

Node JS: Weekend Assignment

Node JS – Bank API

The following exercise contains the following subjects:

- ◆ express
- ◆ fs
- ◆ postman

Submitting instructions:

- Push the full folder hierarchy of the project to your own repository on Github.

Please add the following in hive:

- A link to the repository
- Free text – a description of the assignment. Stuff that you found hard to implement, known bugs and your review of this assignment

Instructions:

- Save all data to a json file.
- Create express end points that handle the logic
- Test your work with postman

We are going to build a bank API.

You are a manager of a big bank.

The manager has access to the users of the bank and can do the following:

Add users

Can add users to the bank. Each user has the following: passport id, cash(default 0), credit(default 0).

Depositing

Can deposit cash to a user. (by the users passport id and amount of cash)

Update credit

Can update a users credit (only positive numbers)

Withdraw money

Can withdraw money from the user with cash (can withdraw money until the cash and credit run out. Your cash can be in minus up to the credit limit)

Transferring

Can transfer money from one user to another with cash(can transfer money until the cash and credit run out. Your cash can be in minus up to the credit limit)

Show details of user

Can fetch all details of a particular user

Show details of all users

Can fetch all details of all the users

Use cases:

1. Cannot add duplicate users
2. When fetching users, make sure they exist.
3. Any other use cases?(hint: there are!)

If the use cases are not sufficient send an appropriate error message to the client.

Hero:

Filter the users

1. Can fetch users by amount of cash they have.
2. Think of something else to filter.

Ninja:

Add a new field for a user: IsActive

IsActive determines if the account is active or not.

1. If the user is not active, you cannot do anything with that user.
2. Fetch the users that are active and have a specified amount of cash.