Exercise on Control Flow

Here is an exercise you can solve to test your understanding!

Question

You have 50 bitcoins to distribute to 10 users: Matthew, Sarah, Augustus, Heidi, Emilie, Peter, Giana, Adriano, Aaron, Elizabeth The coins will be distributed based on the vowels contained in each name where:

a: 1 coin e: 1 coin i: 2 coins o: 3 coins u: 4 coins

and a user can't get more than 10 coins. Print a map with each user's name and the amount of coins distributed. After distributing all the coins, you should have 2 coins left.

The output should look something like that:

```
map[Matthew:2 Peter:2 Giana:4 Adriano:7 Elizabeth:5 Sarah:2 Augustus:10 Heidi:5 Emilie:6 Aar
Coins left: 2
```

Note that Go doesn't keep the order of the keys in a map, so your results might not look exactly the same but the key/value mapping should be the same.

Here is some starting code:

Environment Variables	^
Key:	**Value:**
GOPATH	/go

```
package main
```

```go
import "fmt"
import "strconv"
import "encoding/json"

var (
        coins = 50
        users = []string{
                "Matthew", "Sarah", "Augustus", "Heidi", "Emilie",
                "Peter", "Giana", "Adriano", "Aaron", "Elizabeth",
        }
        distribution = make(map[string]int, len(users))
)

func GetResult([] string) string {
 //insert code here

  fmt.Println(distribution)
        fmt.Println("Coins left:", coins)
  return strconv.Itoa(distribution["Matthew"])+" "+strconv.Itoa(distribution["Sarah"])+" "+st
}
```