

Medicore Assessment Application

Introduction

At Medicore we work on a challenging application with a history of almost 15 years. Developers working at Medicore are skilled professionals. Our application is divided in a front- and a back-end application. The back-end application is written in PHP, the front-end application is written in HTML, CSS, and javascript.

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 or the amount of code you write, even the decision which programming language to use is up to you. (However, we would prefer either javascript or PHP!) 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.

Requirements

At Medicore we encourage 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 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.

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

Employee	Transport	Distance (km/one way)	Workdays per week
Paul	Car	60	5
Martin	Bus	8	4
Jeroen	Bike	9	5
Tineke	Bike	4	3
Arnout	Train	23	5
Matthijs	Bike	11	4,5
Rens	Car	12	5

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.