# USE CASE: *Create new route*

## Actors

1. KPSmart Clerk, KPSmart Manager

## Preconditions

1. The user is logged in.

## Postconditions

1. The user is logged in.

## Main Success Scenario

|  |  |  |
| --- | --- | --- |
| Use Case: | Create New Route | |
| Actors: | KPSmart Clerk, KPSmart Manager | |
| Main Success Scenario: | **User** | **System** |
| 2. Clicks “Confirm”      6. Selects “Finish”. | 1. Prompts user asking if they wish to create a new route entry  3. Creates a new route entry in the database using the input values.  4. Writes the new event to the log file.  5. Displays a message to the user saying the route entry was successfully created.  7. Returns user to the main page. |

## 

## Exception Scenarios

## Assumptions and Notes

1. The route, origin, destination, transport firm name, transport type, new price per gram, new price per cubic centimetre, weekday of departure, departure frequency, and trip duration must be non-null values and in a valid format.
2. If the price of an existing route is being updated, the route, origin, destination, transport firm name, transport type, weekday of departure, departure frequency, and trip duration must match their stored database values.
3. Numbered values cannot be negative.
4. The trip duration and departure frequency values must be greater than zero.