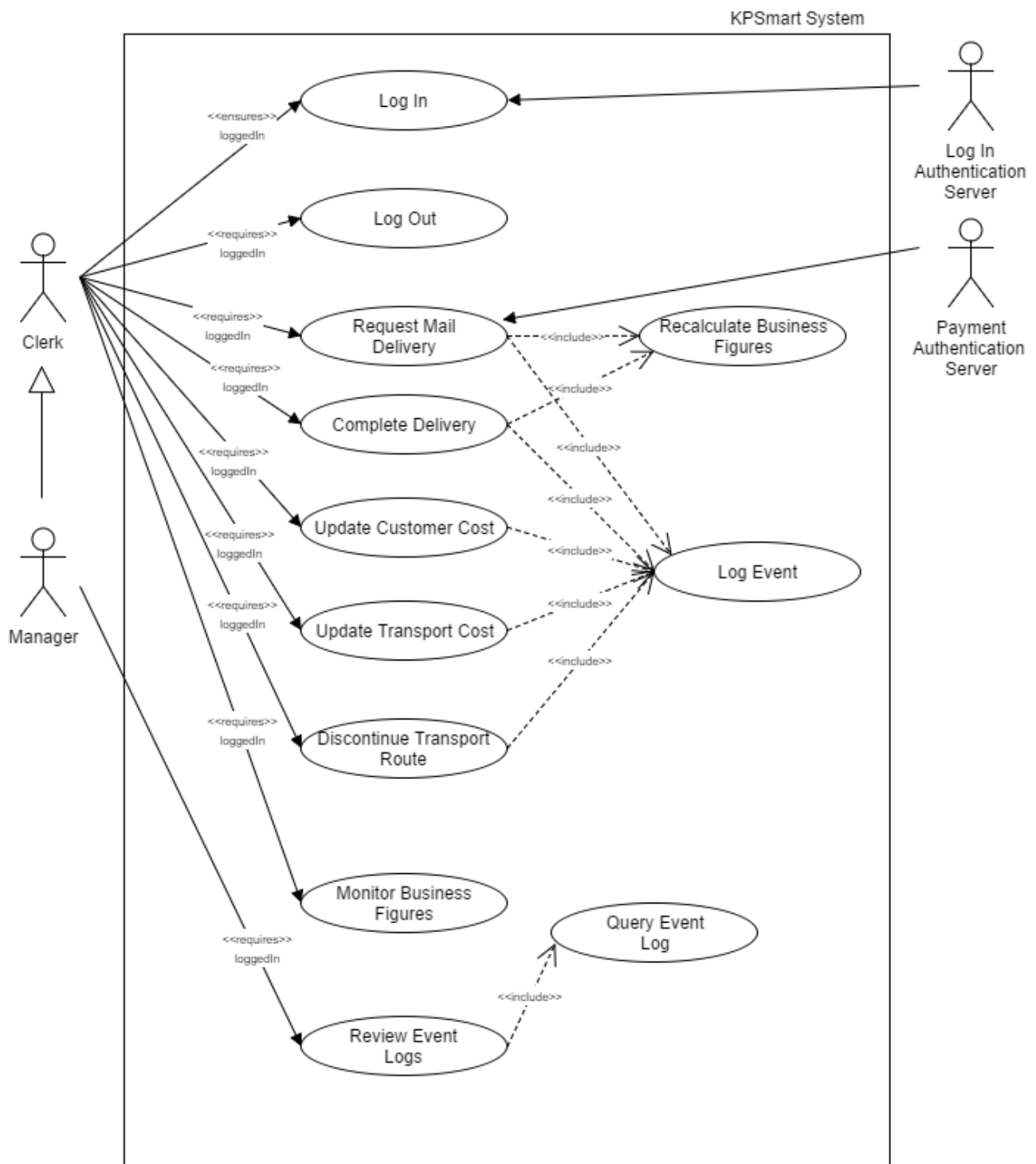


Use Case Diagram



USE CASE 1: Log In

Actors:

- Primary
 - Clerk/Manager
- Secondary
 - Login Authentication System

Preconditions

No preconditions

Postconditions

- The primary actor is now logged into the system

Main Success Scenario

1. Clerk/Manager enters login details and presses submit
2. System passes login details to login authentication actor
3. Login authentication approves correct login
4. System logs in for the user
5. System information to client
6. Client displays information

Exception Scenarios

Login Authentication fails (3a)

1. Login authentication denies login
2. System reboots login page
3. System login page for user to client
4. Client displays information

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

USE CASE 2: Log Out

Actors:

- Primary
 - Clerk/Manager

Preconditions

- User is already logged in

Postconditions

- The primary actor is now logged out of the system

Main Success Scenario

1. Clerk/Manager presses logout button
2. System logs the user out
3. System get login page
4. Client displays login page

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

Assumptions

- This assumes that the user is already logged into the system

USE CASE 3: Request Mail Delivery

Actors:

- Primary
 - Clerk/Manager
- Secondary
 - Payment Authentication System

Preconditions

- User is already logged into the system
- User has all required information from the customer about the mail delivery

Postconditions

- Information has entered the system
- The mail is now ready for shipment

Main Success Scenario

1. Actor adds all required information for a mail sale
2. System uses mail sale parameters to calculate cost
3. System passes back calculated cost
4. Actor uses cost to get customer to pay
5. Actor puts in payment information
6. System sends payment information to payment authentication
7. Payment authentication approves payment
8. System writes to log file
9. System recalculates business values
10. System sends approved message to client
11. Client displays approved message
12. Client goes back to homescreen

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

Payment Authentication Fails (7a)

1. Payment Authentication denies payment
2. System informs client of denied request
3. Client displays that the payment was denied
4. User re-enters payment details (Main Scenario 5)

Assumptions

- Assumes that the user is putting in the clients payment information
- Assumes that no other action is needed once approving the payment information

USE CASE 4: Complete Delivery

Actors:

- Primary
 - Clerk/Manager

Preconditions

- The delivery is complete and we are just letting the system know that it is complete

Postconditions

- Up to date business figures
- The event is logged within the log file

Main Success Scenario

1. User selects job that has been completed
2. System calculates cost of delivery
3. System updates business figures
4. System logs the event within log file
5. System sends approved message to client
6. Client displays approved message
7. Client goes back to homescreen

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

Assumptions

- Assuming the clerk can tell when the delivery is complete

USE CASE 5: Update Customer Cost

Actors:

- Primary
 - Clerk/Manager

Preconditions

- The primary actor must be logged into the system.

Postconditions

- Customer cost has been updated.

Main Success Scenario

1. Clerk/Manager enters new customer costs and submits.
2. System confirms
3. System logs event.
4. System sends information to client.
5. Client displays information.

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

Assumptions

- Assuming that the customer cost information is correct

USE CASE 6: Update Transport Cost

Actors:

- Primary
 - Clerk/Manager

Preconditions

- The primary actor must be logged into the system.
- Primary actor knows the details of new transport cost.

Postconditions

- Transport cost has been updated.

Main Success Scenario

1. Clerk/Manager enters new transport costs and submits.
2. System confirms
3. System logs event.
4. System sends information to client.
5. Client displays information.

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

Assumptions

- Assuming that the customer transport information is correct

USE CASE 7: Discontinue Transport Route

Actors:

- Primary
 - Clerk/Manager

Preconditions

- The primary actor must be logged into the system.
- Primary actor knows the details of discontinued route.

Postconditions

- Removed route is no longer available.

Main Success Scenario

1. Clerk/Manager enters information for discontinued route.
2. System Notifies Route has been found and asks for confirmation of removal of route.
3. Primary actor confirms removal or route.
4. System removes route from system.
5. Notify Primary Actor of change.
6. System Notifies Customers of change.

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

User denies confirmation (3a)

1. Primary actor denies change
2. System goes back to route removal GUI.

Assumptions

- Primary actors route details are valid

USE CASE 8: Discontinue Transport Route

Actors:

- Primary
 - Clerk/Manager

Preconditions

- The primary actor must be logged into the system.
- Primary actor knows the details of discontinued route.

Postconditions

- Removed route is no longer available.

Main Success Scenario

1. Clerk/Manager enters information for discontinued route.
2. System Notifies Route has been found and asks for confirmation of removal of route.
3. Primary actor confirms removal or route.
4. System removes route from system.
5. Notify Primary Actor of change.
6. System Notifies Customers of change.

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

User denies confirmation (3a)

1. Primary actor denies change
2. System goes back to route removal GUI.

Assumptions

- Primary actors route details are valid

USE CASE 9: Monitor Business Figures

Actors:

- Primary
 - Clerk/Manager

Preconditions

- The primary actor must be logged into the system.

Postconditions

Main Success Scenario

1. Clerk/Manager requests a specific business figure.
2. System updates GUI to display requested business figures.

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

Non Logged Business Figure (2b)

1. Clerk/Manager requests a specific business figure.
2. System alerts Clerk/Manager that requested business figures are invalid (e.g. requested business figure period is invalid).

Assumptions

USE CASE 10: Review Event Logs

Actors:

- Primary
 - Clerk/Manager

Preconditions

- The primary actor must be logged into the system.

Postconditions

- GUI displays event information

Main Success Scenario

1. Clerk/Manager requests a specific event via GUI
2. System retrieves the event from log file.
3. System displays event via GUI.

Exception Scenarios

System fails (2a)

1. System cannot be reached
2. Client displays message saying system is down

Non Logged Business Figure (2b)

1. Clerk/Manager requests a specific event via GUI
2. System event doesn't exist in log file.
3. System alerts Clerk/Manager that requested event is invalid.

Assumptions

