Please complete the following task and provide the solution as a Git link to [taavi.saarelainen@nordea.com](mailto:taavi.saarelainen@nordea.com), [arho.huttunen@nordea.com](mailto:arho.huttunen@nordea.com) & [jere.teittinen@nordea.com](mailto:jere.teittinen@nordea.com).'

Implement a solution with a following scenario:

1. Customer wants to see their monthly balance and cumulative balance

2. There is an API that is developed by another team. The API provides bank transactions which include amount transferred and date

3. Things to consider

\* In this task there is no need to develop the API developed by another team

\* How to design your application so that it is testable?

\* If the application must be deployed to a server in remote location, how would you do it?

Method 1

[Register a hosting account](https://netbeans.apache.org/kb/docs/php/wish-list-lesson9.html#_registering_an_email_account)

[Register an FTP account](https://netbeans.apache.org/kb/docs/php/wish-list-lesson9.html#_registering_a_hosting_account)

[Create a remote MySQL database](https://netbeans.apache.org/kb/docs/php/wish-list-lesson9.html#_registering_an_ftp_account)

[Set up your project to use the registered remote web hosting](https://netbeans.apache.org/kb/docs/php/wish-list-lesson9.html#_setting_up_a_php_project_with_existing_sources_and_remote_web_site_run_configuration)

Change your database connection settings to use the remote database

Method 2

Deploy in docker

1. Install Docker on the machines you want to use it;
2. Set up a registry at Docker Hub;
3. Initiate Docker build to create your Docker Image;
4. Set up your 'Dockerized' machines;
5. Deploy your built image or application.

\* Do not mention "Nordea" in the provided task

Create an application that customer can register and login to the application .Customer requests for Monthly Balance .The app sends should send a response with monthly balance (group data by month)and cumulative balance.

The app should send request to new developer API ,the API should send a response with transaction amount and date and post it on the database

We are going to create an API that will post customer id, transaction amount[] and transaction date[]

And we are going to get a response with monthly balance (group data by month)and cumulative balance.

Already developed API

Sends and receives data

Logouts

login

Get response (CustomerId+monthly transferred amount+commulative balance

Sends request CusomerId

GET a response (customer information+amount transferred monthly and cumulative balance)

Sends request CustomerId

API

(Mock API)

APPLICATION