

Learning outcome 8: Practice Task

Design a terminal for transporting cars by train.

Two types of trains are available at any time:

- **small** - there is room for 8 small vehicles (cars pay HRK 7€, vans HRK 8€)
- **large** - there is room for 6 large vehicles (buses pay HRK 8€ and trucks 10€)

The application must show all revenue generated from tickets.

- The basic employee of the terminal is paid to park them on the train - their salary is 10% of each ticket.
- The application must show their income.
- The vehicle comes with a random amount of gas. If any vehicle has less than 10% gas left, a terminal employee must fill it up at a gas station.
- The application must display the amount of gas for the current vehicle.
- Add another terminal employee doing the same job. Their salary is 11% of each ticket.
- The application must show revenue per employee.
- If the battery is below 10%, then the terminal employee must charge it at the battery charging station.
- The application must display the battery charge for the current vehicle.