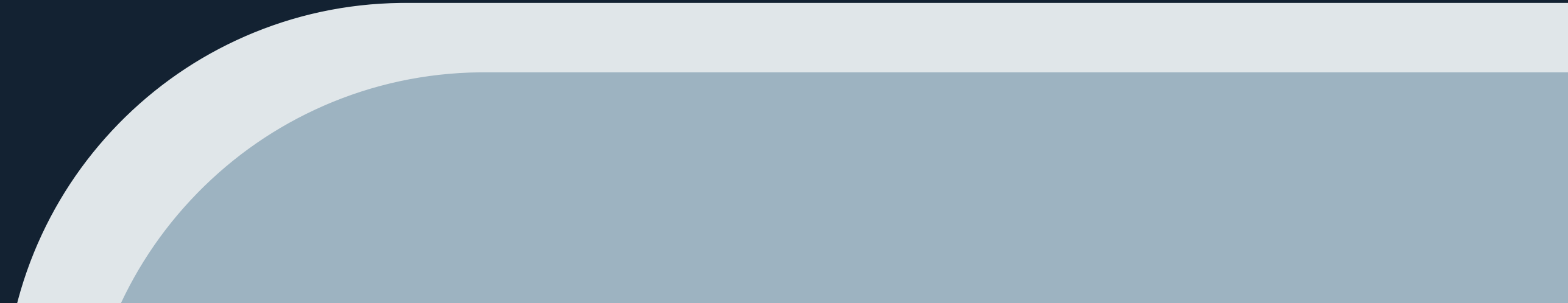# BUSSINESS GALORE

A project of Software-Modeling Foundations

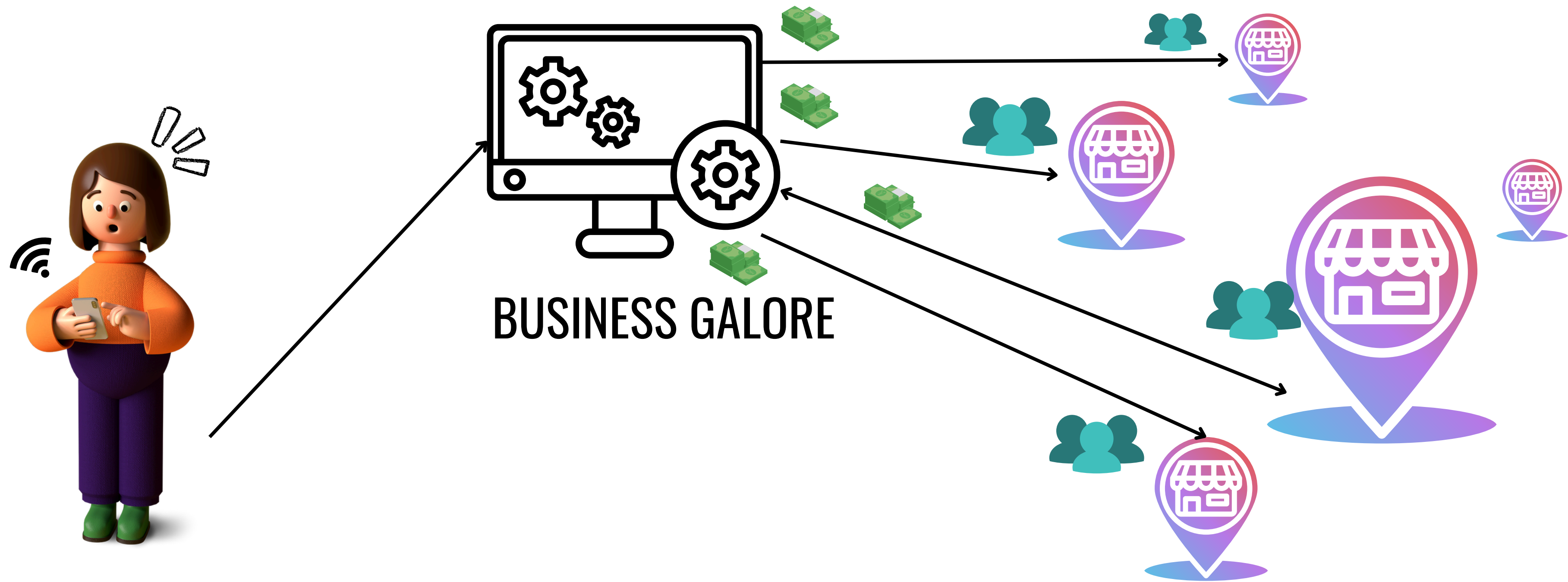By: Julian David Celis Giraldo
and
Catalina Ariza Ardila

INDEX

BUSINESS MODEL

BUSINESS GALORE

USER STORIES

MANAGER (ADMINISTRATOR)

- AS A MANAGER, I WANT TO BE ABLE TO REGISTER MY SHOP IN THE APPLICATION SO THAT CUSTOMERS CAN LEARN ABOUT MY BUSINESS.

- AS A MANAGER, I WANT TO HAVE A SPACE TO LIST SERVICES, DETAILS, AND THE SERVICE HOURS, SO THAT CUSTOMERS ARE WELL INFORMED ABOUT THESE ASPECTS.

- AS A MANAGER, I WANT TO HAVE A SPACE TO SHOWCASE IN DETAIL THE WORKS OR SERVICES OFFERED IN MY SHOP, SO THAT CUSTOMERS CAN CHECK IF IT'S WHAT THEY ARE LOOKING FOR.

- AS A MANAGER, I WANT TO BE ABLE TO SHOW BASIC INFORMATION ABOUT MY EMPLOYEES ON THE SHOP'S PROFILE, SO THAT CUSTOMERS CAN SEE RELEVANT DETAILS AND CHOOSE WHO THEY WANT TO SCHEDULE WITH.

- AS A USER, I WANT TO REGISTER TO HAVE MY PROFILE IN THE APP AND ADD BASIC PERSONAL INFORMATION.

USER STORIES

CUSTOMER

- AS A CUSTOMER, I WANT TO SEARCH FOR SHOPS BY NAME OR CODE FOR CONVENIENCE.

- AS A CUSTOMER, I WANT TO SCHEDULE ONE OR MORE SERVICES TO BE ATTENDED.

- AS A CUSTOMER, I WANT TO HAVE DIFFERENT PAYMENT OPTIONS IN THE APPLICATION FOR CONVENIENCE.

- AS A CUSTOMER, I WANT TO SEE A SUMMARY OF MY APPOINTMENTS, BOTH PAST AND FUTURE, TO KEEP TRACK OF THE SERVICES I'VE TAKEN AND THE ONES I HAVE SCHEDULED.

- AS A CUSTOMER, I WANT TO BE ABLE TO RATE THE SERVICE I RECEIVED AT THE SHOP AFTER MY APPOINTMENT, TO HELP OTHER CUSTOMERS MAKE INFORMED DECISIONS AND PROVIDE FEEDBACK TO THE SHOP.

USER STORIES
EMPLOYEE

- AS A SHOP EMPLOYEE, I WANT TO RECEIVE NOTIFICATIONS FROM CUSTOMERS WHO CHOSE MY SERVICE.

- AS A SHOP EMPLOYEE, I WANT MY PROFESSIONAL INFORMATION AND THE SHOP WHERE I WORK TO BE VISIBLE IN THE APPLICATION, SO THAT CUSTOMERS CAN LEARN ABOUT MY SKILLS AND SELECT THE SERVICES I OFFER.

- AS A SHOP EMPLOYEE, I WANT TO BE ABLE TO RATE CUSTOMERS AFTER COMPLETING A SERVICE, TO HELP MAINTAIN A HISTORY OF CUSTOMER BEHAVIOR AND IMPROVE SERVICE QUALITY IN THE FUTURE.

APPLICATION PROCESSES AND COMPONENTS

Processes:

Sign in

Log in

Create shop

Shearch shops

Find services

Schedule appointment

Components:

Users:
- Manager (Administrator)
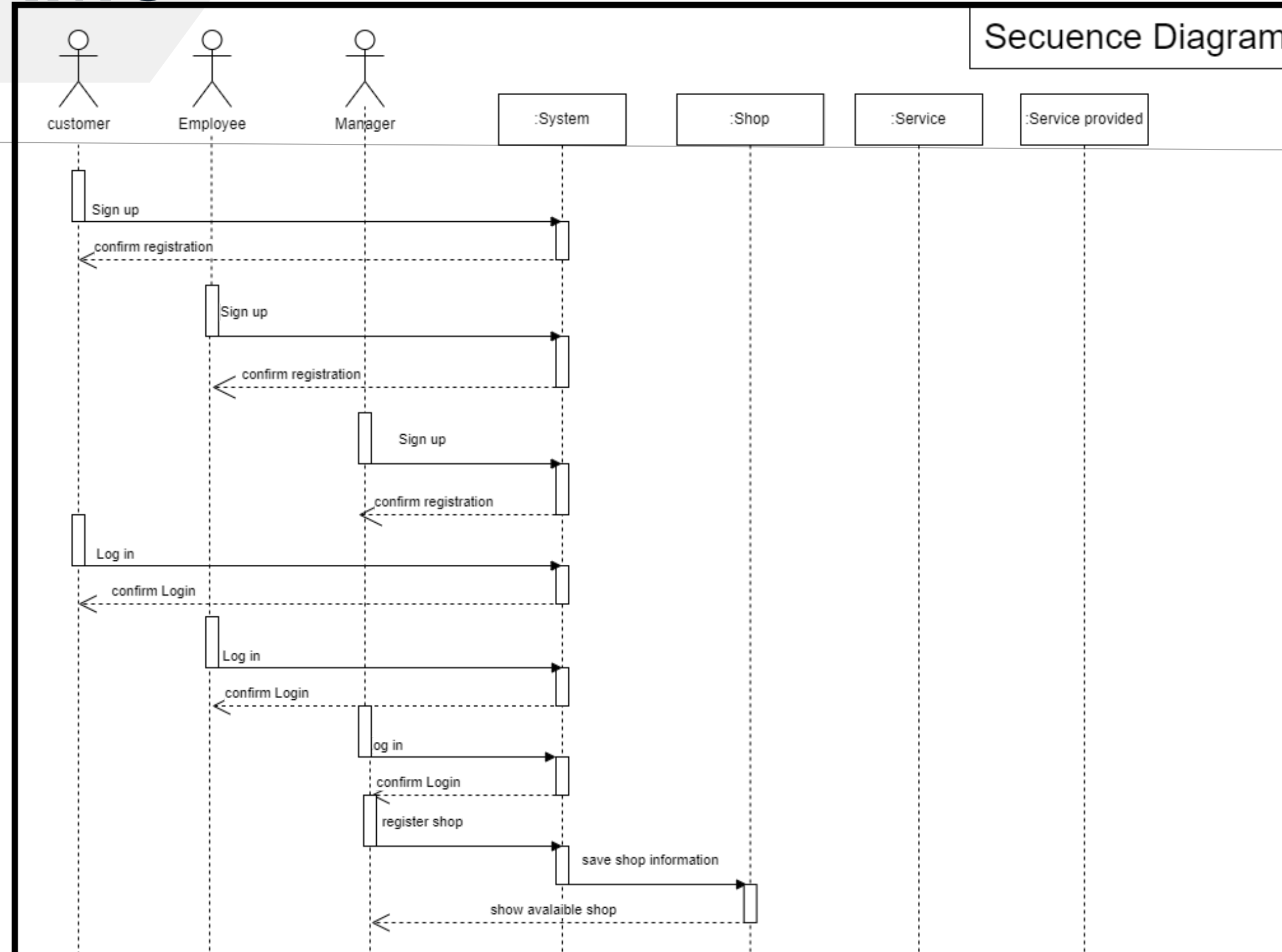- Employee
- Customer

POO:
- SOLID

Functionalities:
- Store Registration and Administration.
- Service Scheduling.
- Service Management.
- Qualifications.
- Notifications.

SECUENCY DIAGRAMS
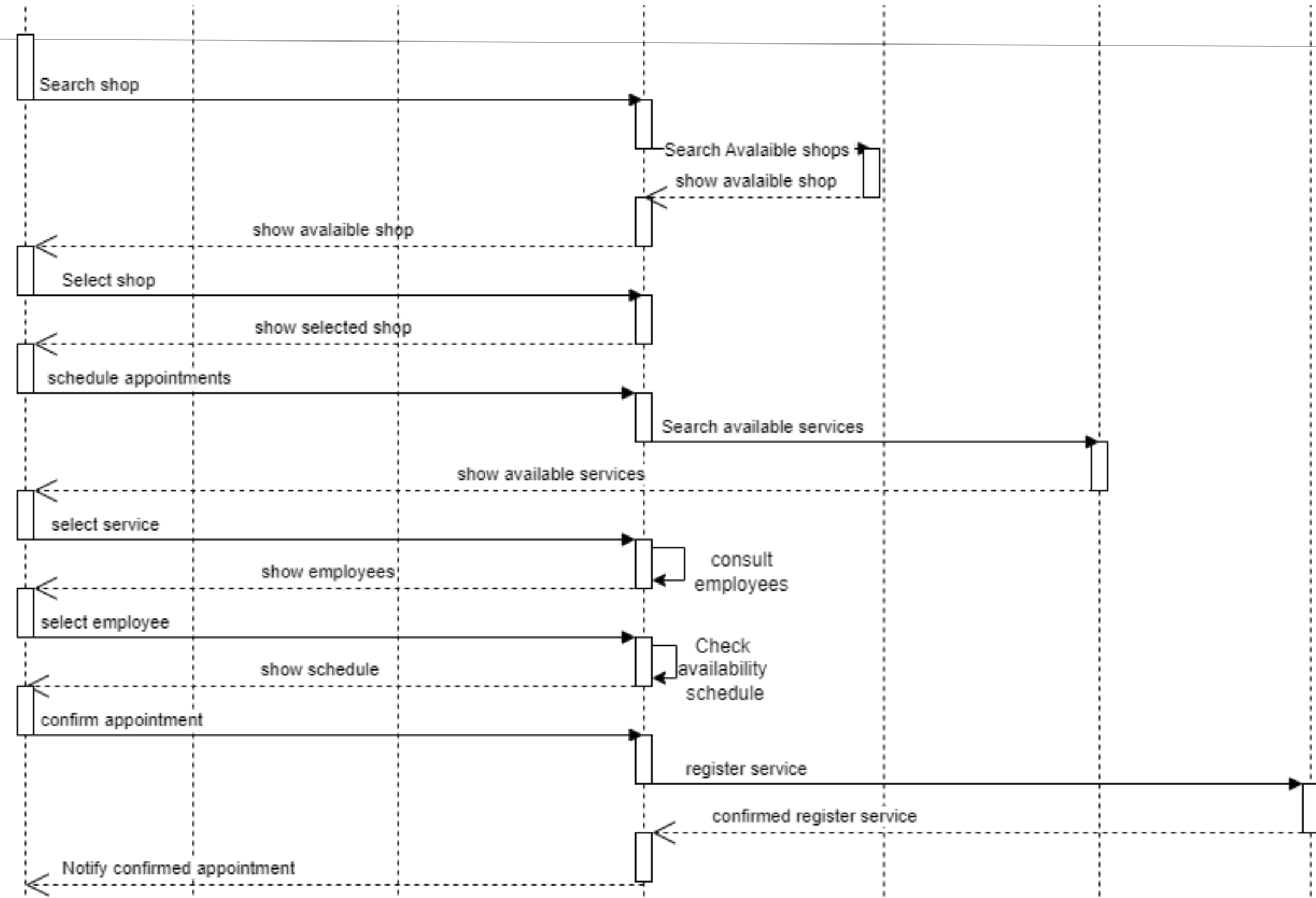
SECUENCY DIAGRAMS

SECUENCY DIAGRAMS
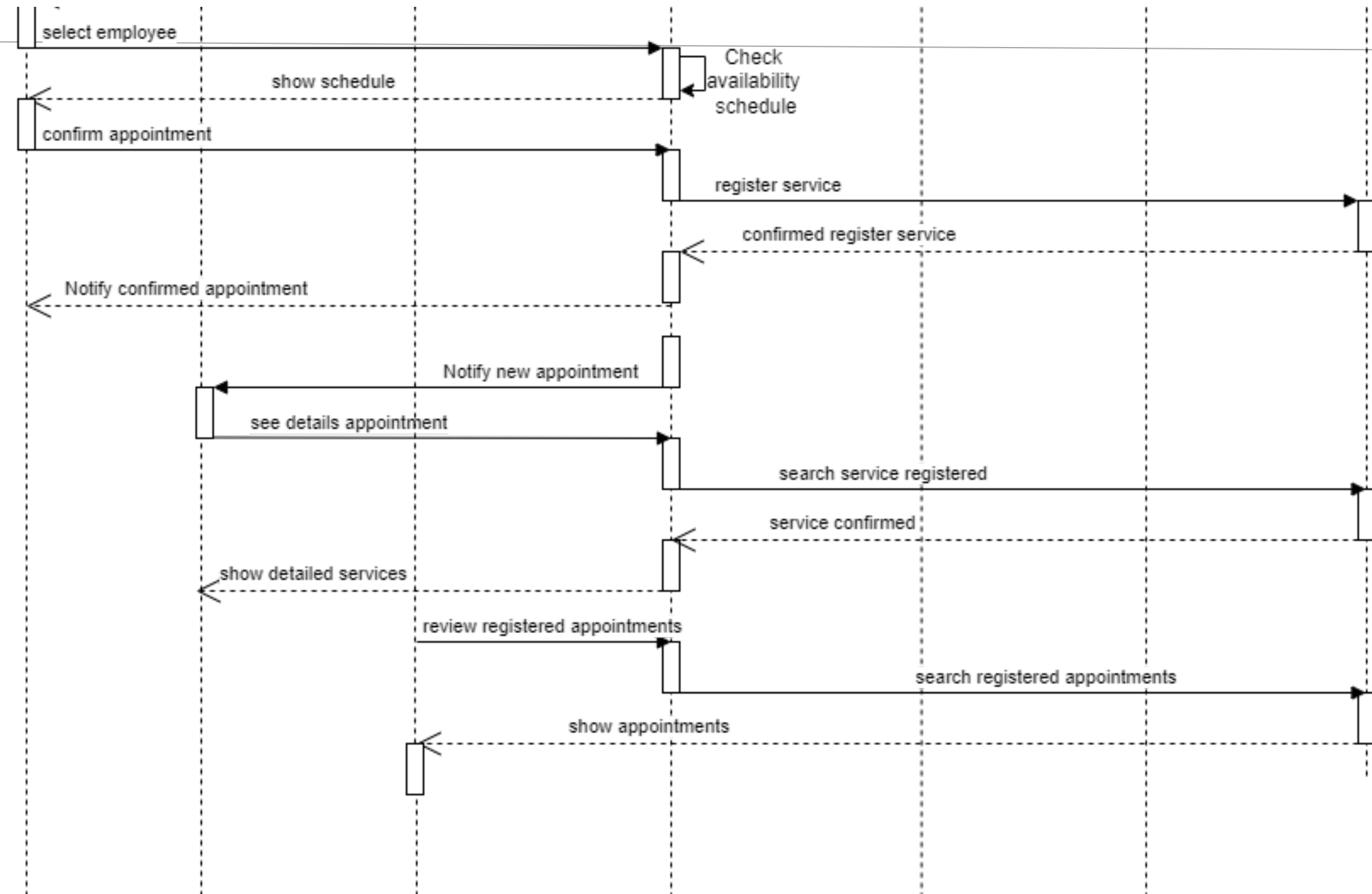
ACTIVITY DIAGRAMS
BUSINESS MANAGER

User history: Manager
(Shop registration)

Manager	System

- Application to register a shop
- Validate if the manager has already created a store
- Cannot create more shops
- Show data to be entered
- Enter data
- Blank data or invalid characters
- Validate data provided
- Publish shop
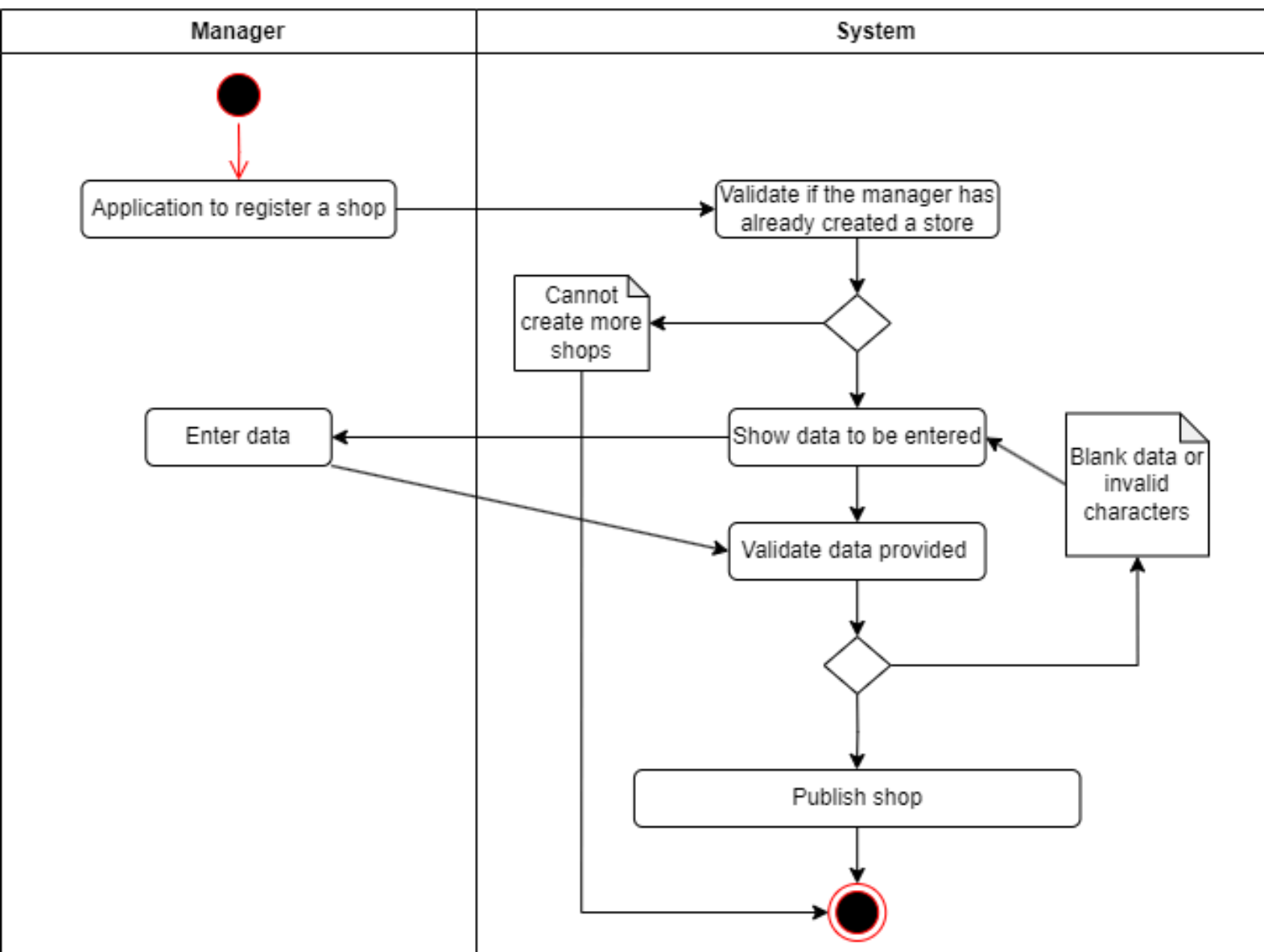
User history: Manager
(Add service)

Manager	System

- Add service request
- Show service form fields
- Fill data
- Validate data
- Blank data or invalid characters
- Save data in service list
- Save data message
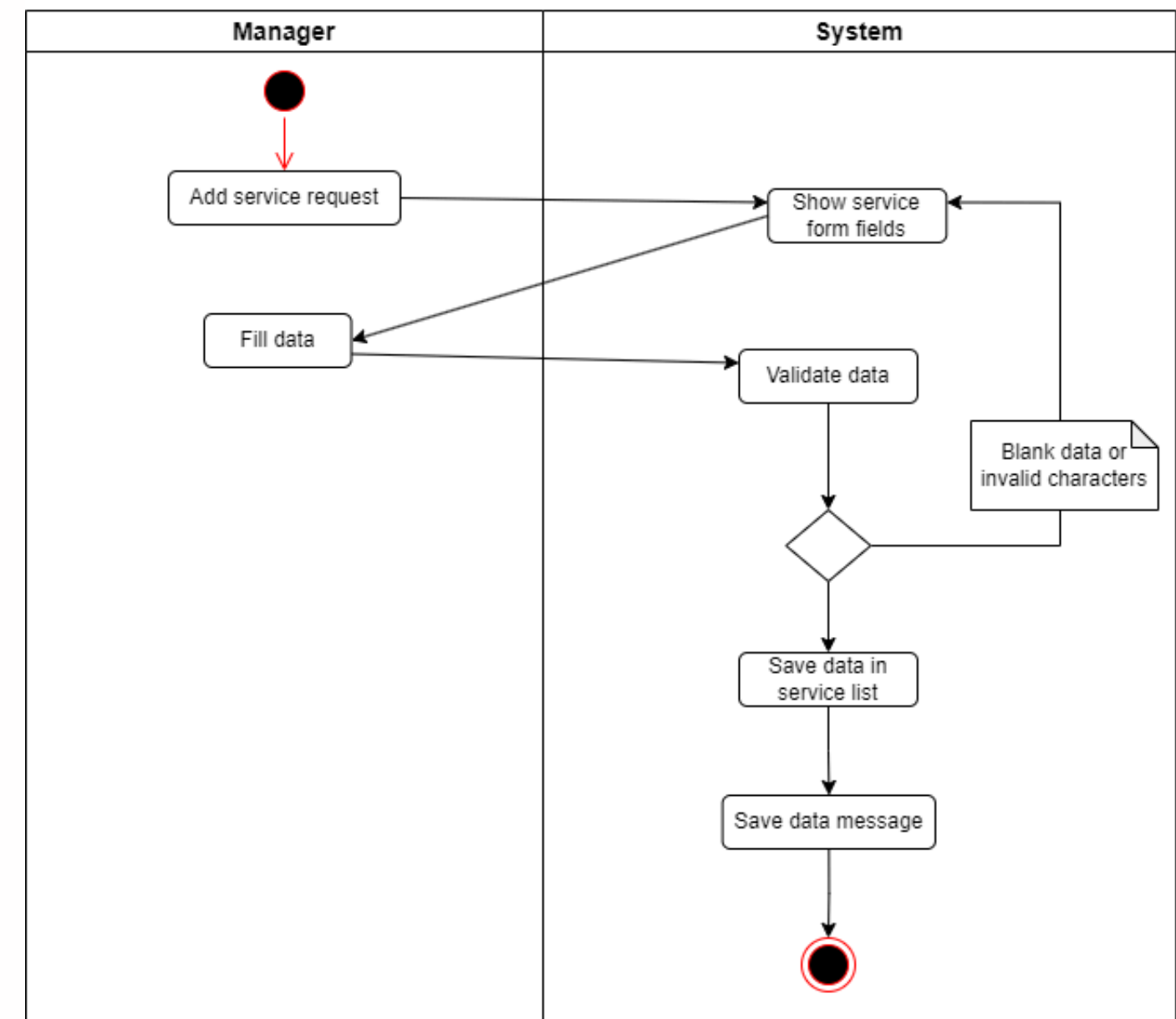
ACTIVITY DIAGRAMS
BUSINESS MANAGER

User history: Manager
(Show employee information)

Manager	System
Add new employee → Show data to be entered	
Enter data ←	Validate data provided
	Blank data or invalid characters
	Publish infotmation on the shop and shop services
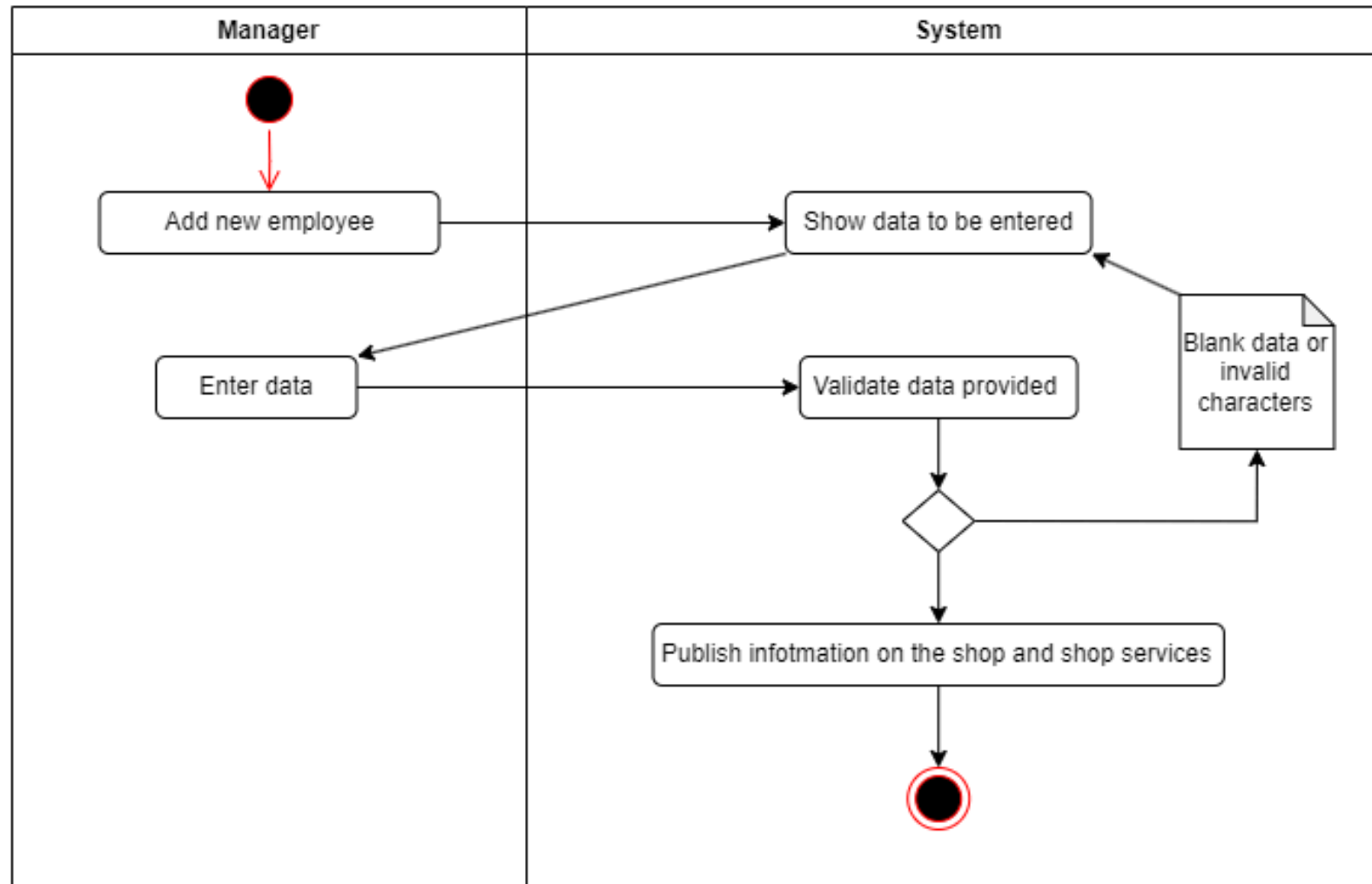
User history: Manager
(Advertise services)

Manager	System
Open service photos gallery	
Add service photo request — Edit service photo request	
Select photo to upload	Select photo to edit
Delete photo request	Upload new photo
NO / YES	Confirm message
Confirm — NO / YES	Delete selected photo
	Upload photo to service list
	Save photo message
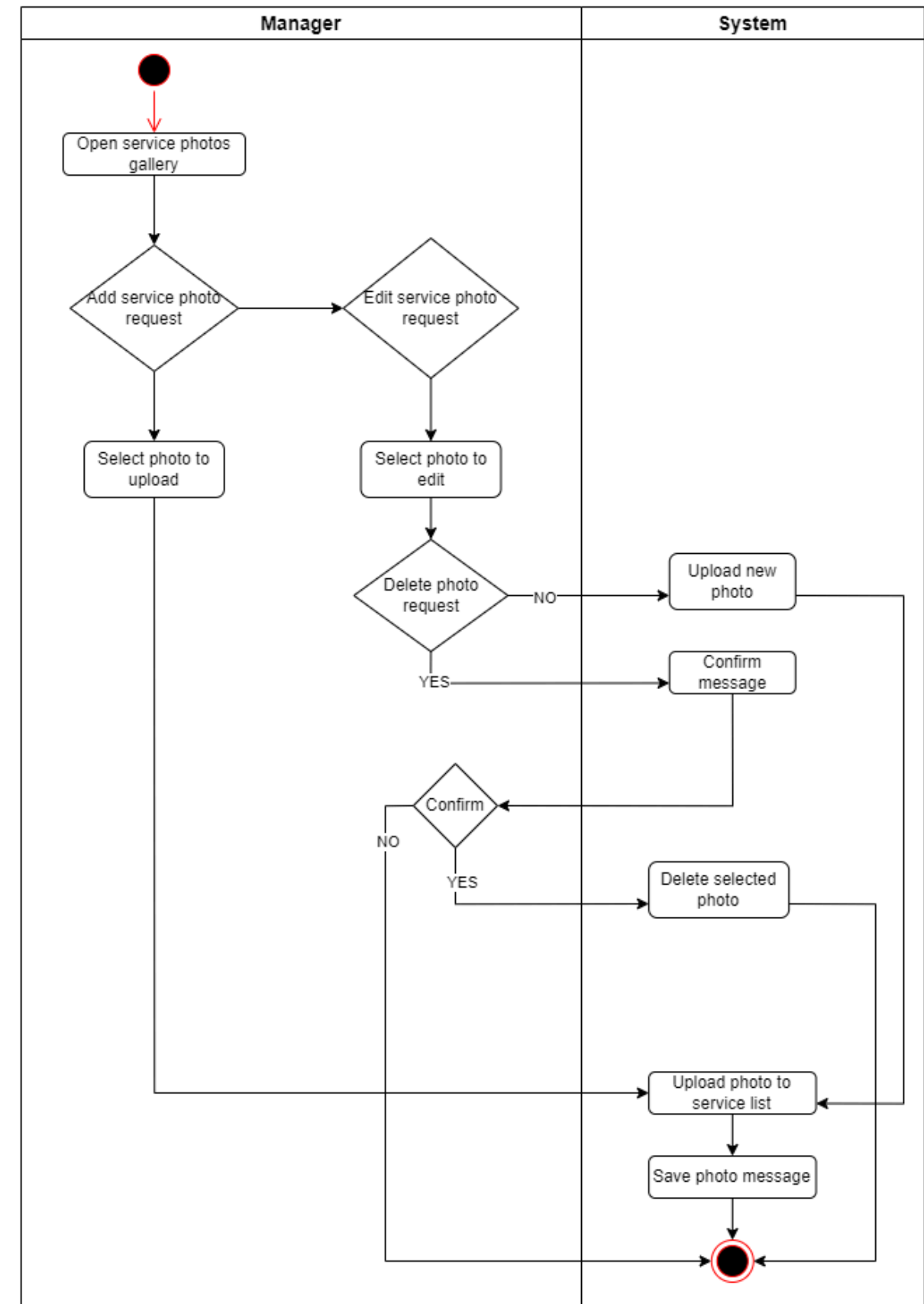
ACTIVITY DIAGRAMS

CUSTOMER

User history: Customer
(Find shops by name or code)

Customer	System
Look for a shop	Show search options
Select option	
Write the name or code	Validate the entered text — Shop not found
	Display information in order and summarize
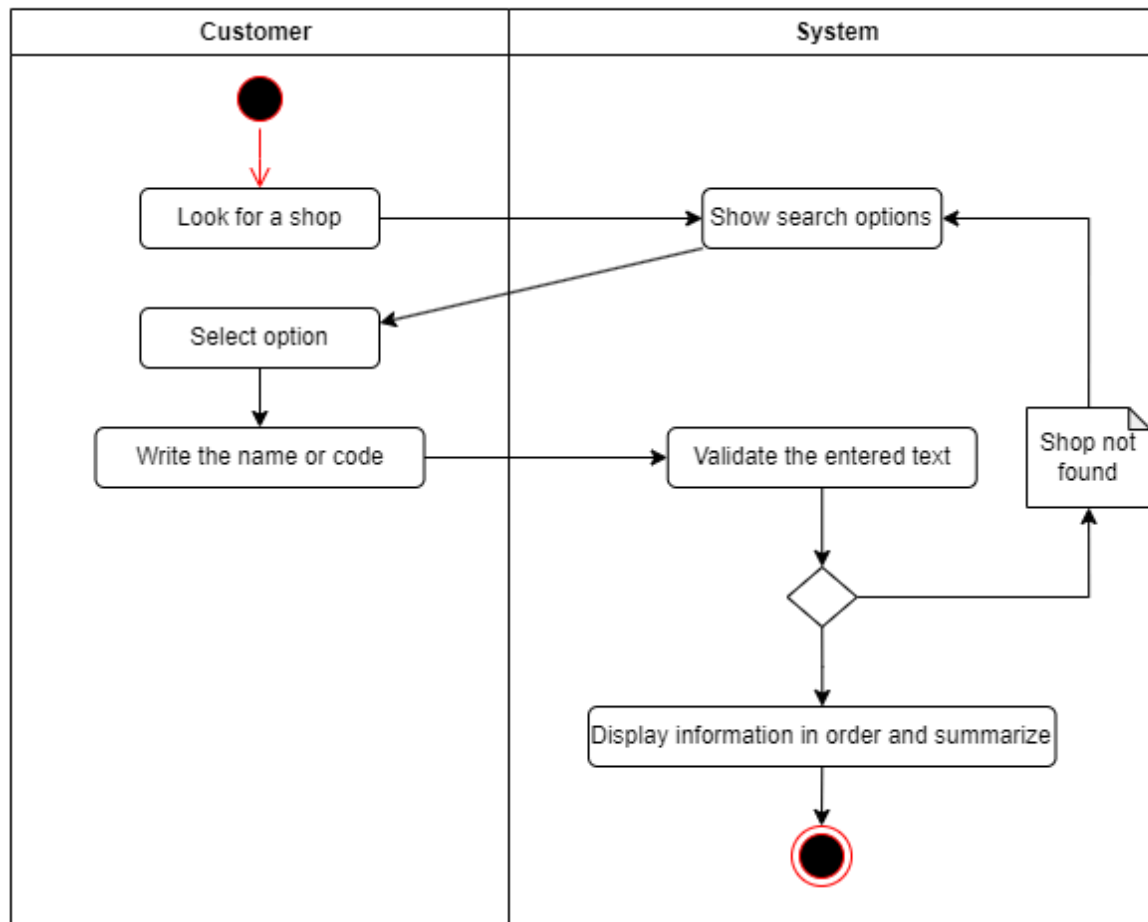
User history: Customer
(Payment)

Customer	System
Pay	Show payment options
Select option	Confirm payment method — Select other option
	Generate bill
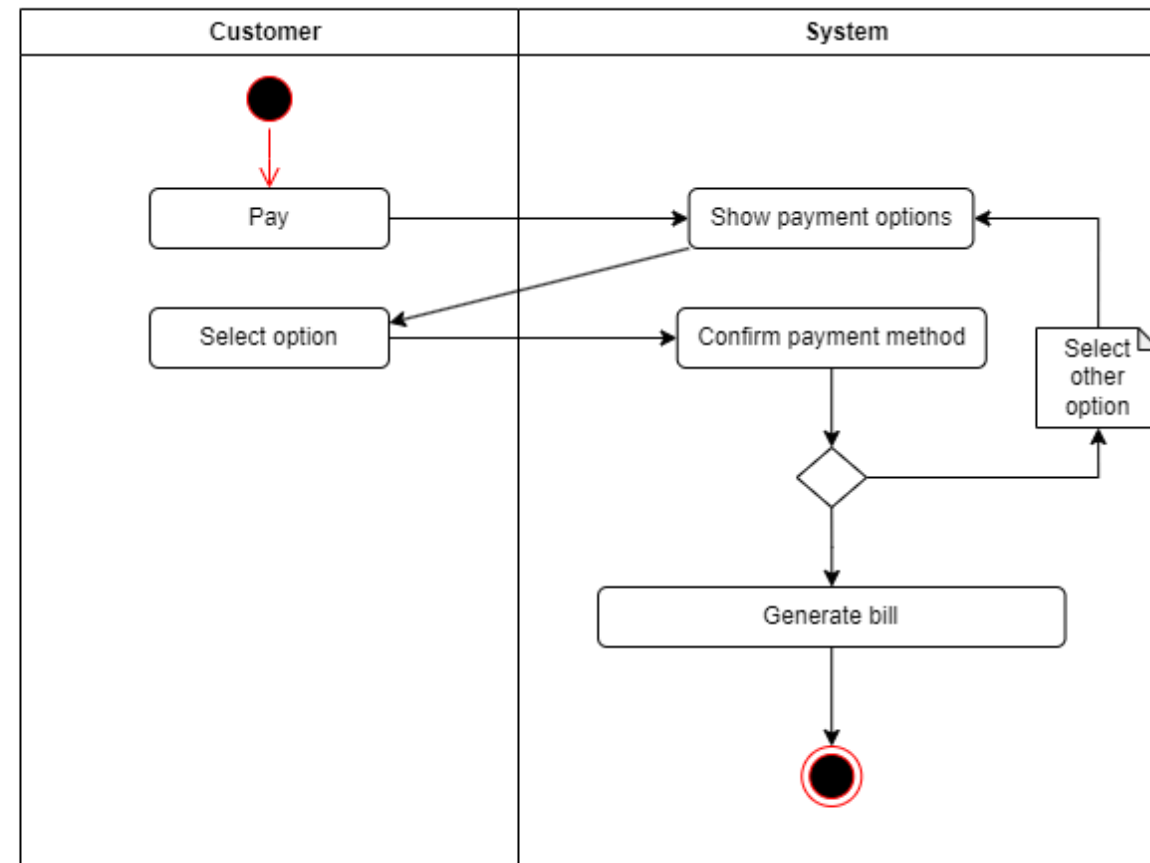
User history: Customer
(Qualify services)

Customer	System
Qualify employee	Show rating options
Select option	Publish rating in the shop
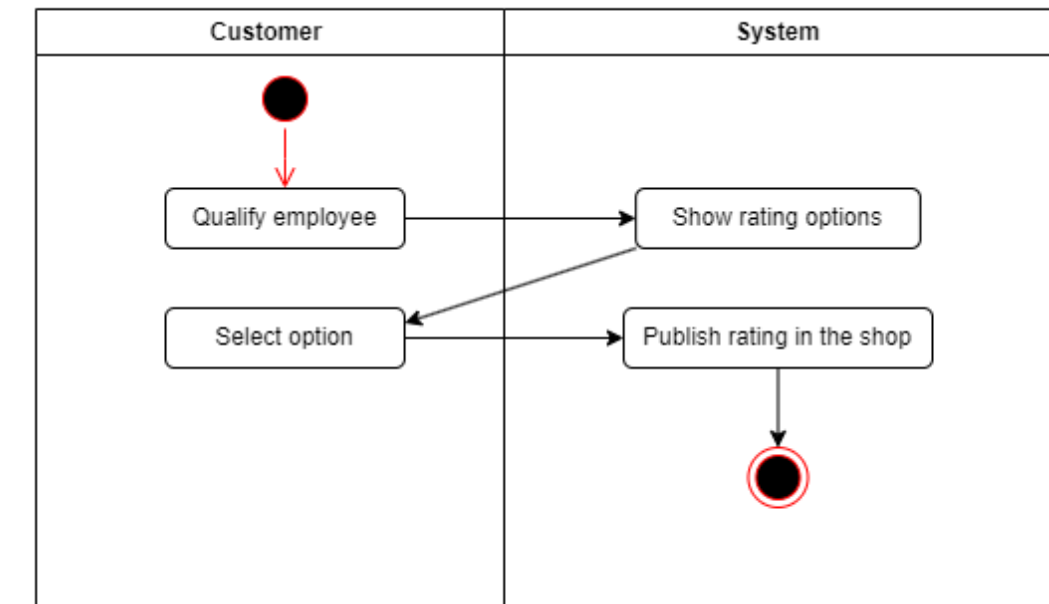
ACTIVITY DIAGRAMS
CUSTOMER

User history: Customer
(Schedule one or more services)

Customer	System
Schedule appointment	Show dates and times
Select a date and time	Validate the given date and time
	Date and time not available
	Schedule appoinment
	Appointment confirmation
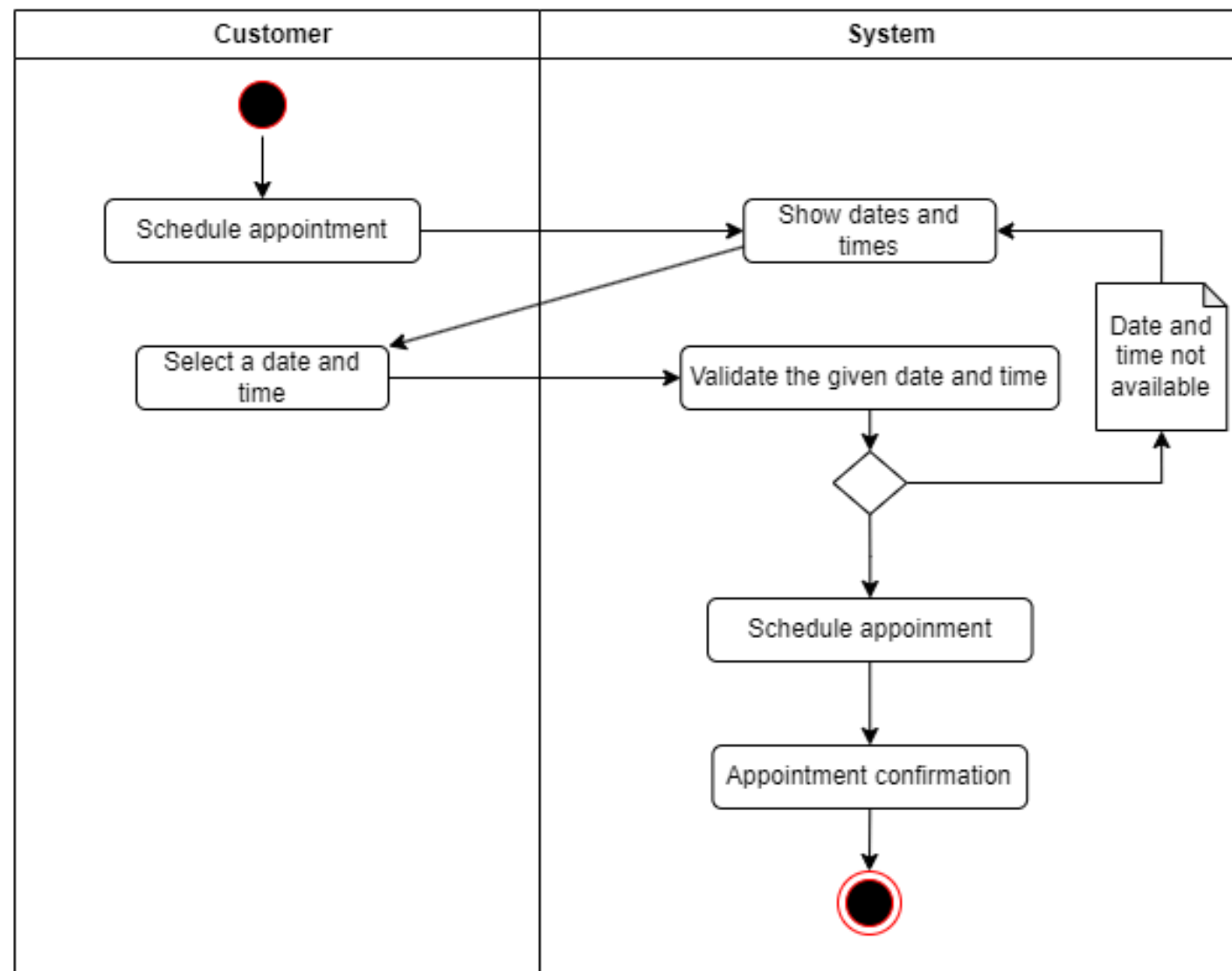
User history: Customer
(Appointment history)

Customer	System
See schedules	Show types of appointments
Select type	Show appointents information
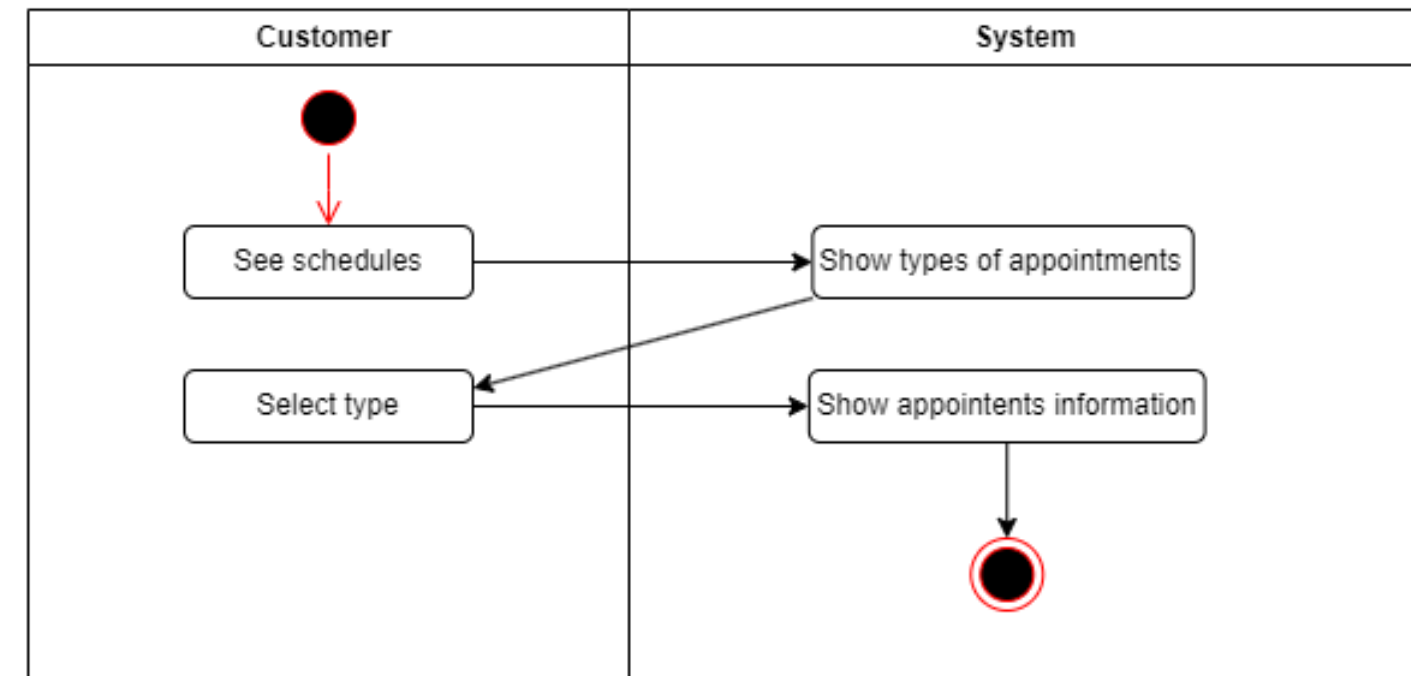
ACTIVITY DIAGRAMS

EMPLOYEE

User history: Employee
(Add Employee information and associate to service)

User history: Employe
(Show notifications when customers choose a service)
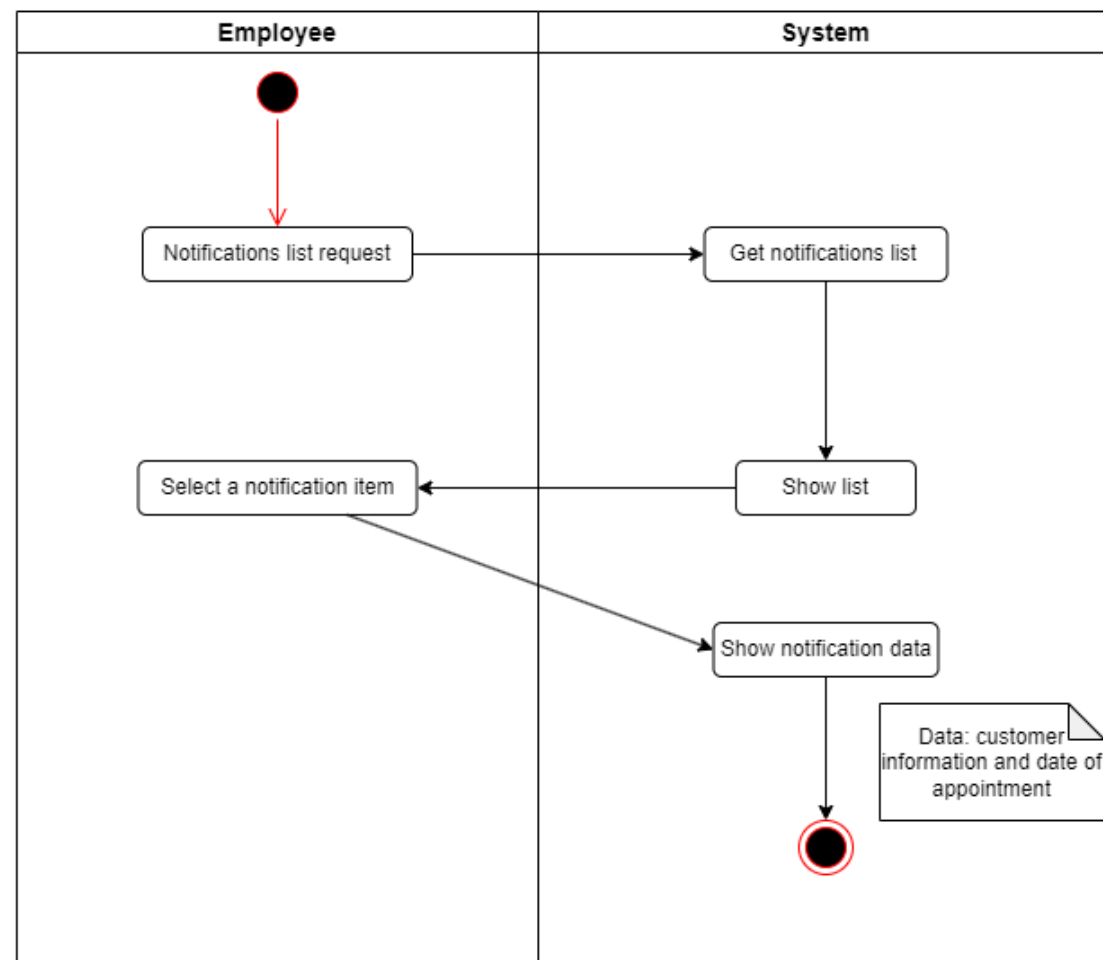
User history: Employee
(Rate the costumer after completing a service)

ACTIVITY DIAGRAMS

USER

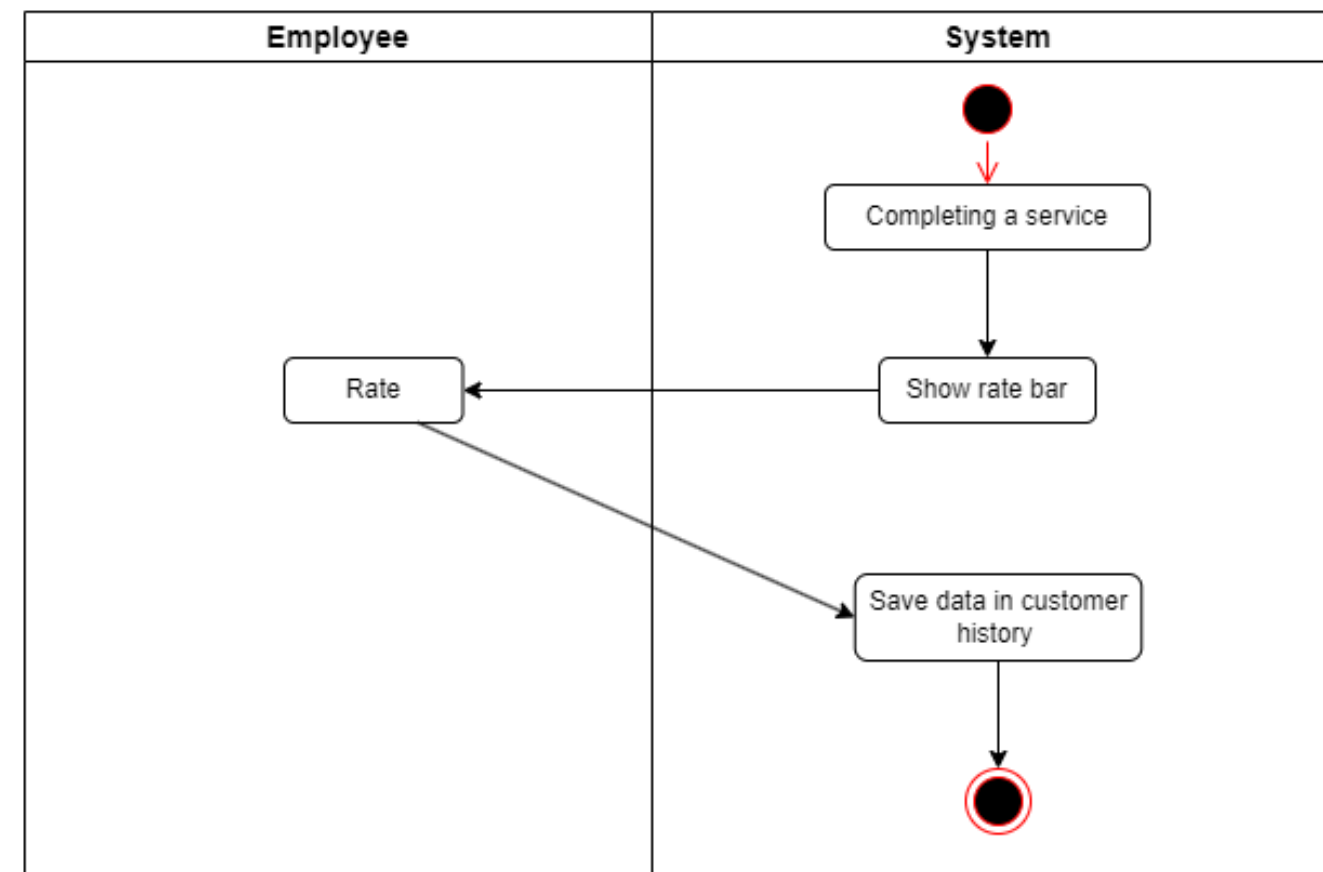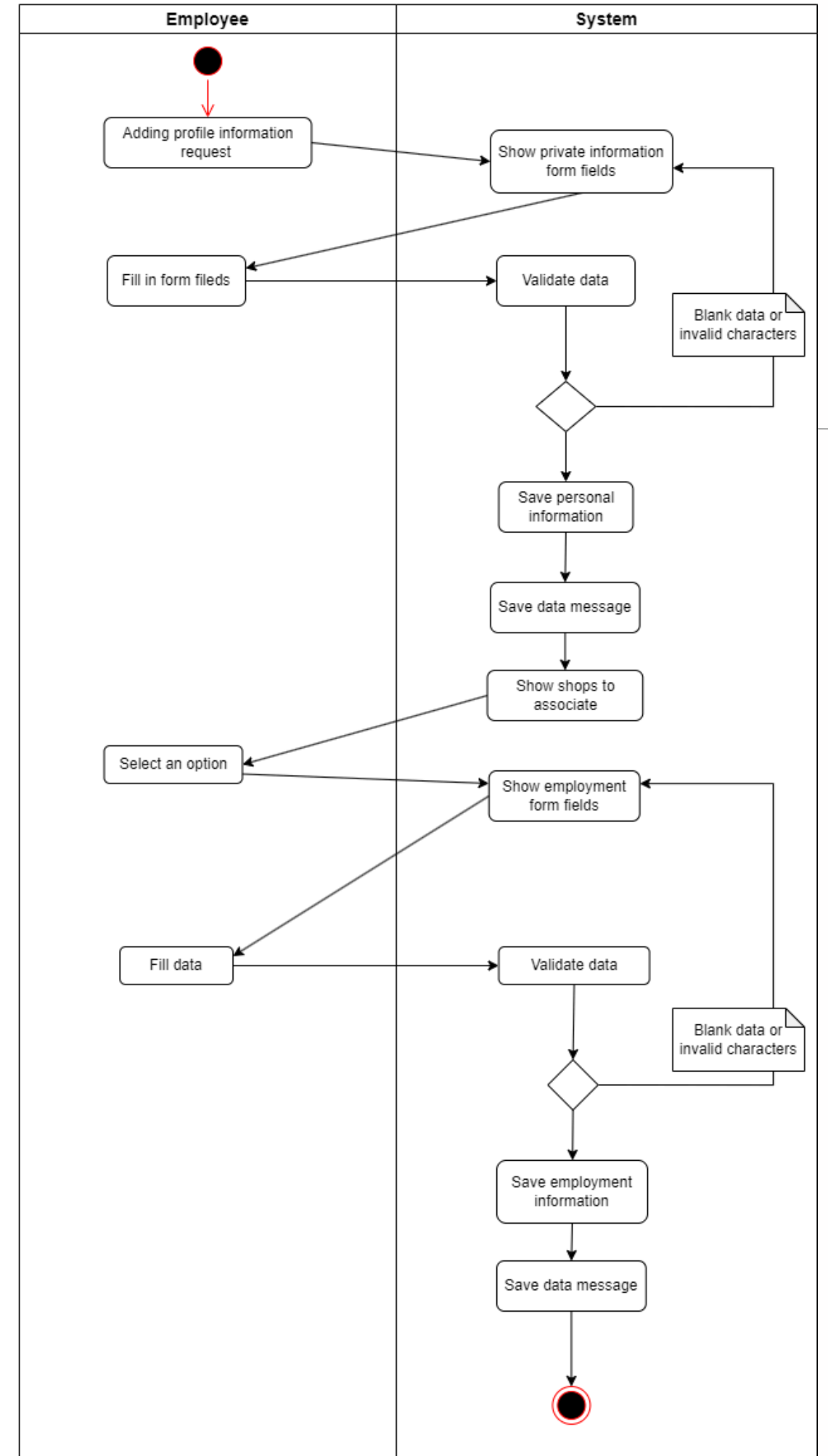**User history: User**
(Show employee information)
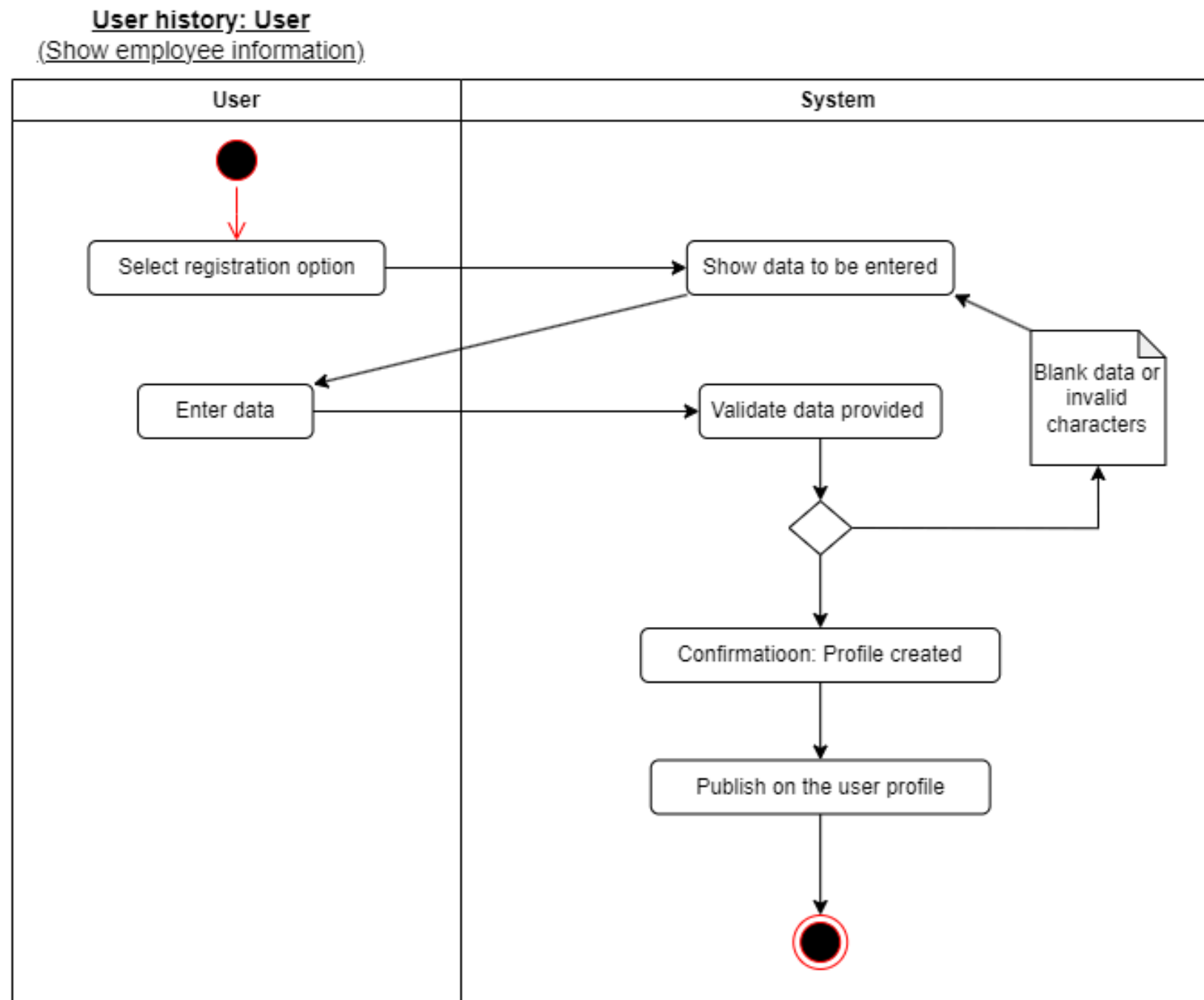
CRC CARDS

Employee

Responsability	Collaborator
• Add job information • View appointments with your clients • View customer information • Add work samples • View service history	• User • Service provided

Customer

Responsability	Collaborator
• Search business • Schedule service • View service history • Rate store	• User • Servicio provided

Manager

Responsability	Collaborator
• Add business information • Edit business information • Edit business services • Add or disaggregate professionals • See schedules appointments • Delete business	• User
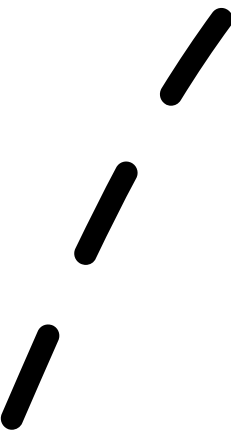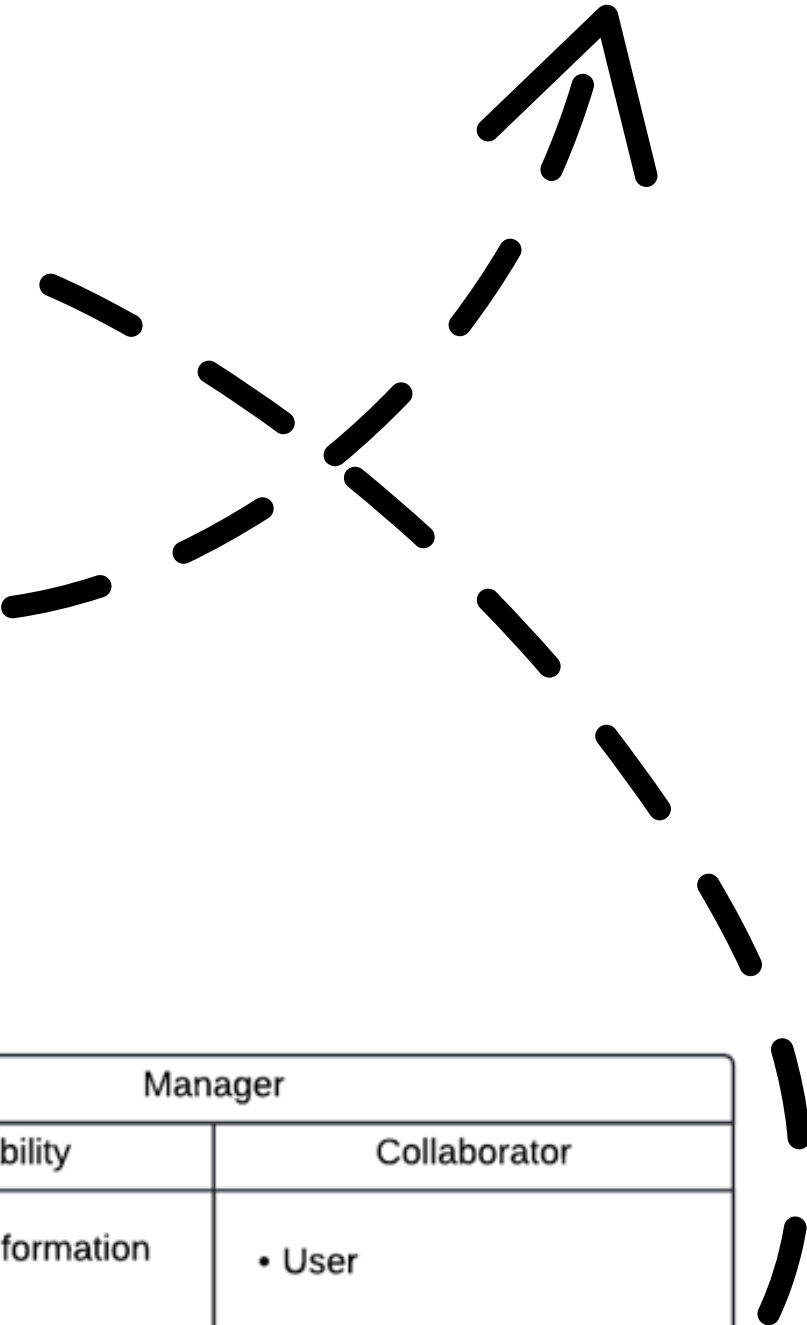
CRC CARDS

User	
Responsability	Collaborator
• Sign Up	• Employee
• Log in	• Customer
• Edit information	• Manager
• Ver calificaciones	• Shop
• Visualizar perfil	• Service
• Delete account	

Shop	
Responsability	Collaborator
• Show Store Information	• Service
• Show employees	
• Show services	
• Generate Accounting Balance	
• Services list	

Service	
Responsability	Collaborator
• Show service list	• Shop
• Choose date	
• Choose time	

CRC CARDS

Servicio prestado	
Responsability	Collaborator
• Save services provided • Service description	• Customer • Employee

AdminUser	
Responsability	Collaborator
• Create User	• User

CLASS DIAGRAM

User
«Interface»
- # idUser : String
- # nameUser : String
- # phoneNumber: String
- # sex: String
- # password: String
- # rol: String
- # email: String
- + signUp()
- + logIn()
- + editInformation()
- + seeRates()
- + viewProfile()
- + deleteAccount()
  «Getter»
  «Setter»

AdminUser
- + createUser()

Shop
- - nameShop: String
- - idShop: int
- - phoneNumber: String
- - location: String
- - rate: Float
- - openingTime: Date
- - closingTime: Date
- + showStoreInformation()
- + showEmployees()
- + showServices()
- + servicesList()
- + generateAccountingBalance()
  «Getter»
  «Setter»

Customer
- - listAppointment: String[]
- + searchBusiness()
- + scheduleService()
- + viewServiceHistory()
- + rateStore()
  «Getter»
  «Setter»

Employee
- - workDescription: String
- - idShop: Shop
- - tagEmployee: String
- + addJobInformation()
- + viewClientAppoinment()
- + viewCustomerInformation()
- + addWorkSamples()
- + viewServiceHistory()
  «Getter»
  «Setter»

Manager
- - shopId: int
- + addBusinessIInformation()
- + EditBusinessInformation()
- + EditBusinessServices()
- + EditProfessional()
- + SeeSchedulesAppoinments()
- + DeleteBusiness()
  «Setter»
  «Getter»

Service
- - nameService: String
- - priceService: Float
- - dateService: Date
- - nameProfesional: Employee
- - shopId: int
- + showServiceList()
- + chooseDate()
- + chooseTime()

Service provided
- - customerId: Customer
- - employeeId: Employee
- - service: Service
- - serviceDate
- - creationDate
- - variousServices
- - appoinmentDate
- + serviceDescription()

AdminUser

+ createUser()

User
<<Interface>>

\# idUser : String

\# nameUser : String

\# phoneNumber: String

\# sex: String

\# password: String

\# rol: String

\# email: String

+ signUp()

+ logIn()

+ editInformation()

+ seeRates()

+ viewProfile()

+ deleteAccount()

<<Getter>>

<<Setter>>

Shop

- nameShop: String

- idShop: int

- phoneNumber: String

- location: String

- rate: Float

- openingTime: Date

- closingTime: Date

+ showStoreInformation()

+ showEmployees()

+ showServices()

+ servicesList()

+ generateAccountingBalance()

<<Getter>>

<<Setter>>

1   1...n   1   1...n

1

-
- Thanks for your attention
-
-
-