

## Backend Coding Challenge

Our financial department is currently overloaded, they have lots of monthly expense reports waiting to be paid.

This reports consists of three different kind of expenses.

▶ **TRANSPORTATION** (km):

- ▶ Every kilometer is paid at 0.12 \$/km
- ▶ When an employee exceeds 100km per month, the next kms are paid at 0.08 \$/km

▶ **MEAL** (units):

- ▶ We like our employees to enjoy their lunch time, so we decided to give refunds of \$10 for the first 3 meals and a \$6 refund for the remaining meals of the month.

▶ **PARKING** (\$):

- ▶ Parking expenses are reported in \$ and are paid totally until \$20 each month. If a report exceeds \$20 of parking tickets, the financial department refunds 50% of the exceeding amount.

Examples:

1	Concept	Units
2	-----	
3	TRANSPORTATION	75
4	MEAL	1
5	TRANSPORTATION	15
6	MEAL	1
7	MEAL	1
8	PARKING	15
9	TRANSPORTATION	20
10	MEAL	1
11	PARKING	20
12	-----	
13	Total	\$76,30
14		
15		
16		
17	Concept	Units
18	-----	
19	TRANSPORTATION	75
20	MEAL	1
21	TRANSPORTATION	45
22	MEAL	1
23	TRANSPORTATION	35
24	MEAL	1
25		

26	MEAL	1
27	PARKING	35
28	TRANSPORTATION	20
29	MEAL	1
30	PARKING	10
31	-----	
	Total	\$92, 50

## To Do

- ▶ Create a piece of software, using the technology you rather, capable of resolving the amount to be refunded for each expense report.
- ▶ Be written as production-ready code. We expect your code to be covered by some tests.
- ▶ Make it work, keep it simple.

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