

SALESFORCE ASSIGNMENT

Overview

This assignment is for potential Salesforce Developer candidates for Spotzer Media Group. The purpose of this assignment is to assess your development and coding skills on the Force.com platform.

This assignment should take about 2-3 hours to complete. Please complete this assignment to the best of your ability. It is your chance to show us your awesome skills so show us your coding style!

Your assignment should be completed on a newly created Salesforce developer org specific to this Assignment. These are the 3 requirements to the assignment. Please complete all of them on the developer org you have created. We also expect unit tests for the code you write.

Please note you will need to white list our IP address (Setup > Administration Setup > Security Controls > Network Access) and send us credentials to the org.

Our IP address is: 77.242.120.210

The Assignment

Company X would like to start using Salesforce and they require a few changes to the system. The following tasks will detail out their requirements.

Please complete these as if you would for a customer.

Task 1

We would like to build a convertor tool from Bitcoin to USD.

In order to get the most recent Bitcoin to USD value we're going to use an API.

A GET call can be made to <https://bitpay.com/api/rates/> which returns an array of currency conversions: E.g.

```
[
  {
    "code": "BTC",
    "name": "Bitcoin",
    "rate": 1
  },
  {
    "code": "USD",
    "name": "US Dollar",
    "rate": 11.31
  },
  {
    "code": "EUR",
```

```
"name": "Eurozone Euro",
"rate": 22.042443
},
{
"code": "GBP",
"name": "Pound Sterling",
"rate": 23.855072
},
{
"code": "JPY",
"name": "Japanese Yen",
"rate": 12.435911
}, .....
]
```

You will need to:

Create a service class that will retrieve the value of Bitcoin vs A Currency and vice versa. Provide unit tests

Task 2

Users at Company X need to compare currency values with Bitcoin. Build a page where a user can use our Bitcoin convertor class to compare an amount in Bitcoin to different currencies.

The page would have the following requirements:

The user can enter a Bitcoin value or another currency

When a user changes the Bitcoin value, the other currency value would change automatically.

When the user would change the comparison currency value, the Bitcoin value would change automatically.

Make sure your code is covered by unit tests.

Task 3

A manager wants to view a report on the most frequency requested comparisons. Build a report to show the comparisons made, by user, and the most frequency currency requests that user has made.

Good luck!