ARQUITECTURA DE SOFTWARE

Examen 3 Unidad

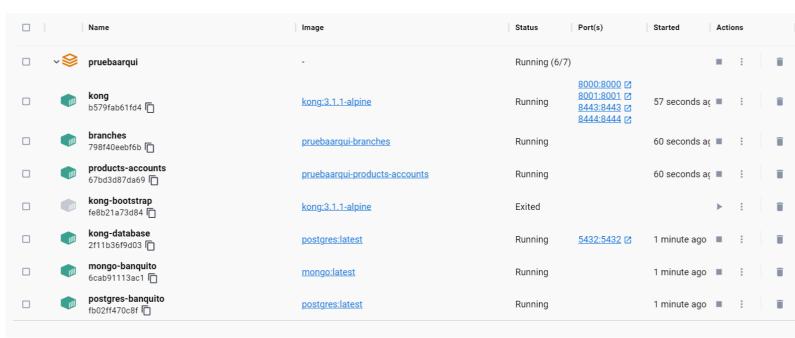
Carvajal Luis

Zurita Diego

DOCKER COMPOSE

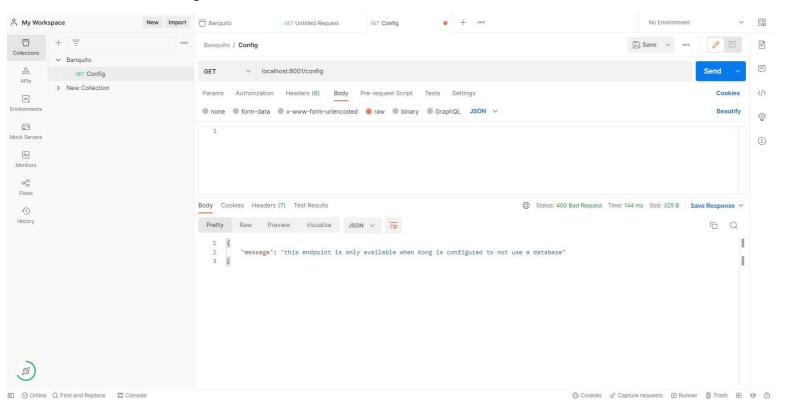
Configuracion de Docker-Compose

DOCKER

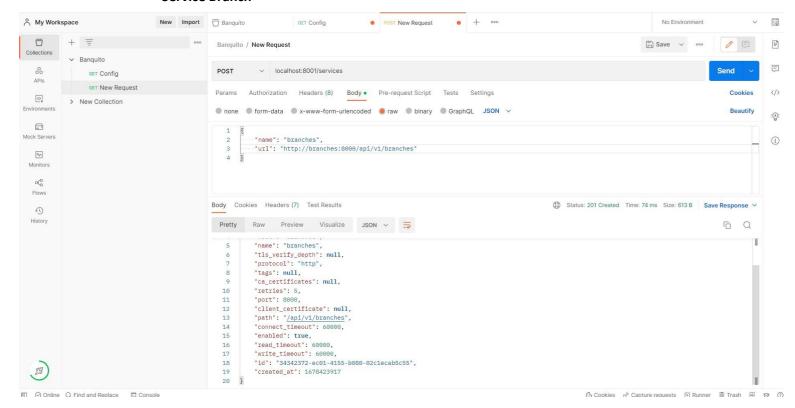


POSTMAN

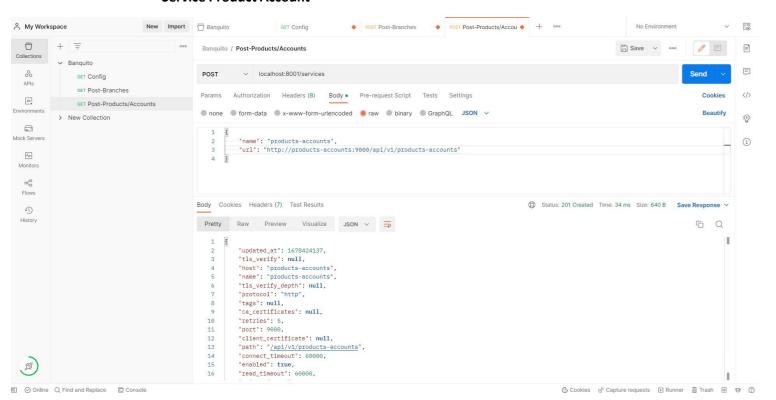
Configuracion KONG



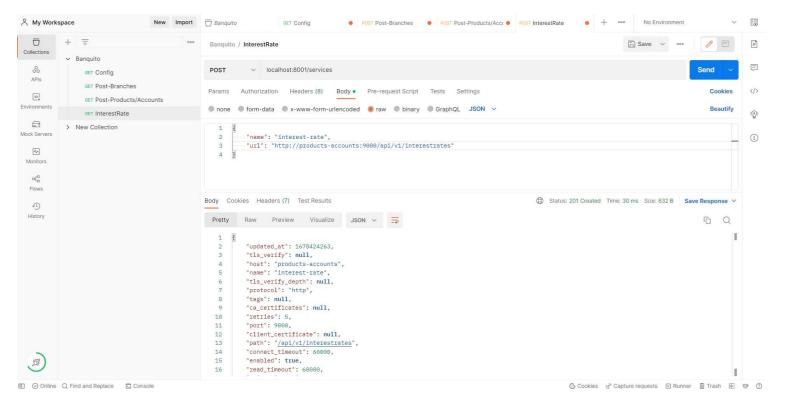
Service Branch



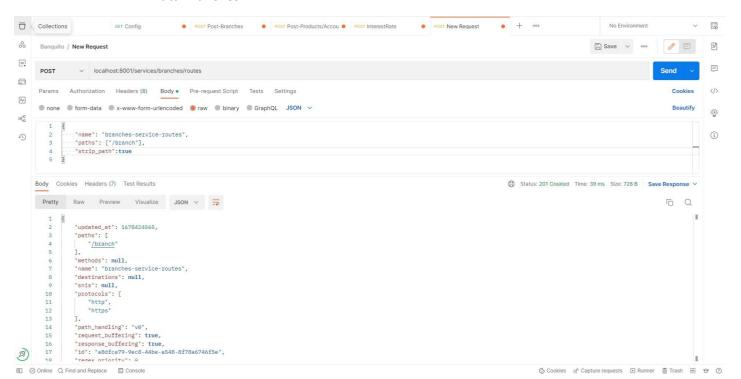
• Service Product Account



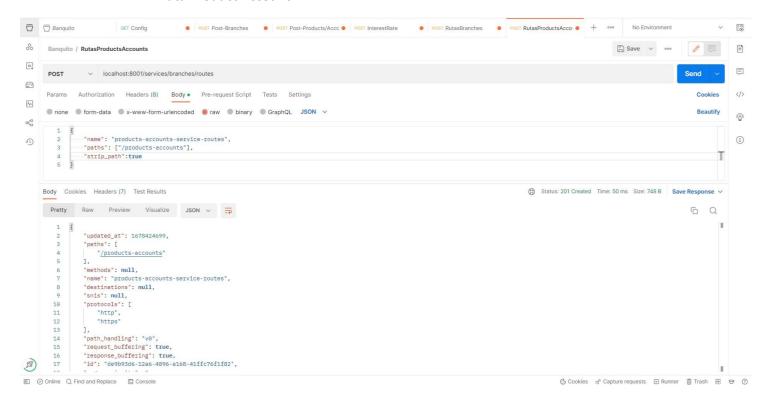
• Service InterestRate



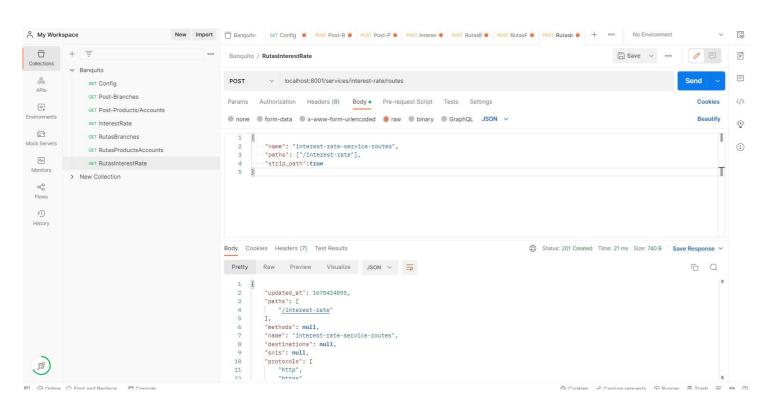
Ruta Branches



• Ruta Product Account

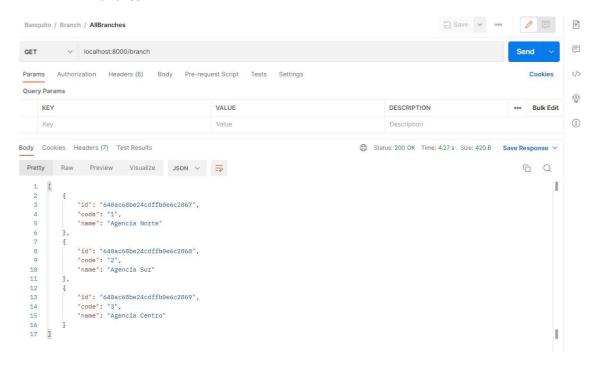


• Ruta InterestRate

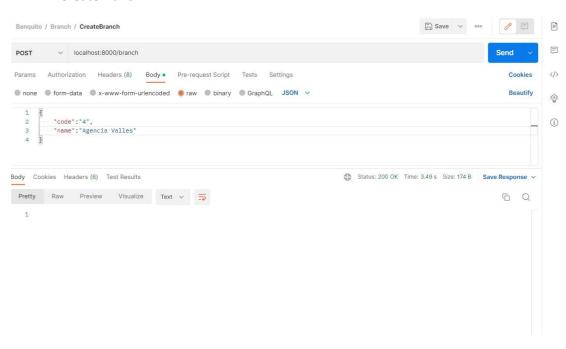


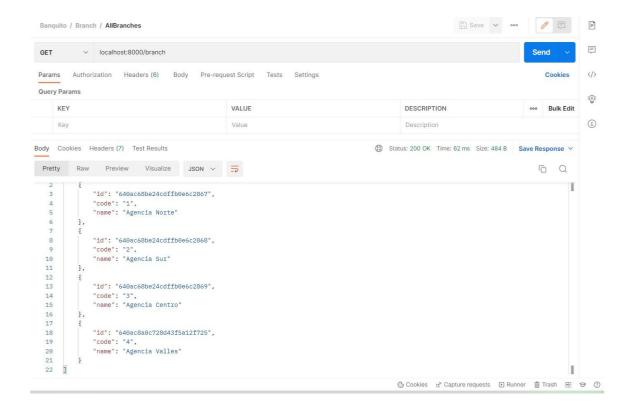
IMPLEMENTACION BRANCHES EN POSTMAN

• All Branches



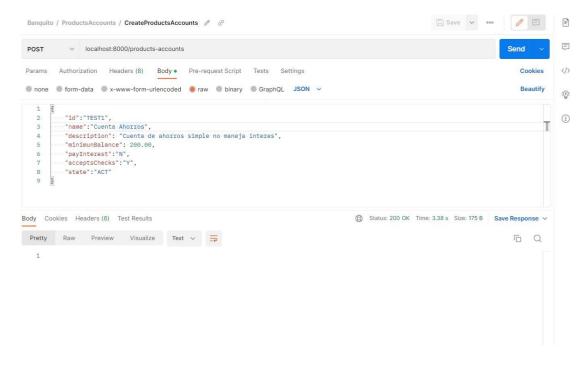
CreateBranch



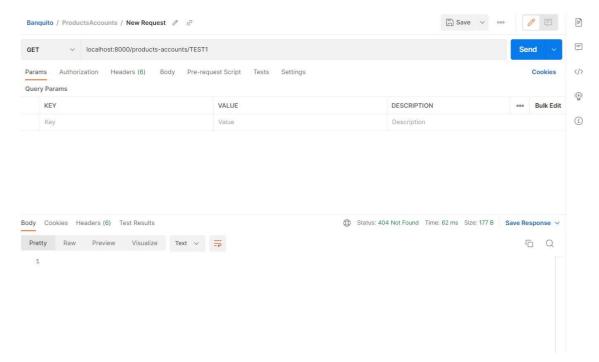


IMPLEMENTACION PRODUCTACCOUNT EN POSTMAN

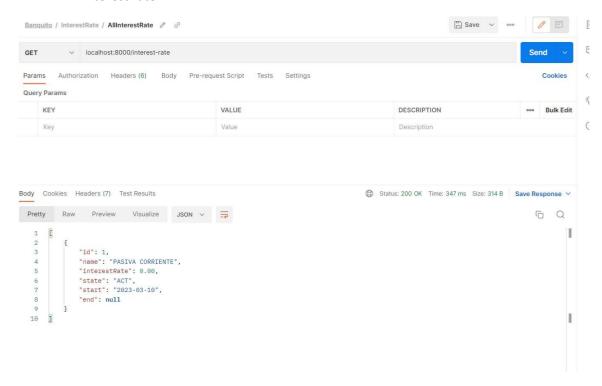
CreateProductsAccounts



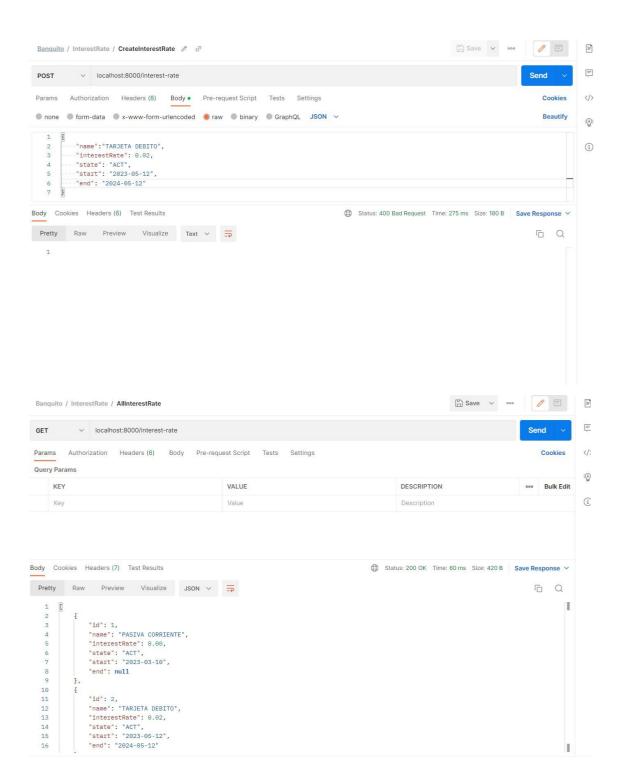
• Get ProductAccountbyId



AllInterestRate

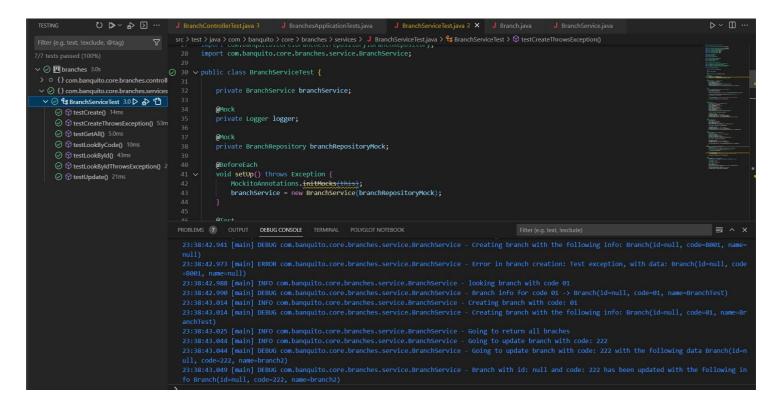


• CreateInterestRate



TEST

BranchService Test



• BranchController Test

```
| Branch Controller Test, post | Stand | Stand
```

ProductAccountService Test

```
U ▷ ∨ ♣ D ...
                                                                                                             J ProductsAccountsServiceTest.java X
                                                                                    private ProductAccountRepository productAccountRepository;
∨ ⊘ ∏ products-accounts 2.2s
                                                                                   private ProductAccountService productAccountService;
> 0 {} com.banquito.core.pro( > & 1)

∨ Ø {} com.banquito.core.productsaccounts

                                                                                    @BeforeEach
   > 🕢 ધ InterestServiceTest
                                                                                   MockitoAnnotations.openMocks(this);
    0
        void testListAllActives() {
                                                                                           account1.setId(id: "1");
account1.setName(name: "account1");
                                                                                            account1.setDescription(description: "description1");
                                                                                           account1.setMinimunBalance(new BigDecimal("100.00"));
account1.setPavInterest(pavInterest: "Y"):
                                                                                                                                                                                                                                                                                                                               ≣ ^ ×
                                                                    onDate=Fri Mar 10 01:13:18 ECT 2023)
01:13:18.760 [main] INFO com.banquito.core.productsaccounts.service.ProductAccountService - Obtaining all active Products Accounts records
01:13:18.768 [main] DEBUG com.banquito.core.productsaccounts.service.ProductAccountService - Returning 2 Products Account with the following info: ProductAccount(id=1, name=account1, description=description1, minimunBalance=100.00, payInterest=Y, acceptsChecks=Y, state=ACT, creationDate=null)
01:13:18.786 [main] DEBUG com.banquito.core.productsaccounts.service.ProductAccountService - Product Account created with the following info: ProductAccount(id=1, name=account1, description=description1, minimunBalance=100.00, payInterest=Y, acceptsChecks=Y, state=ACT, creationDate=Fri Mar 10 01:13:
```

• InterestRateService Test

```
D ~ []
                                                                                           ひ ▷ ~ ♣ ▷ …
                                                                                                                                                                                                                                                          import com.banquito.core.productsaccounts.repository.InterestRateRepository;

∨ Ø {} com.banquito.core.productsaccounts Ø 32

∨ Ø 

InterestServiceTest 2.0s

**TennestServiceTest 2.0s

**TennestSe
                        (A) testListAllActives() 9.0ms
                                                                                                                                                                                                                                                                                      private InterestRateRepository interestRateRepository;
                          O testObtainById() 10ms
                          (2) testObtainByIdNotFound() 6.0ms
                                                                                                                                                                                                                                                                                      @InjectMocks
                          void setUp() {
                           MockitoAnnotations.openMocks(this);
                           ⊘ 分 testUpdateError() 1.9s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Filter (e.g. text, lexclude) Launch Java Tests - $(sy ∨ ≡ ∧ ×
                                                                                                                                                                                                                              end=null)

01:14:22.389 [main] INFO com.banquito.core.productsaccounts.service.InterestRateService - Creating interest rate with the following info: InterestRate (id=null, name=test, interestRate=0.01, state=ACT, start=Fri Mar 10 01:14:22 ECT 2023, end=null)

01:14:22.392 [main] DEBUG com.banquito.core.productsaccounts.service.InterestRateService - Interest rate created with the following info: InterestRate (id=null, name=test, interestRate=0.01, state=ACT, start=Fri Mar 10 01:14:22 ECT 2023, end=null)

01:14:22.404 [main] INFO com.banquito.core.productsaccounts.service.InterestRateService - Going to inactivate Interest Rate with id: 1 01:14:22.415 [main] DEBUG com.banquito.core.productsaccounts.service.InterestRateService - Interest Rate with id: 1 has been inactivated with the following info InterestRate(id=1, name=rate1, interestRate=0.01, state=INA, start=Fri Mar 10 01:14:22 ECT 2023, end=Fri Mar 10 01:14:22 ECT 2023)

01:14:22.426 [main] INFO com.banquito.core.productsaccounts.service.InterestRateService - Looking interest rate by id: 1 01:14:22.434 [main] DEBUG com.banquito.core.productsaccounts.service.InterestRateService - Going to update Interest Rate with id: 1 01:14:22.434 [main] DEBUG com.banquito.core.productsaccounts.service.InterestRateService - Going to update Interest Rate with id: 1 with the following data InterestRate(id=null, name=test, interestRate=0.02, state=ACT, start=Fri Mar 10 01:14:22 ECT 2023, end=null)

01:14:22.436 [main] DEBUG com.banquito.core.productsaccounts.service.InterestRateService - Going to update Interest Rate with id: 1 with the following data InterestRate(id=null, name=test, interestRate=0.02, state=ACT, start=Fri Mar 10 01:14:22 ECT 2023, end=null)

01:14:22.436 [main] DEBUG com.banquito.core.productsaccounts.service.InterestRateService - Interest Rate with id: 1 has been updated with the following data InterestRate (id=null, name=test, interestRate=0.02, state=ACT, start=Fri Mar 10 01:14:22 ECT 2023, end=null)
```

COVERAGE

Branches

<u>▶ branches</u> > <u>⊕ com.banquito.core.branches.service</u> > <u>⊚</u> BranchService

BranchService

Element	Missed Instructions	Cov. 9	Missed Branches +	Cov.	Missed®	Cxty	Missed	Lines	Missed	Methods *
update(String, Branch)		64 %		50 %	1	2	4	14	0	1
create(Branch)		100 %		n/a	0	1	0	8	0	1
lookByld(String)		100 %		100 %	0	2	0	5	0	1
 lookByCode(String) 	_	100 %		n/a	0	1	0	4	0	1
getAll()	=	100 %		n/a	0	1	0	2	0	1
 BranchService(BranchRepository) 		100 %		n/a	0	1	0	3	0	1
static {}		100 %		n/a	0	1	0	1	0	1
Total	25 of 161	84 %	1 of 4	75 %	1	9	4	37	0	7

BranchController

Element	Missed Instructions +	Cov.	Missed Branches Cov.	Missed	Cxty	Missed Lines	Missed *	Methods *
update(String, BranchRQRS)		50 %	n/a	0	1	3 5	0	1
 create(BranchRQRS) 		100 %	n/a	0	1	0 6	0	1
<u>obtainByCode(String)</u>		100 %	100 %	0	2	0 5	0	1
obtainAll()		100 %	n/a	0	1	0 4	0	1
 BranchController(BranchService) 		100 %	n/a	0	1	0 3	0	1
static {}		100 %	n/a	0	1	0 1	0	1
Total	13 of 93	86 %	0 of 2 100 %	0	7	3 24	0	6

ProductAccount

ProductAccountService

Element	Missed Instructions -	Cov. \$	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
<u>create(ProductAccount)</u>		100 %		n/a	0	1	0	9	0	1
obtainByld(String)		100 %		100 %	0	2	0	5	0	1
<u>listAllActives()</u>		100 %		n/a	0	1	0	4	0	1
ProductAccountService(ProductAccountRepository)	_	100 %		n/a	0	1	0	3	0	1
● <u>static {}</u>		100 %		n/a	0	1	0	1	0	1
Total	0 of 87	100 %	0 of 2	100 %	0	6	0	22	0	- 5

InterestRateService

Element	Missed Instructions	Cov.	Missed Branches	Þ	Cov.	Missed	Cxty	Missed	Lines	Missed *	Methods
inactivate(Integer)		59 %	_		50 %	1	2	4	14	0	1
update(Integer, InterestRate)		100 %		1	00 %	0	2	0	15	0	1
create(InterestRate)		100 %			n/a	0	1	0	8	0	1
obtainByld(Integer)		100 %		1	00 %	0	2	0	5	0	1
listAllActives()		100 %			n/a	0	1	0	4	0	1
InterestRateService(InterestRateRepository)	=	100 %			n/a	0	1	0	3	0	1
● <u>static {}</u>	=	100 %			n/a	0	1	0	1	0	1
Total	25 of 209	88 %	1 of 6		83 %	1	10	4	50	0	7