# Spring Boot Microservices Setup: Account & Loan

## AccountApplication.java

package com.example.accountservice;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
  
@SpringBootApplication  
public class AccountServiceApplication {  
 public static void main(String[] args) {  
 SpringApplication.run(AccountServiceApplication.class, args);  
 }  
}

## AccountController.java

package com.example.accountservice.controller;  
  
import com.example.accountservice.model.Account;  
import com.example.accountservice.service.AccountService;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.web.bind.annotation.\*;  
  
import java.util.List;  
import java.util.Optional;  
  
@RestController  
@RequestMapping("/accounts")  
public class AccountController {  
  
 @Autowired  
 private AccountService accountService;  
  
 @GetMapping  
 public List<Account> getAllAccounts() {  
 return accountService.getAllAccounts();  
 }  
  
 @GetMapping("/{id}")  
 public Optional<Account> getAccountById(@PathVariable Long id) {  
 return accountService.getAccountById(id);  
 }  
  
 @PostMapping  
 public Account createAccount(@RequestBody Account account) {  
 return accountService.createAccount(account);  
 }  
}

## ApiGatewayApplication.java

package com.example.apigateway;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.cloud.client.discovery.EnableDiscoveryClient;  
  
@SpringBootApplication  
@EnableDiscoveryClient  
public class ApiGatewayApplication {  
  
 public static void main(String[] args) {  
 SpringApplication.run(ApiGatewayApplication.class, args);  
 }  
}

## EurekaServerApplication.java

package com.example.eurekaserver;  
  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.cloud.netflix.eureka.server.EnableEurekaServer;  
  
@SpringBootApplication  
@EnableEurekaServer  
public class EurekaServerApplication {  
  
 public static void main(String[] args) {  
 SpringApplication.run(EurekaServerApplication.class, args);  
 }  
}

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