UML 2.0 - Persistence Store Sequence Diagram

:MTS User

MTS User | MTS UI | SimDriver | TransitSystem | DAOManager | BusDAO | Connection | Statement | Route | RouteDefinition

quit

getBuses()

list of instances of Bus

store sequence

[Bus, BusRoute,
BusStop, RailCar,
RailRoute,
RailStation, Path]

Events:
[set_path_delay, clear_path_delay
set_speed_limit, clear_speed_limit
exchangePoint_out_of_service
exchangePoint_resumed_service
move_bus, move_train,
vehicle_out_of_service
vehicle_resumed_service, set_path_block]

loop

foreach bus
or object:

getDAO(Table.BUS)

BusDao

save(bus)

con.createStatement()

Statement stmt

stmt.execute()

stmt.close()

store sequence for routes

BusRoute/RailRoute

get_all_routes()

list of routes

loop

For each route

getStop(transistSystem, stopLocation)

Facility facility

new RouteDefinition

RouteDefinition rdef

Follow store sequence above

store sequence hazard/fuel consumption

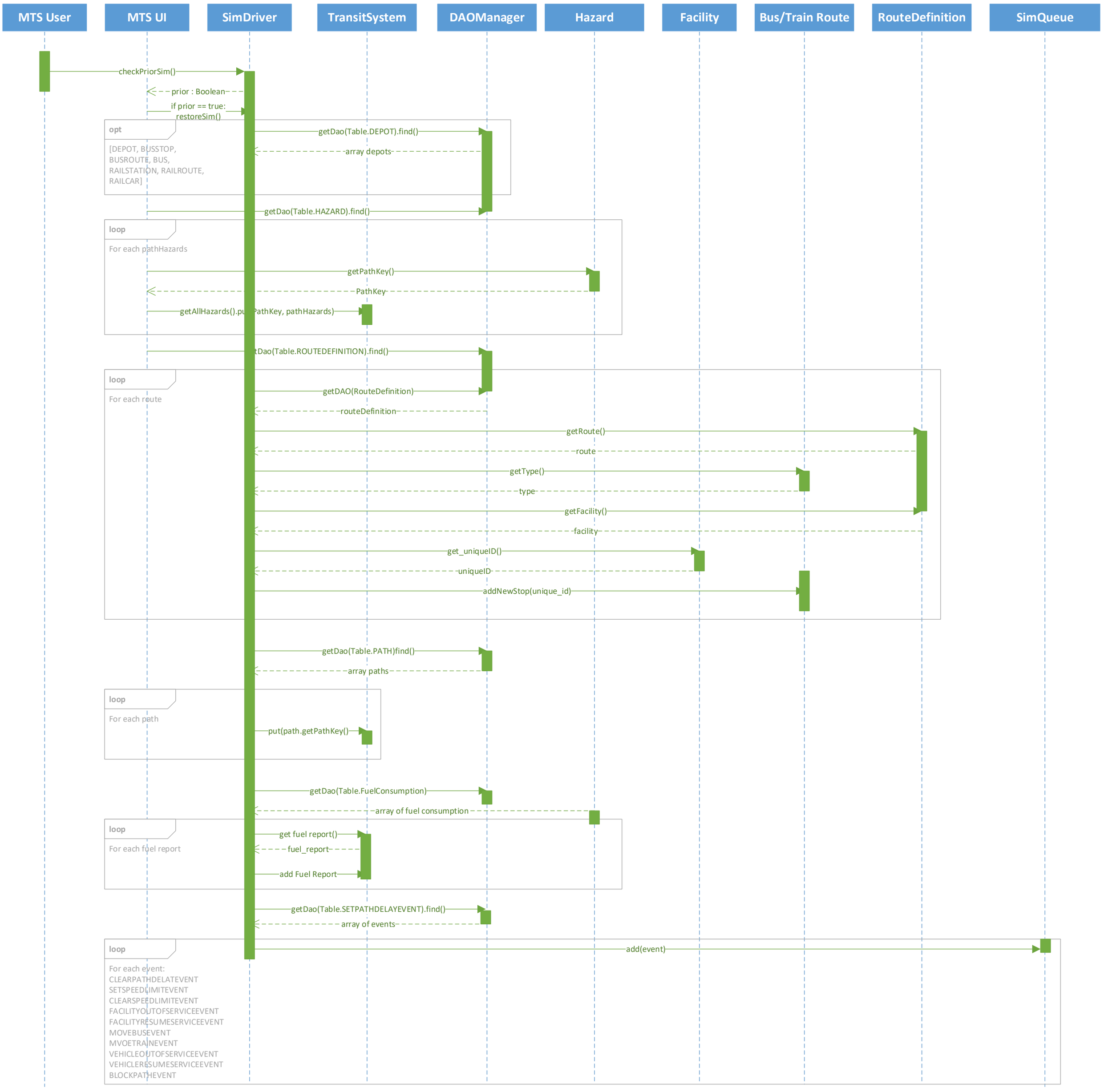
Hazard/FuelConsumption

getAllHazard
/getAllFuelConsumptions()

array hazard /
array fuel consumption

loop

For each
harzard
fuel consumption

Follow store sequence above

UML 2.0 - Persistence Restore Sequence Diagram