

Nordea

Welcome to your development skills assessment for Nordea



Development Assignment

Before you start:

1. For this assignment you are free to choose your own technology stack:
 - a. Programming language: Java, Kotlin, Scala, C#, Python etc.
 - b. Framework: Spring Boot, Dropwizard, Scalatra, .NET, Django etc.
 - c. IDE: IntelliJ, Eclipse, Visual Studio, etc.
2. You will be asked to demo working services running on your local machine.

Description

Build a RESTful application that has the following endpoints:

- List accounts
- Create account

Requirements:

1. Accounts being created using the “POST /v1/accounts” service **shall** appear in the response when calling “GET /v1/accounts”.
 - a) Some kind of state is expected.

List Accounts Service

Returns a list of accounts.

Request:

Endpoint: GET /v1/accounts

Response:

A successful request returns HTTP 200 OK status code and a JSON response body that lists accounts with account information.

Status: HTTP 200 OK

Content-Type: application/json

List Accounts Service

Sample Response

```
{
  "accounts": [
    {
      "account_number": "60010011111",
      "account_name": "Brukskonto",
      "account_nickname": "Min Brukskonto",
      "account_owner_name": "Ola Nordmann",
      "account_type": "DEPOSIT",
      "currency": "NOK",
      "available_balance": "10000",
      "booked_balance": "8000",
      "status": "open"
    },
    {
      "account_number": "60010122222",
      "account_name": "Sparekonto",
      "account_nickname": "Min Sparekonto",
      "account_owner_name": "Ola Nordmann",
      "account_type": "SAVING",
      "currency": "NOK",
      "available_balance": "50000",
      "booked_balance": "50000",
      "status": "open"
    },
    {
      "account_number": "60010233333",
      "account_name": "Valutakonto",
      "account_nickname": "Min Valutakonto",
      "account_owner_name": "Ola Nordmann",
      "account_type": "CURRENCY",
      "currency": "USD",
      "available_balance": "5000",
      "booked_balance": "5000",
      "status": "open"
    }
  ]
}
```

Create Account Service

Creates an account

Request:

POST /v1/accounts

Response:

A successful request returns HTTP 201 Created status code and a JSON response body that shows account details.

Status: HTTP 201 CREATED

Content-Type: application/json

Create Account Service

Sample Response

```
{
  "account_number": "600100999999",
  "account_name": "Brukskonto",
  "account_nickname": "Min Brukskonto",
  "account_owner_name": "Ola Nordmann",
  "account_type": "DEPOSIT",
  "currency": "NOK",
  "available_balance": "0",
  "booked_balance": "0",
  "status": "open"
}
```

References

- [Spring Initializer](#)
- [Dropwizard](#)
- [Django](#)
- [Scalatra](#)
- [Scala](#)
- [Kotlin](#)
- [Java SDK](#)
- [.NET](#)
- [IntelliJ IDE](#)
- [Eclipse IDE](#)



Good Luck!!!