

Trabalho Prático Nº 2

Specs adicionais

Instruções de utilização (opção --help)

Tanto o programa *user* como o programa *server* dispõem de uma opção “--help”. Quando é usada esta opção depois do nome do programa, são mostradas no ecrã instruções básicas de utilização do mesmo. Estas instruções consistem na explicação dos vários parâmetros e, no caso do programa *user*, na descrição das operações e argumentos requeridos por cada uma delas. O output desta opção é demonstrado nas imagens abaixo.

```
~/Desktop/SOPE/SOPE1819_PROJ/Project_2$ ./user --help
Usage: user id_account "account_password"
        requested_delay operation_code
        "arguments"
Creates a homebanking server in your pc
Example: user 1 "my_password" 3000 1 ""

id_account:
    ID of the user account. Must be an integer between 0 and 4096

account_password:
    Password used to access the server. Must be between 8 and 20 characters long

requested_delay:
    Number of milliseconds to wait before starting the operation.
    This variable is used to test the synchronization of processes and threads.

operation code:
    Code of the operation to execute.
    Options: 0-Account Creation
             1-Balance Inquiry
             2-Money Transfer
             3-Server Shutdown
    Operations 0 and 3 can only be executed by the administrator.

list_of_arguments:
    Arguments requested by the operation.
    Operations 1 and 3 require an empty argument list.
    Operations 0 requires an id, a balance and a password separated by spaces.
    Operations 2 requires an id and an amount separated by spaces.
```

Output de \$./user --help

```
~/Desktop/SOPE/SOPE1819_PROJ/Project_2$ ./server --help
Usage: server number_of_bank_offices "admin_password"
Creates a homebanking server in your pc
Example: server 10 "bad_password"

number_of_bank_offices:
    This argument is an integer that specifies the number of bank offices to create in the server.
    Must be between 1 and 99

admin_password:
    This argument represents the administrator password. It has to be between 8 and 20 characters long.
```

Output de \$./server --help