave Feedback
Open Feedback
Display foem Feedback
Entire (name , rating , comment) & submits
Save Feedback
Alt
Not Empty
Thanks
Field Not Empty
Empty
Show Error Message
Fields Empty

Create User Account

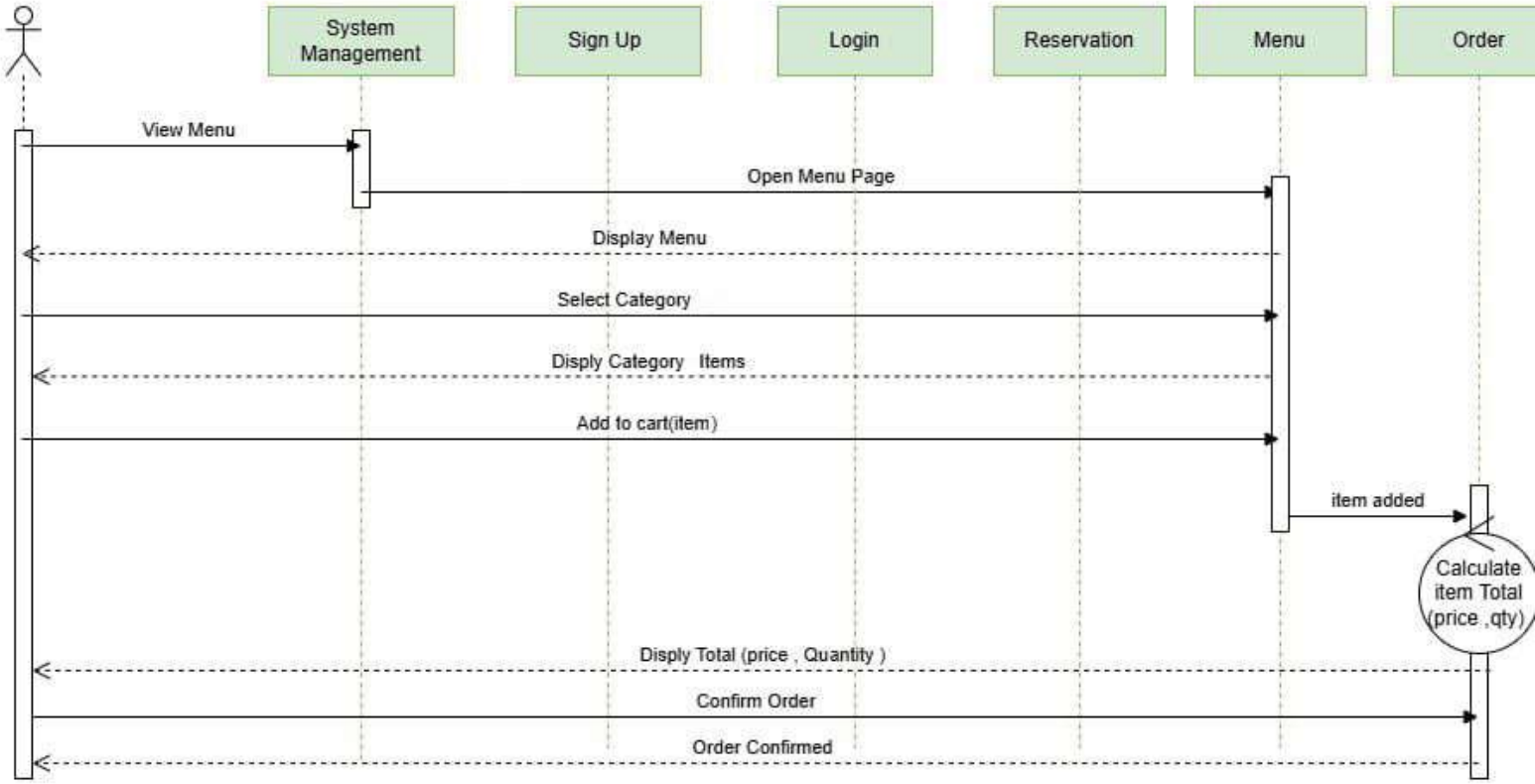



login
System Management
Sign Up
Login
Reservation
Menu
View Menu
Open Menu Page
Display Regestration Form
Enter Email &password & Click login
Verity Credentials
Alt
Credentails Correct
Grant Access & Show Homepage
Credential Corrects
Credentails Incorrect
Sow login Error
[incorrect Email / password]

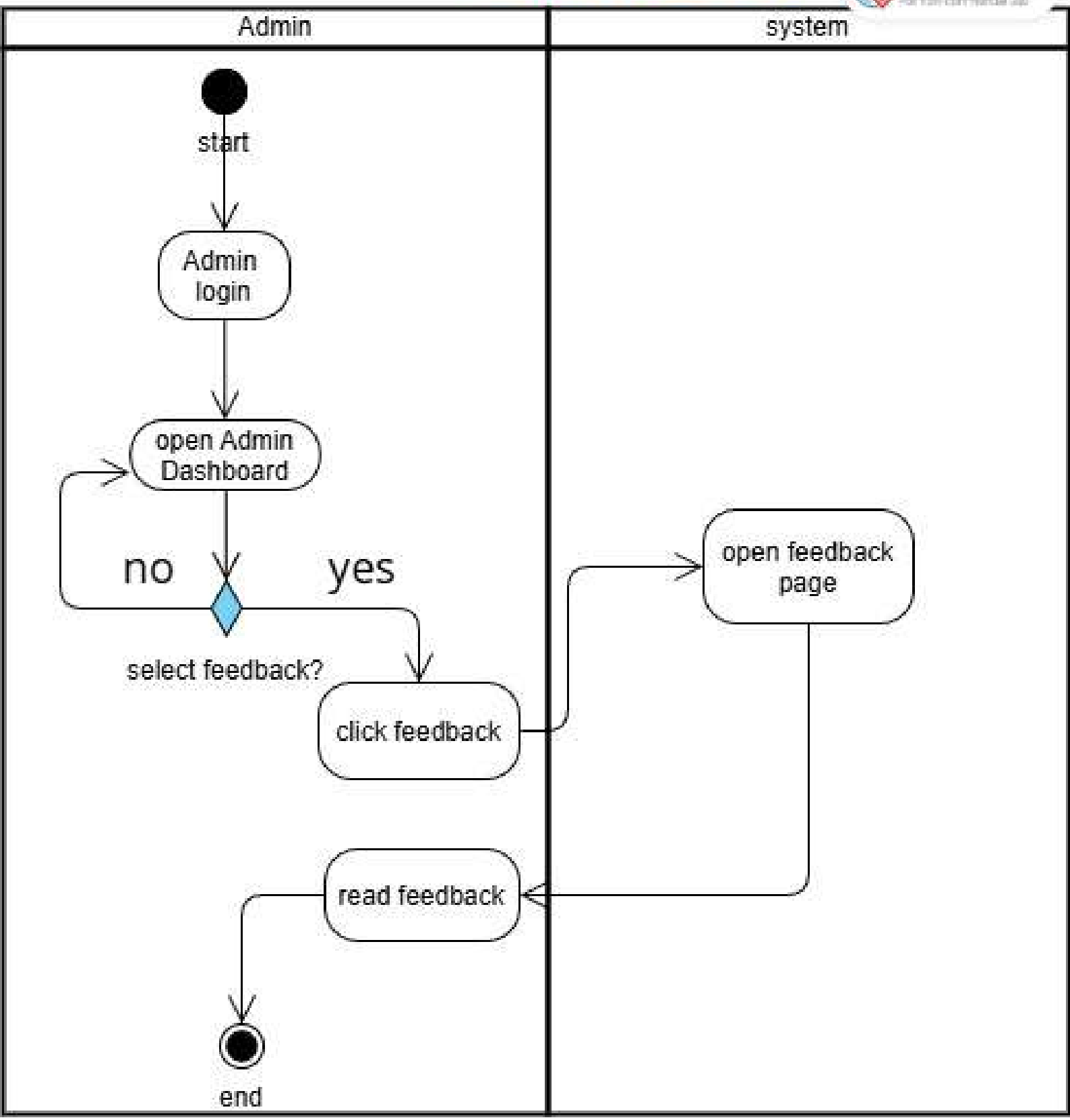
Manage Table



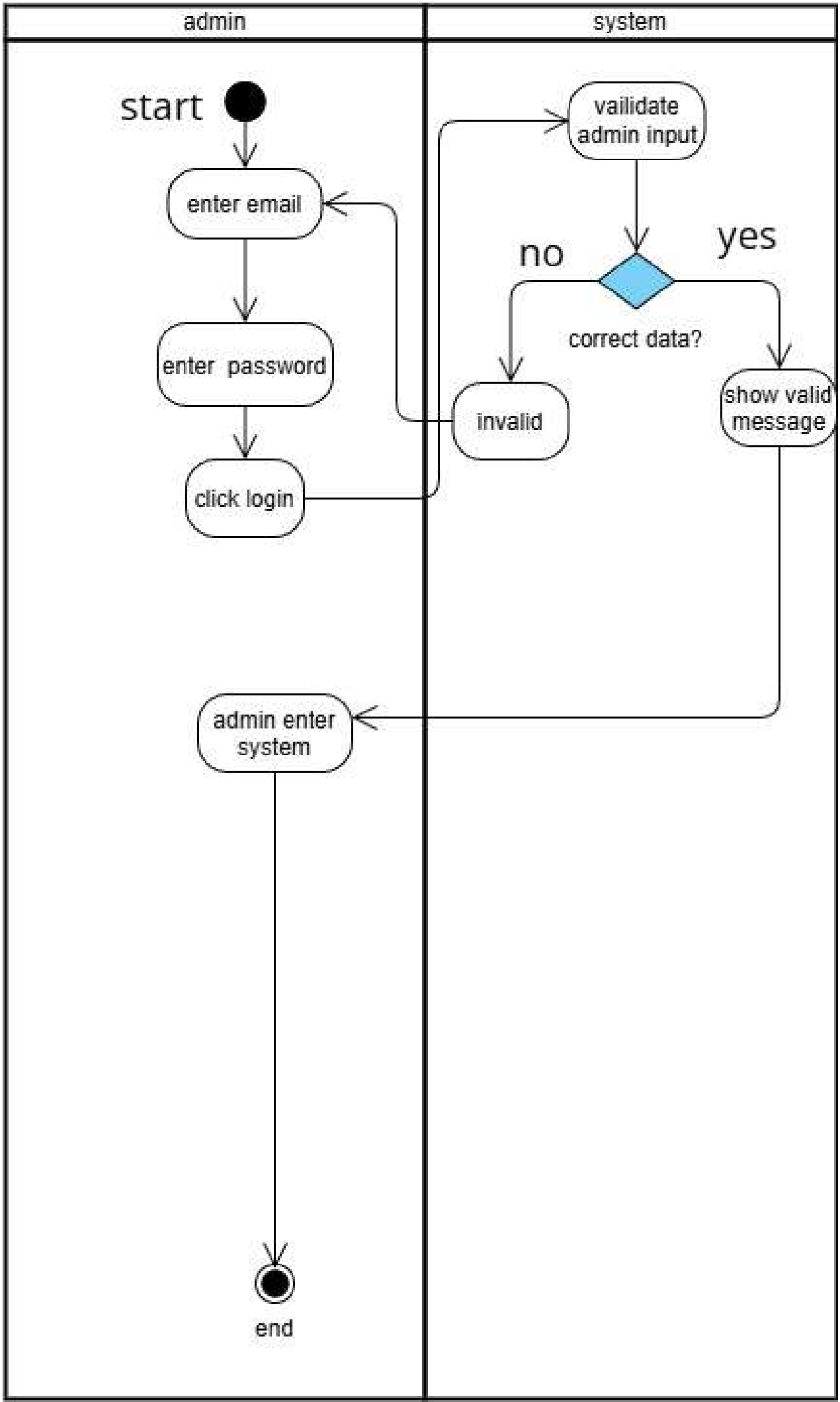
View Menu & Reqest an Order



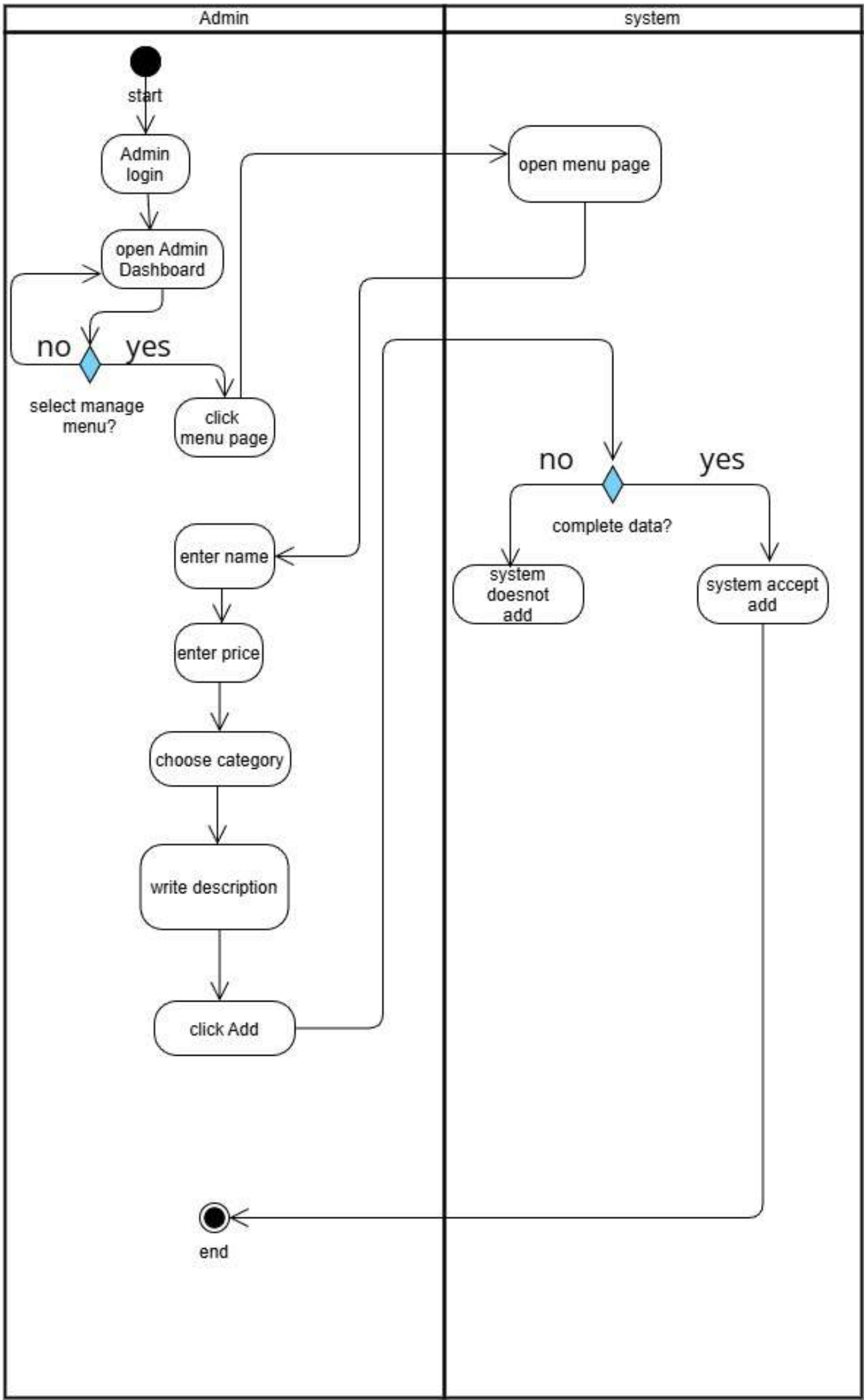
Admin feedback



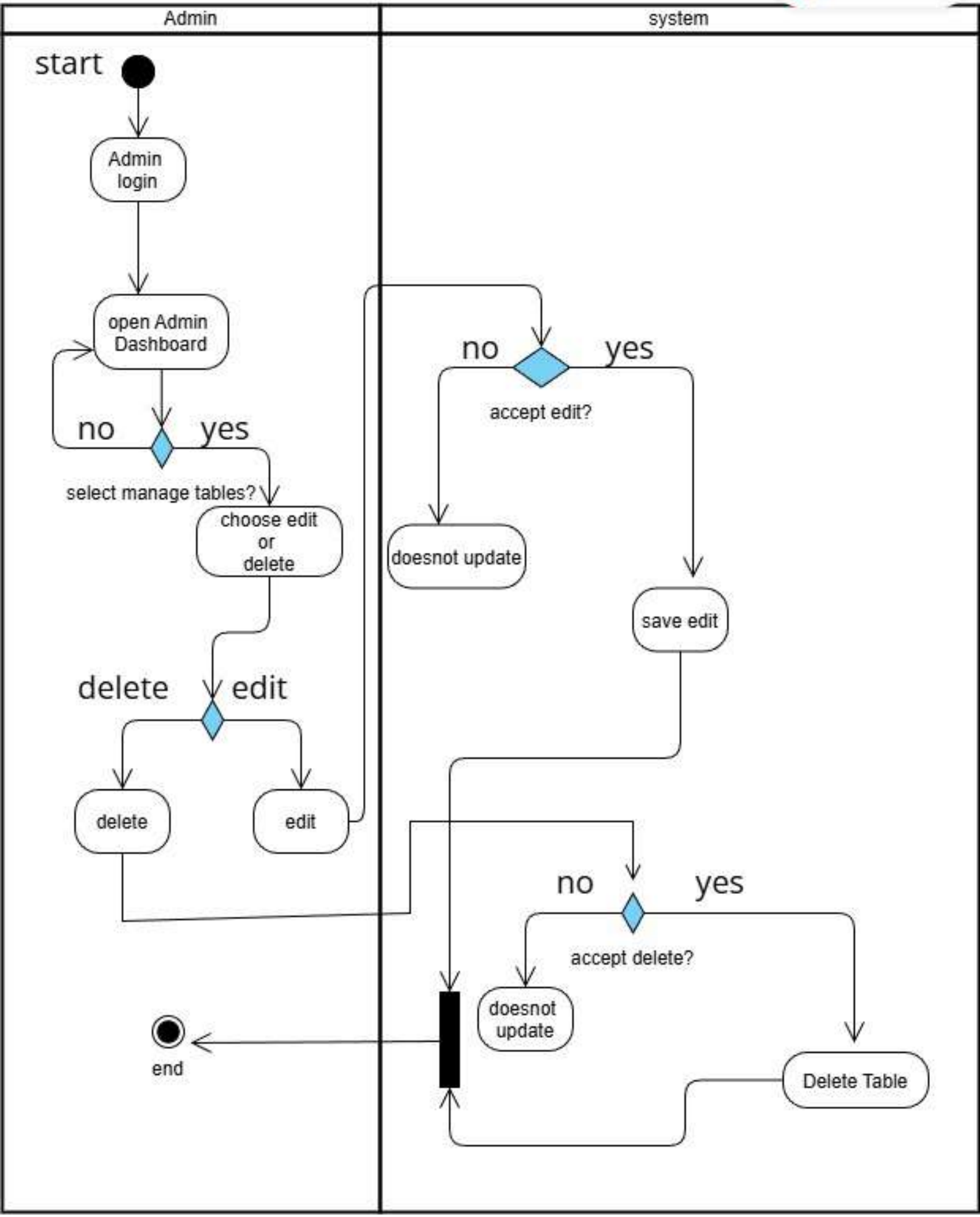
Admin login


admin
system
start
enter email
enter password
click login
vailidate admin input
no
yes
correct data?
invalid
show valid message
admin enter system
end

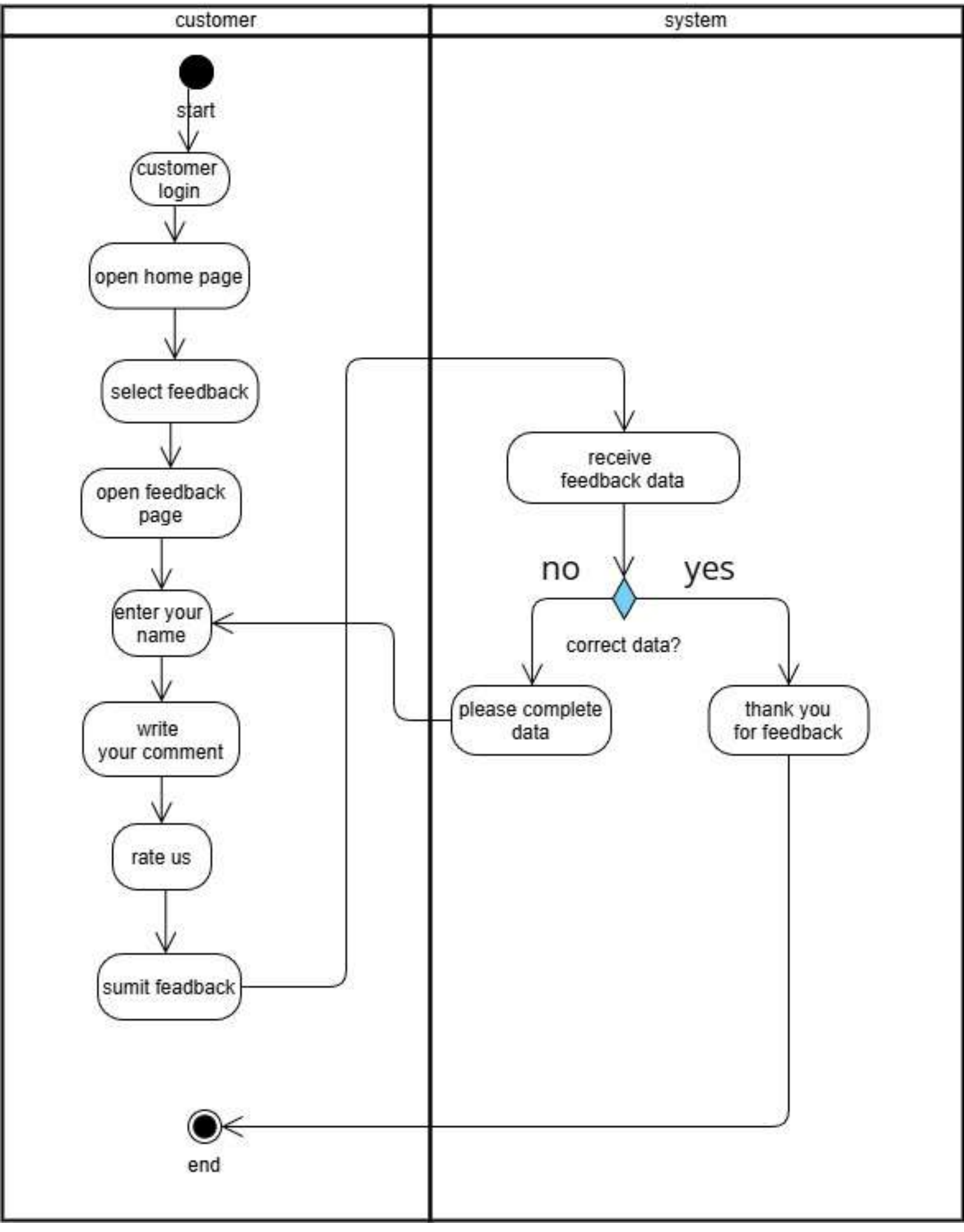
Admin manage menu



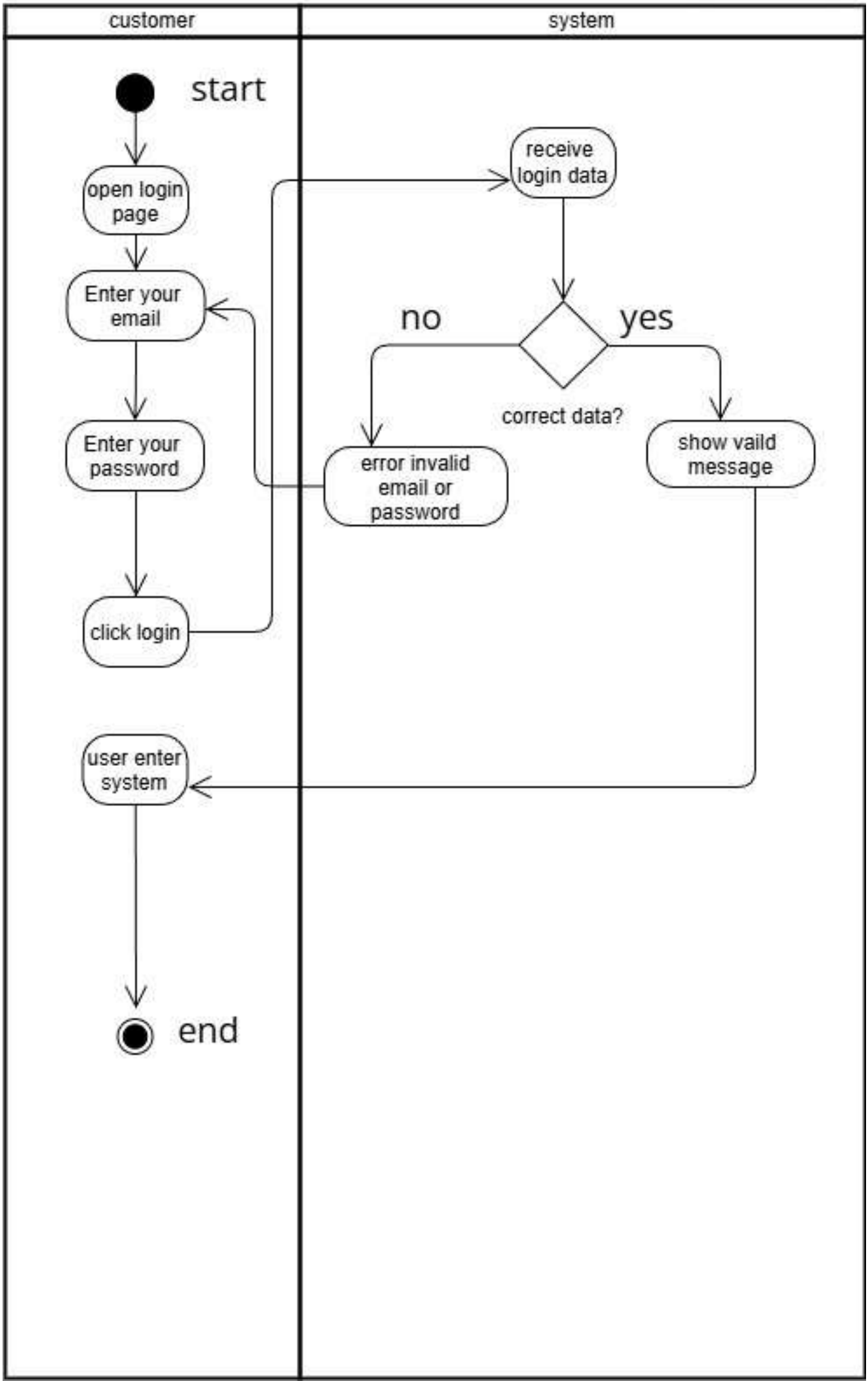
Admin updates

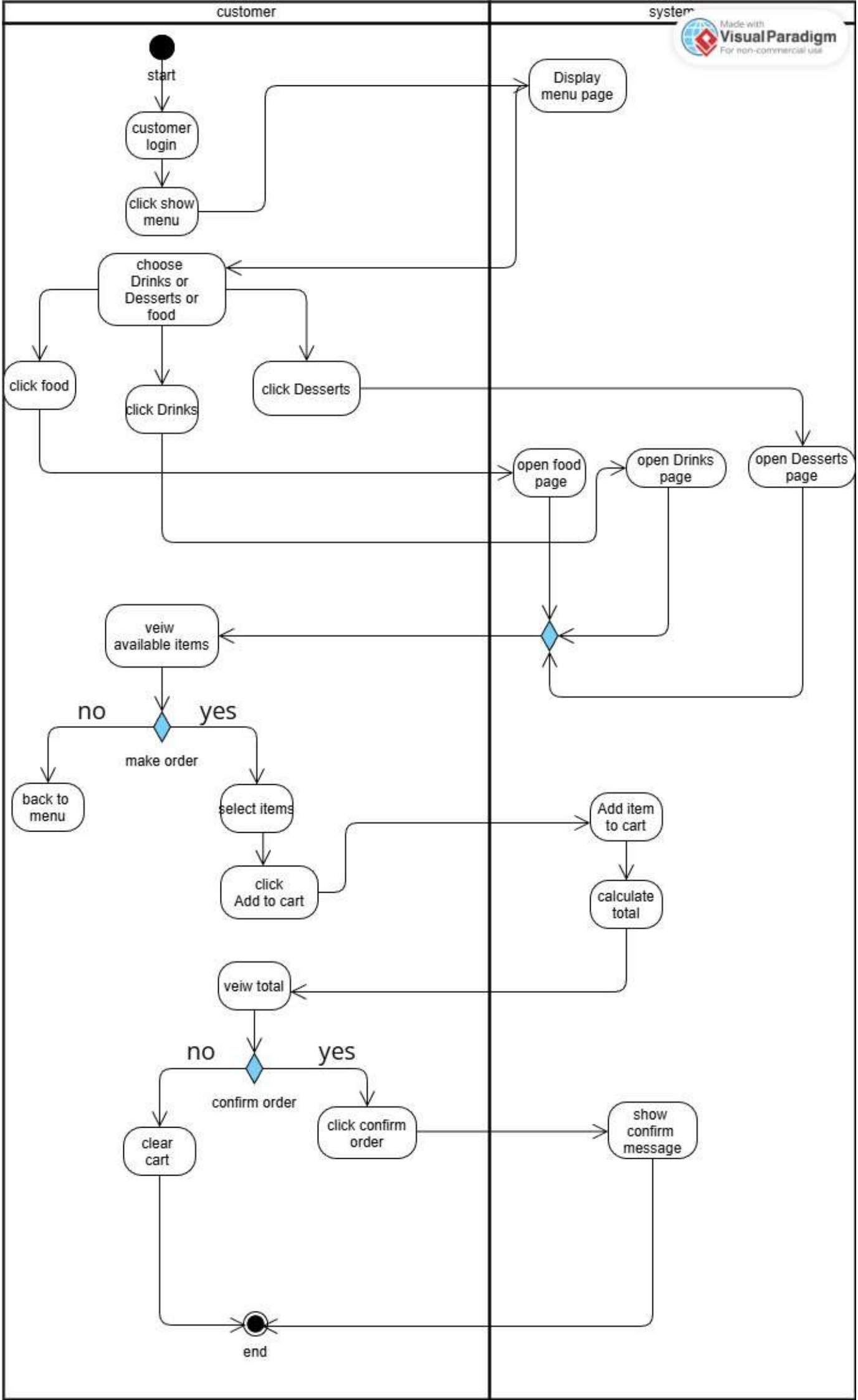


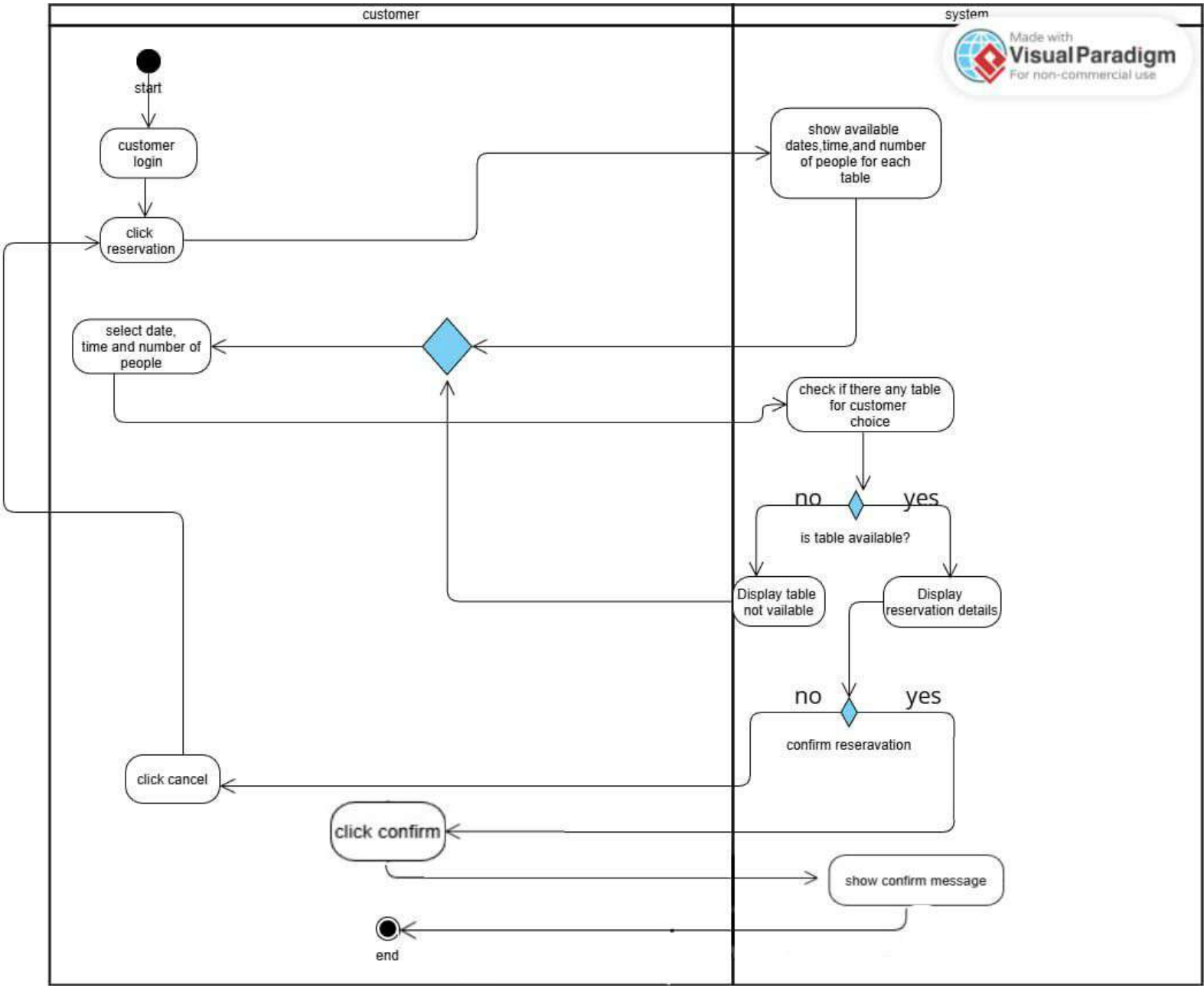
customer feedback



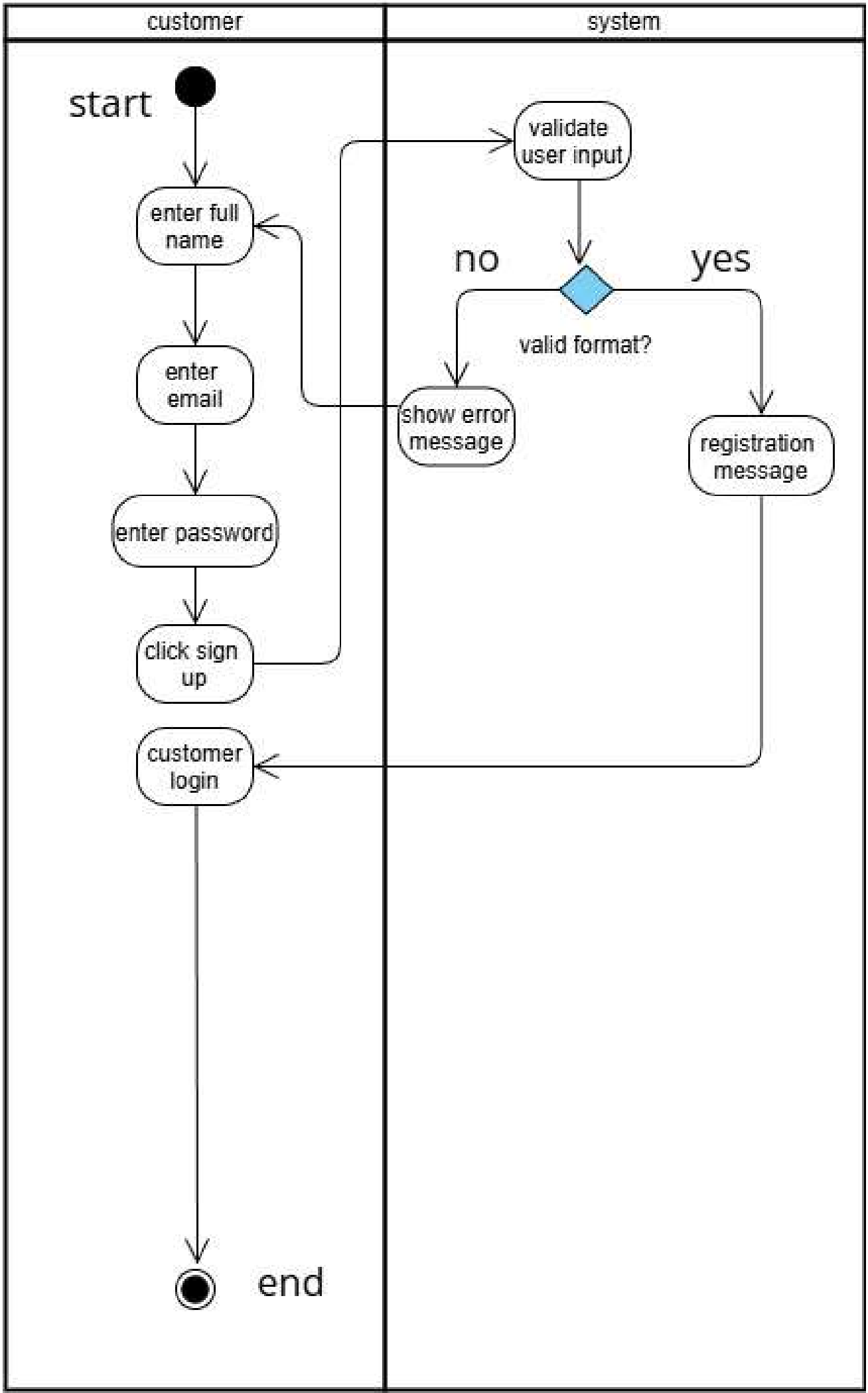
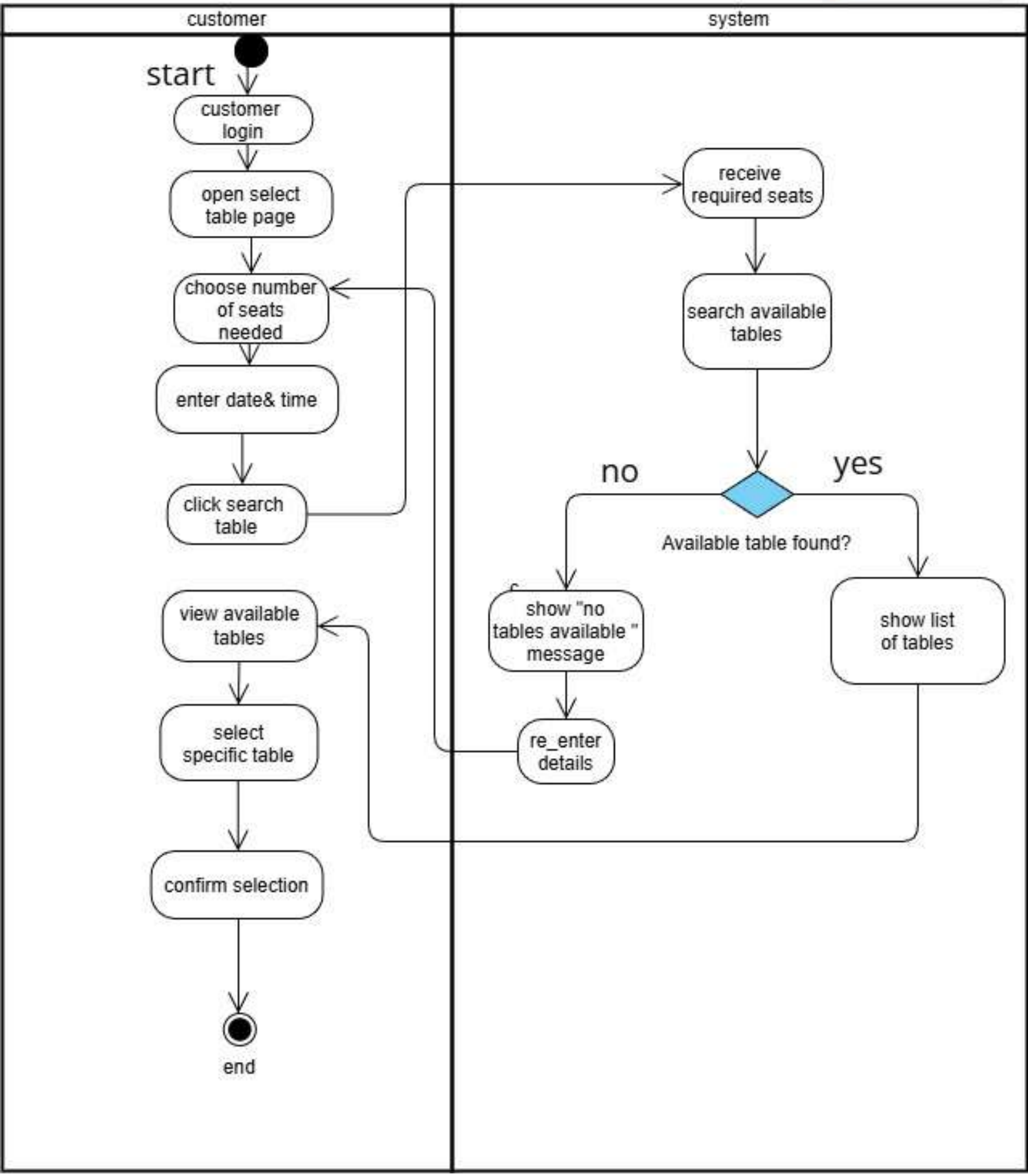
customer login




customer
system
start
customer login
click show menu
Display menu page
choose Drinks or Desserts or food
click food
click Drinks
click Desserts
open food page
open Drinks page
open Desserts page
veiw available items
no
yes
make order
back to menu
select items
click Add to cart
Add item to cart
calculate total
veiw total
no
yes
confirm order
clear cart
click confirm order
show confirm message
end


customer
system
start
customer login
click reservation
show available dates,time,and number of people for each table
select date, time and number of people
check if there any table for customer choice
no
yes
is table available?
Display table not vailable
Display reservation details
no
yes
confirm reseravation
click cancel
click confirm
show confirm message
end

customer signup



customer select table