



# Node JS: Weekend Assignment

## Node JS – Bank API

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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.

### Instructions:

- Save all data to a JSON file.
- Create express endpoints that handle the logic
- Test your work with the 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 user's passport id and amount of cash)

## **Update credit**

Can update a users credit (only positive numbers) Withdraw money Can withdraw money from the user (can withdraw money until the cash and credit run out)

## **Transferring**

Can transfer money from one user to another with credit(can transfer money until the cash and credit run out)

## **Show details of the 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:**

## **Deploy**

Deploy your project to [Render](#)

## **Filter the users**

1. Can fetch users by the 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.
3. Test your project with React