

Blockrize Engineering Challenge

In this challenge you will be building a simplified version of a bank's API. You may complete this challenge in any backend language framework of your choosing. You will have a week to complete it and you should not spend more than 4 hours total on this challenge.

The challenge itself is very open ended with a few requirements. You will be tested not only on quality of your code, but your ability to take an open ended project and convert that into something usable.

Requirements:

1. I can make a POST request to open an account
2. I can GET information about a certain account
3. I can deposit money (just a fake integer)
4. I can withdraw money

The system should be able to handle any invalid requests. The following are bonus sections. This is completely optional but if you choose to do so, only pick one.

Bonus:

1. Add account security (providing passwords on account creation and are needed for any GET requests)
2. The ability to transfer money between two accounts, where the transaction is pending until another authorization request is made
3. Set account limits (i.e. $\$100 < \text{account value} < \10m). Also set similar limits on transactions such as depositing and withdrawing
4. Write an skeleton of a job that runs everyday to calculate and automatically add interest to all account holders.

Submission

Please send a link to your Github repo for code review.

This is intended to be open ended and may require additional clarifying questions. Please direct all questions to either Thomas (thomas@blockrize.com) or Zak (zak.allen1009@gmail.com).