



Introduction

At 6Gorilla's we work on a challenging applications. Mostly greenfield, but sometimes we come across some legacy applications at our customers which have a lifespan over 25 years.

Developers working at 6Gorilla's are skilled professionals. The applications of 6Gorillas are made in a broad variety of programming languages ranging from more traditional languages like Java (and Scala) to Python or R.

To assess the required skills and knowledge of developers we would like to ask you to build a small sample application. This doesn't have to be a rock-solid, highly scalable super fancy production-ready application, but just something that allows us to get an idea of your coding skills.

There are no limits as to the amount of time you spend on this nor the amount of code you write, even the decision which programming language to use is up to you.

Try to keep things simple. Of course, it can't be too simple, this is meant as a showcase/reference point of what you are capable of.

You are free to use frameworks, libraries or databases, however, please mention them in your documentation for your application.

If you are going to make functional or architectural choices it would help to mention these also!

Requirements

At 6Gorilla's we promote a healthy lifestyle, therefore we encourage our employees to come to work by bike. If you would commute by bike you will get a compensation of € 0,50 per km per day. For distances between 5 to 10 km the compensation will even double! However, for distances over 10 km employees often prefer a different way of commuting.

Some employees commute by bus or train, for which the compensation is € 0,25 per km per day. If you would commute by car the compensation would be € 0,10 per km per day.

Most employees work 5 days a week, however some less. Since 6Gorilla's is an amazing place to work, the most of them can be found at the office multiple times a week.

Compensation is paid on a monthly basis on each first Monday of the next month.

Employee	Transport	Distance (km/one way)	Office days (per week)
Paul	Car	60	4
Martin	Bus	8	2
Jeroen	Bike	9	5
Tineke	Bike	4	3
Arnout	Train	23	2
Iris	Bike	11	4
Dymphie	Car	12	3

Assessment

Create a small application which provides our HR department with a monthly overview of the compensation per employee for the current year.

The output of the application should be a CSV file which should contain the following columns: employee, transport, traveled distance, compensation for the entire month and the payment date.