

# Brand New Day Coding Challenge

Hi,

We are excited to have you participating in the Brand New Day Code Challenge!

The purpose is to let you show the best of your abilities by creating a software solution for the use cases described above. All requirements described in this document are mandatory. If you feel anything is not described, feel free to choose a solution that you think fits the best for the problem being solved. Generally, you have a lot of freedom in how you implement your solution, the only guiding principle should be that we will consider your committed solution as the showcase where you are now in the software engineering journey. So show us all that you can! 😊

You need to create a system for a bank. The software needs to have the following features:

1. Create accounts for customers
  - a. As it is a bank account, it has to be identified with an IBAN number. To generate that IBAN, use this website <http://randomiban.com/?country=Netherlands> to get a random IBAN.
2. Put money on accounts (when they deposit it in the bank)
  - a. for each deposit, a 0.1% fee is charged (eg. 1000 is deposited, then put only 999 on the target account)
3. Transfer money from one account to another one (within our system, between our customers' accounts)

The solution has to be in C#. However, you can use any technologies within. You can choose .NET Framework or .NET Core. For the UI you can create a Website, Console App, Winforms, WPF or even no UI but only a Web API. Also, for persistency, you can choose any SQL or NoSQL as you see best fit for the solution.

Make sure your solution works fine by adding tests as per you see fit.

Please, as first step, create a private git repository that you share with us – and commit your work there while you are working on it (we will also check how you commit your code). Please do not put our company name in the repository name.

Take the time you need for creating the solution, but finish it within 1 week from when you received the email with this description.

Good luck!

Update: [please open your git in public.](#)