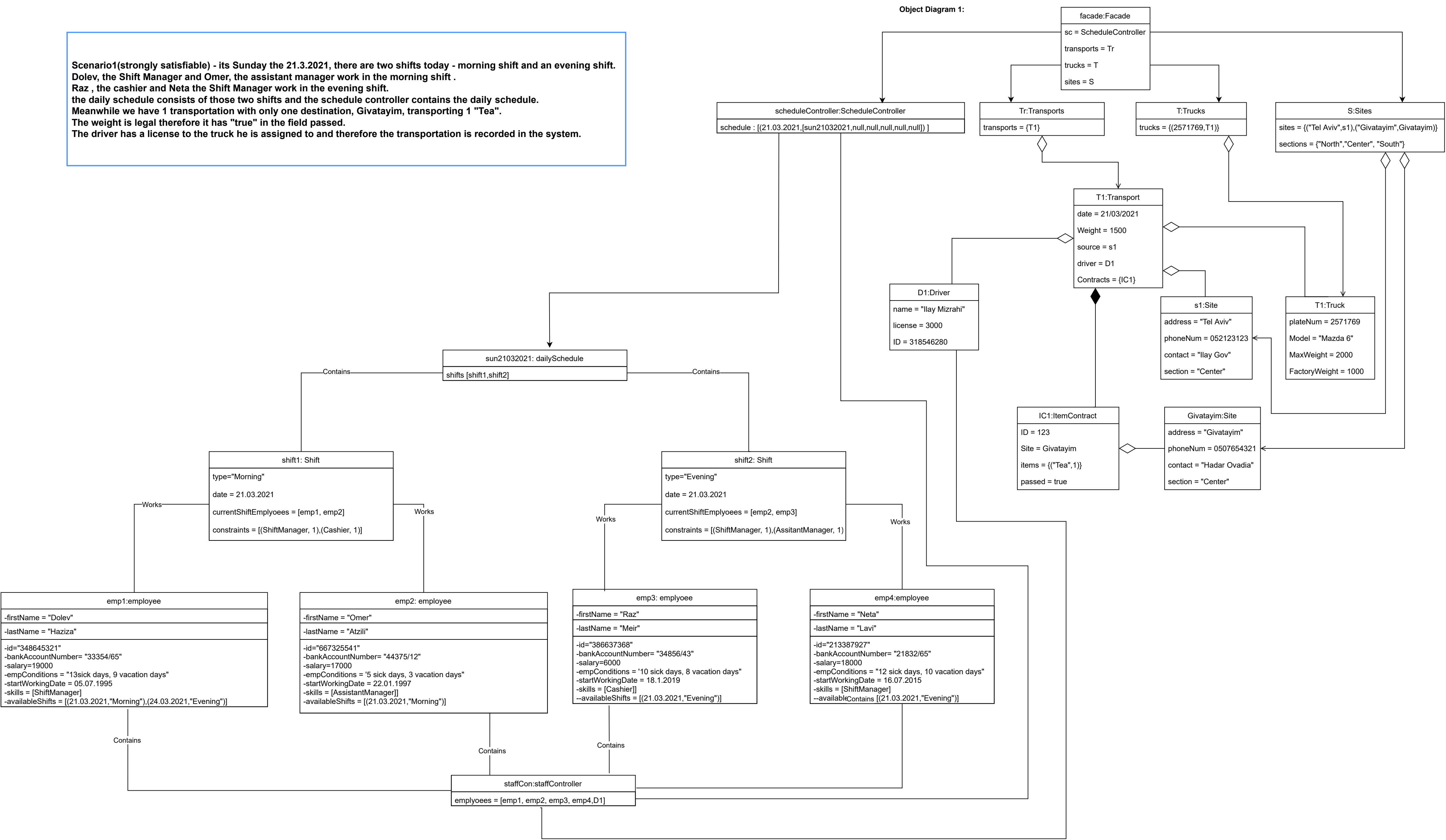
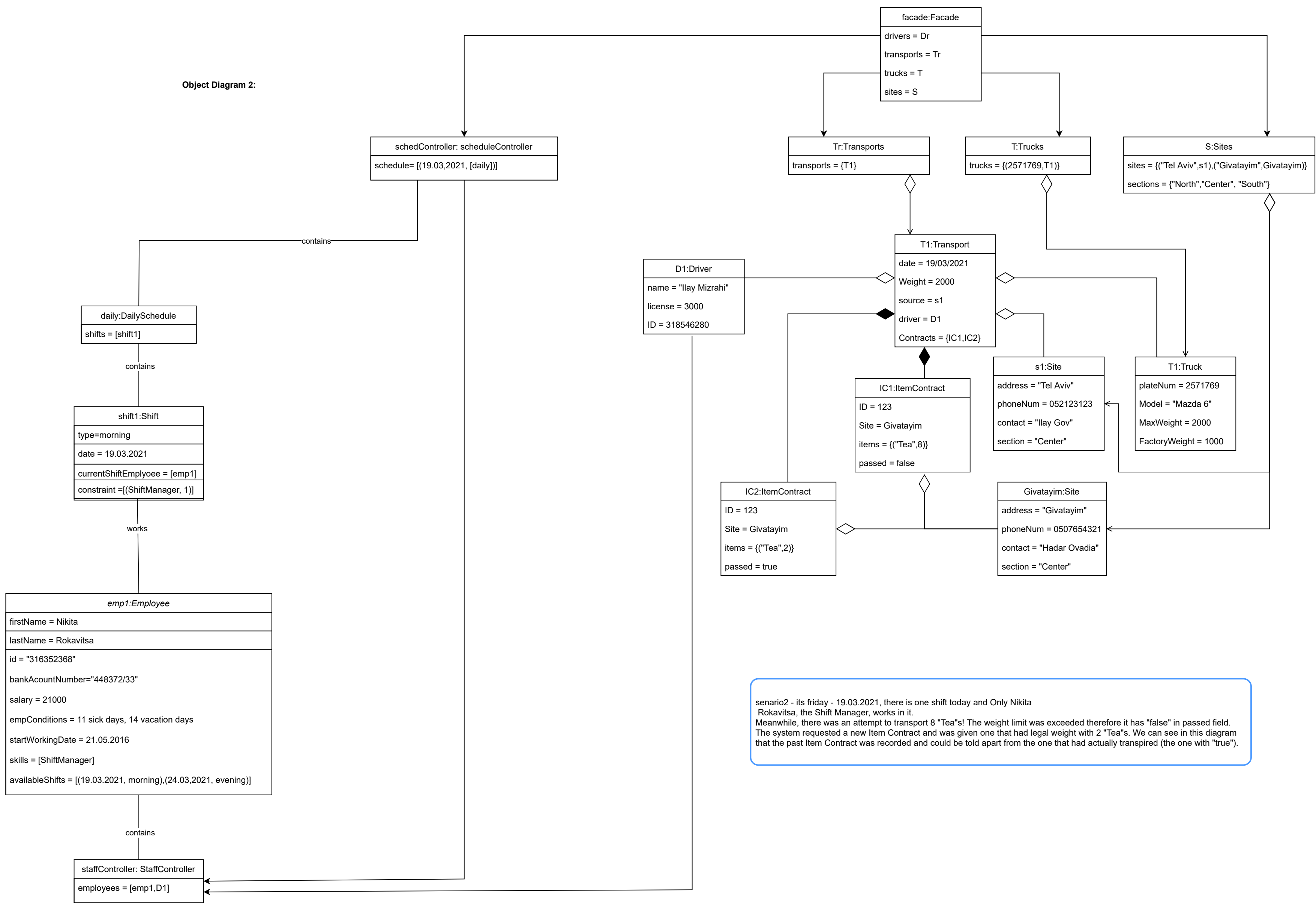


Scenario1(strongly satisfiable) - its Sunday the 21.3.2021, there are two shifts today - morning shift and an evening shift. Dolev, the Shift Manager and Omer, the assistant manager work in the morning shift . Raz , the cashier and Neta the Shift Manager work in the evening shift. the daily schedule consists of those two shifts and the schedule controller contains the daily schedule. Meanwhile we have 1 transportation with only one destination, Givatayim, transporting 1 "Tea". The weight is legal therefore it has "true" in the field passed. The driver has a license to the truck he is assigned to and therefore the transportation is recorded in the system.



Object Diagram 2:



scenario2 - its friday - 19.03.2021, there is one shift today and Only Nikita Rokavitsa, the Shift Manager, works in it.

Meanwhile, there was an attempt to transport 8 "Tea"s! The weight limit was exceeded therefore it has "false" in passed field. The system requested a new Item Contract and was given one that had legal weight with 2 "Tea"s. We can see in this diagram that the past Item Contract was recorded and could be told apart from the one that had actually transpired (the one with "true").