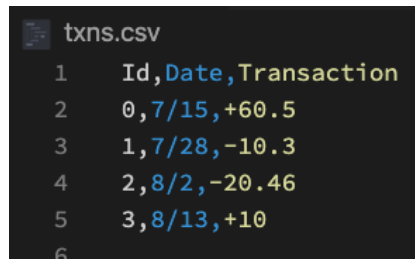


Thanks for your interest in joining Stori. At this stage, we ask you to solve the following challenge. Best of luck!

For this challenge, you must create an idempotent serverless function, e.g. AWS Lambda, that processes a file. The function should be triggered when a file is placed in an object storage location, e.g. AWS S3, bucket). The file will contain a list of debit and credit transactions on an account. Your function should process the file and send summary information to a user in the form of an email.

An example file is shown below. Credit transactions are indicated with a plus sign like +60.5. Debit transactions are indicated by a minus sign like -20.46



```
txns.csv
1  Id,Date,Transaction
2  0,7/15,+60.5
3  1,7/28,-10.3
4  2,8/2,-20.46
5  3,8/13,+10
6
```

You may use any cloud provider for this challenge. We prefer that you code in Python or Golang; but other languages are ok too.

Bonus points

1. Save transaction and account info to a database
2. Style the email and include Stori's logo
3. Use infrastructure as code, e.g. AWS Cloudformation.

Delivery and code requirements

Your project must meet these requirements:

1. The summary Email contains information on the total balance in the account, the number of transactions grouped by month, and the average credit and average debit amounts grouped by month. Using the transactions in the image above as an example, the summary info would be

Total balance is 39.74	Average debit amount: -15.38
Number of transactions in July: 2	Average credit amount: 35.25
Number of transactions in August: 2	
2. Include the file you create in CSV format.
3. Code is versioned in a git repository. The README.md file should describe the code interface and instructions on how to execute the code.