Microservices - Account and Loan

# Account Service

## AccountServiceApplication.java

@SpringBootApplication  
public class AccountServiceApplication {  
 public static void main(String[] args) {  
 SpringApplication.run(AccountServiceApplication.class, args);  
 }  
}

## model/Account.java

public class Account {  
 private int accountNumber;  
 private String accountHolder;  
 private double balance;  
  
 public Account(int accountNumber, String accountHolder, double balance) {  
 this.accountNumber = accountNumber;  
 this.accountHolder = accountHolder;  
 this.balance = balance;  
 }  
  
 // Getters and Setters  
}

## controller/AccountController.java

@RestController  
@RequestMapping("/account")  
public class AccountController {  
 @GetMapping("/{accountNumber}")  
 public Account getAccount(@PathVariable int accountNumber) {  
 return new Account(accountNumber, "John Doe", 5000.0);  
 }  
}

## application.properties

server.port=8081

# Screenshot 2025-07-17 230318.png

# Loan Service

## LoanServiceApplication.java

@SpringBootApplication  
public class LoanServiceApplication {  
 public static void main(String[] args) {  
 SpringApplication.run(LoanServiceApplication.class, args);  
 }  
}

## model/Loan.java

public class Loan {  
 private int loanId;  
 private String type;  
 private double amount;  
  
 public Loan(int loanId, String type, double amount) {  
 this.loanId = loanId;  
 this.type = type;  
 this.amount = amount;  
 }  
  
 // Getters and Setters  
}

## controller/LoanController.java

@RestController  
@RequestMapping("/loan")  
public class LoanController {  
 @GetMapping("/{loanId}")  
 public Loan getLoan(@PathVariable int loanId) {  
 return new Loan(loanId, "Home Loan", 250000);  
 }  
}

## application.properties

server.port=8082

