

Version: 1.0.0  
Release date: 25-10-2016

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PowerEnjoy

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# Introduction

## Description of the given problem

We will project the digital management system for PowerEnJoy™, which is a car-sharing service that exclusively employs electric cars.

The system, first, has to provide normally provided by car-sharing services such as the possibility for a new user to register and log in, to find locations of available nearby cars and to reserve them.

It has also to guarantee that a user who has used the service pays a fee that should be as fair as possible.

In order to strengthen the ecological mission of PowerEnJoy™, the system aims to incentivize virtuous behaviours of the users by adapting the fee.

For example, if there are at least three people on the car, or if the car is left charging at special parking areas, the system has to apply a discount. Instead, if the car is left far from a charging station with a low battery level, it has to apply a charge on the fee.

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