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 a system that processes a file from a mounted directory. 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; but create your own file for the challenge. 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
```

We prefer that you code in Python or Golang; but other languages are ok too. Package your code in one or more Docker images. Include any build or run scripts, Dockerfiles or docker-compose files needed to build and execute your code.

Bonus points

- 1. Save transaction and account info to a database
- 2. Style the email and include Stori's logo
- 3. Package and run code on a cloud platform like AWS. Use AWS Lambda and S3 in lieu of Docker.

Delivery and code requirements

Your project must meet these requirements:

 The <u>summary email contains information on the total balance in the account</u>, the number of transactions grouped by month, and the average credit and average debit amounts grouped by <u>month</u>. 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.