USE CASE: *Login*

Actors

1. Clerk/Manager
2. System AS

Preconditions

1. N/A

Postconditions

1. Clerk/Manager is logged into system

Main Success Scenario

1. Clerk/Manager enters username
2. Clerk/Manager enters password
3. Clerk/Manager clicks "Login"
4. KPS system checks with System AS that login details are correct
5. KPS system displays main screen of application

Exception Scenarios

4a. If username or password incorrect, display "Incorrect username or password", got to step 1.

USE CASE: *Customer Price Update*

Actors

1. Clerk/Manager

Preconditions

1. Clerk/Manager is logged in

Postconditions

1. Customer price update event added to log file
2. Business figures are updated

Main Success Scenario

1. Clerk/Manager clicks "Update Customer Price"
2. System displays required fields
3. Clerk/Manager enters origin location
4. Clerk/Manager enters destination location
5. Clerk/Manager enters mail priority
6. Clerk/Manager enters new price per gram
7. Clerk/Manager enters new price per cm^3
8. Clerk/Manager clicks "Update"
9. System verifies if the fields are correct
10. System adds customer price update event to log file
11. System updates business figures

Exception Scenarios

9a. Clerk / Manager enters invalid data in at least one of the fields, go to step 2

USE CASE: *Request Delivery*

Actors

1. Clerk/Manager

Preconditions

1. Clerk/Manager is logged in

Postconditions

1. Delivery event added to log file
2. Business figures are updated

Main Success Scenario

1. Clerk/Manager clicks "Request Delivery"
2. System displays required fields
3. Clerk/Manager enters origin location
4. Clerk/Manager enters destination location
5. Clerk/Manager enters mail priority
6. Clerk/Manager enters weight
7. Clerk/Manager enters volume
8. Clerk/Manager clicks "Update"
9. System verifies if fields are correct
10. System adds delivery event to log file
11. System updates business figures

Exception Scenarios

9a. Clerk / Manager enters invalid data in at least one of the fields, go to step 2

USE CASE: *Update Transport Costs*

Actors
1. Clerk/Manager

Preconditions
1. Clerk/Manager is logged in

Postconditions
1. Transport cost update event added to log file
2. Business figures are updated

Main Success Scenario
1. Clerk/Manager clicks "Update Transport Cost"
2. System displays required fields
3. Clerk/Manager enters origin location
4. Clerk/Manager enters destination location
5. Clerk/Manager enters transport firm name
6. Clerk/Manager enters type of transport
7. Clerk/Manager enters new price per gram
8. Clerk/Manager enters new price per cm^3
9. Clerk/Manager enters day of week transport departs
10. Clerk/Manager enters frequency of departure (hours between departures)
11. Clerk/Manager enters trip duration
12. Clerk/Manager clicks "Update"
13. System verifies if fields are correct
14. System adds transport price update event to log file
15. System updates business figures

Exception Scenarios
13a. Clerk / Manager enters invalid data in at least one of the fields, go to step 2

USE CASE: *Discontinue Routes*

Actors

1. Clerk/Manager

Preconditions

1. Clerk/Manager is logged in

Postconditions

1. Discontinue route event added to log file
2. Business figures are updated

Main Success Scenario

1. Clerk/Manager clicks "Update Customer Price"
2. System displays required fields
3. Clerk/Manager enters origin location
4. Clerk/Manager enters destination location
5. Clerk/Manager enters name of transport firm
6. Clerk/Manager enters type of transport
7. Clerk/Manager clicks "Update"
8. System verifies that fields are valid
9. System adds discontinue route event to log file
10. System updates business figures

Exception Scenarios

8a. Clerk / Manager enters invalid data in at least one of the fields, go to step 2

USE CASE: *View Events*

Actors

1. Manager

Preconditions

1. Manager is logged in

Postconditions

1. Events are displayed

Main Success Scenario

1. Manager clicks "View Events"
2. System displays event data stored in log file

Exception Scenarios

2a. If there are no events in log file, display "No events to display"

USE CASE: *View Business Figures*

Actors

1. Clerk/Manager
2. KPS Database

Preconditions

1. Clerk/Manager is logged in

Postconditions

1. Business figures are displayed

Main Success Scenario

1. Clerk/Manager clicks "Business Monitoring"
2. System displays key business figures (Total Revenue, Total Expenditure, Total Number of Events, Amount of Mail, Average Delivery Times, Critical Routes)

Exception Scenarios

2a. If key business figures are empty, display "No business figures to display, no events have been processed"

Assumptions and Notes

1. Up to date key business figures will be stored in the system, when the system is loaded, business figures are calculated off existing events in log file. When events are processed in the system, business figures are updated