

# UML

CASH MANAGER

Team: 7

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# UML - Server

Package Arrangement

Classes Diagram

Data Base Diagram

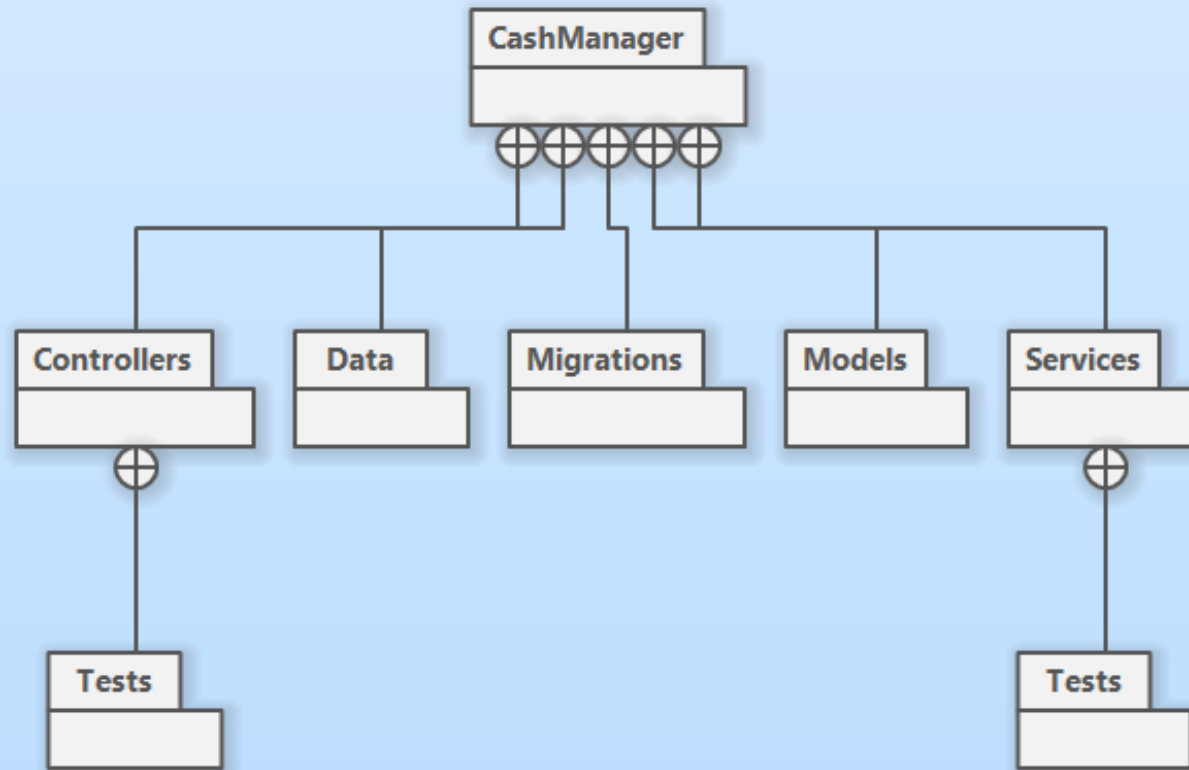
Migration History

Use Case Diagram

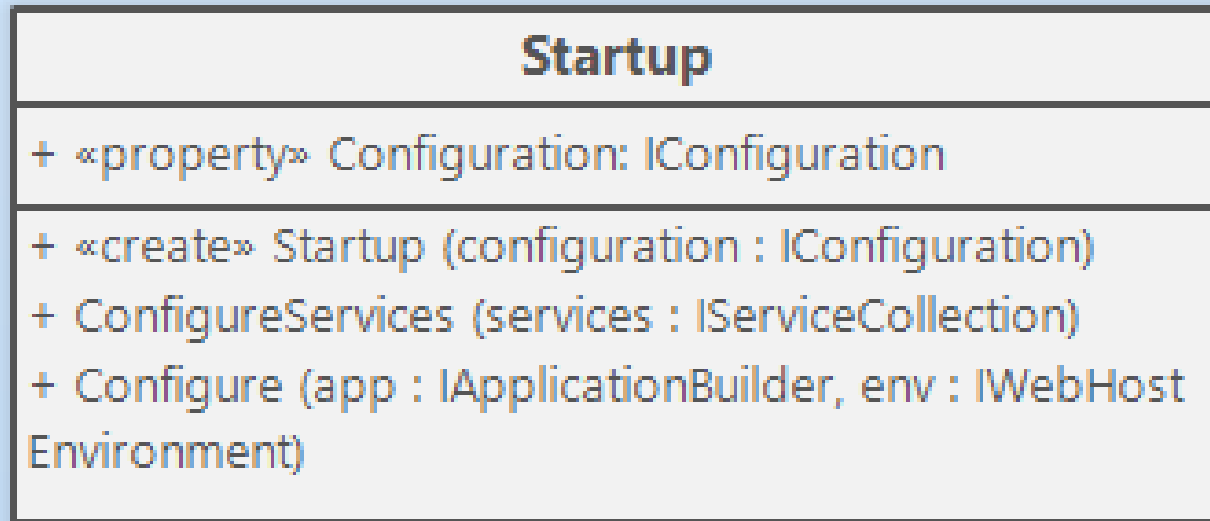
Sequence Diagram

Deployment Diagram

Activity Diagram



Packages  
Arrangement



Classes -  
CashManager

## UserController

```
- _userService: IUserService {readOnly}
- _productService: IProductService {readOnly}

+ «create» UserController (userService : IUserService,
productService : IProductService)
+ Index (): JsonResult
+ Login (username : string, password : string): JsonResult
+ GetProductPrice (productReference : string): JsonResult
+ Pay (userId : int, ammount : float, isCreditCard : bool):
JsonResult
    {Annotation = HttpPost}
```

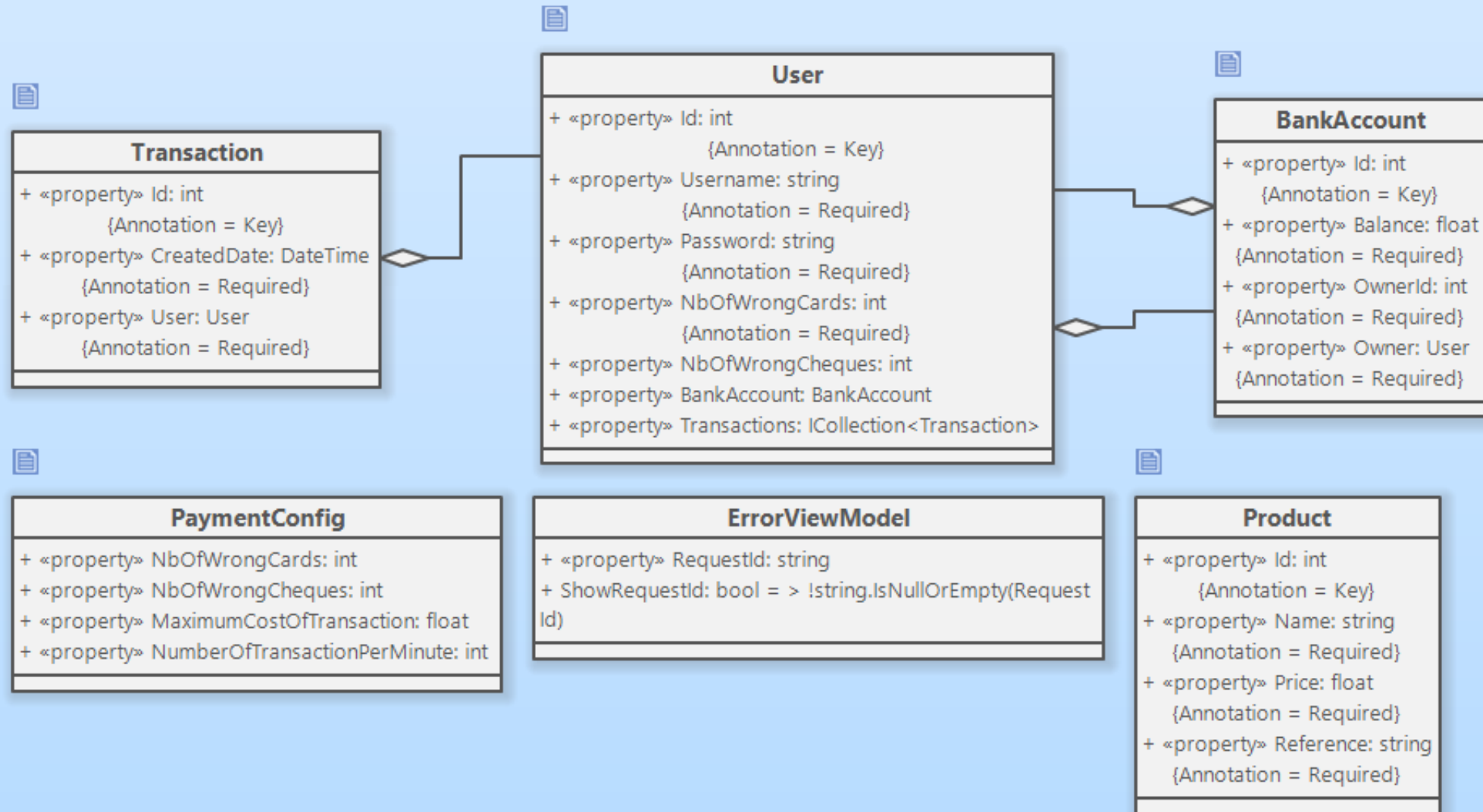
Classes –  
Controller -  
UserController

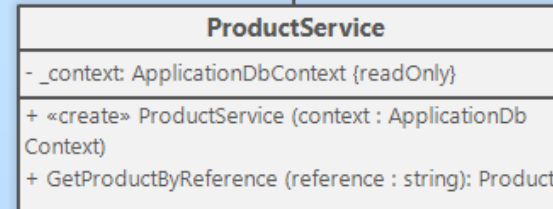
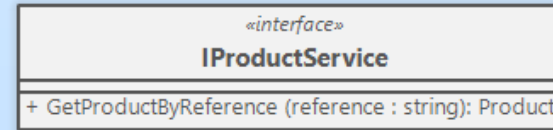
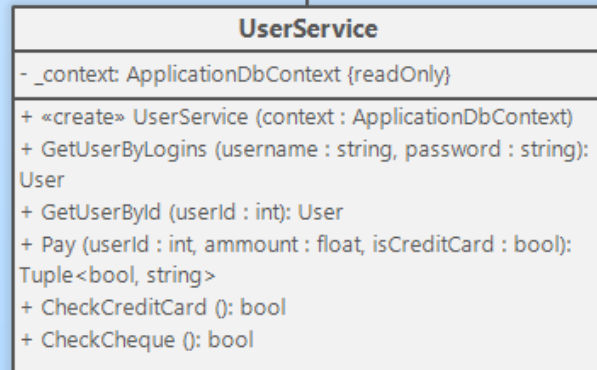
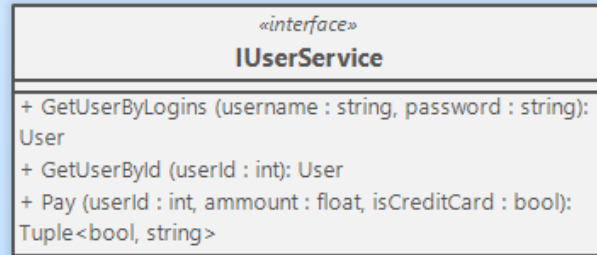
## ApplicationDbContext

```
+ «property» Users: DbSet<User>  
+ «property» Transactions: DbSet<Transaction>  
+ «property» BankAccounts: DbSet<BankAccount>  
+ «property» Products: DbSet<Product>  
  
+ «create» ApplicationDbContext (options : DbContext  
Options<ApplicationDbContext>)  
# OnModelCreating (modelBuilder : modelBuilder)
```

Classes – Data -  
ApplicationDbContext

# Classes - Models





Classes -  
Service



## **UserControllerTest**

- + LoginTestSuccess ()
- + LoginTestFailUser ()
- + LoginTestFailPass ()
- + GetProductPriceTestSuccess ()
- + GetProductPriceTestFail ()
- + PayTestSuccess ()  
    {Annotation = TestMethod}
- + PayTestFailByGetUser ()  
    {Annotation = TestMethod}

# Classes – Test – UserController Test

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## **UserServiceTest**

```
+ GetUserByLoginsTest ()  
+ GetUserByLoginsTestFail ()  
    {Annotation = TestMethod()}  
+ GetUserByIdTestSuccess ()  
+ GetUserByIdTestFail ()  
+ PayTestCreditCardSucess ()  
+ PayTestChequeSucess ()  
+ PayTestChequeFailAttempt ()  
+ PayTestChequeFailFund ()  
+ PayTestCreditCardFailAttempt ()  
+ PayTestCreditCardFailFund ()  
    {Annotation = TestMethod}  
+ PayTestFailTooManyTransactions ()  
    {Annotation = TestMethod()}  
+ CheckCreditCardTest ()  
    {Annotation = TestMethod()}  
+ CheckChequeTest ()  
    {Annotation = TestMethod()}
```

# Classe – Test- UserService Test

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Database  
schéma

Migration1
# Up (migrationBuilder : MigrationBuilder)
# Down (migrationBuilder : MigrationBuilder)

InitMigration
# BuildTargetModel (modelBuilder : ModelBuilder)

Migration1
# BuildTargetModel (modelBuilder : ModelBuilder)

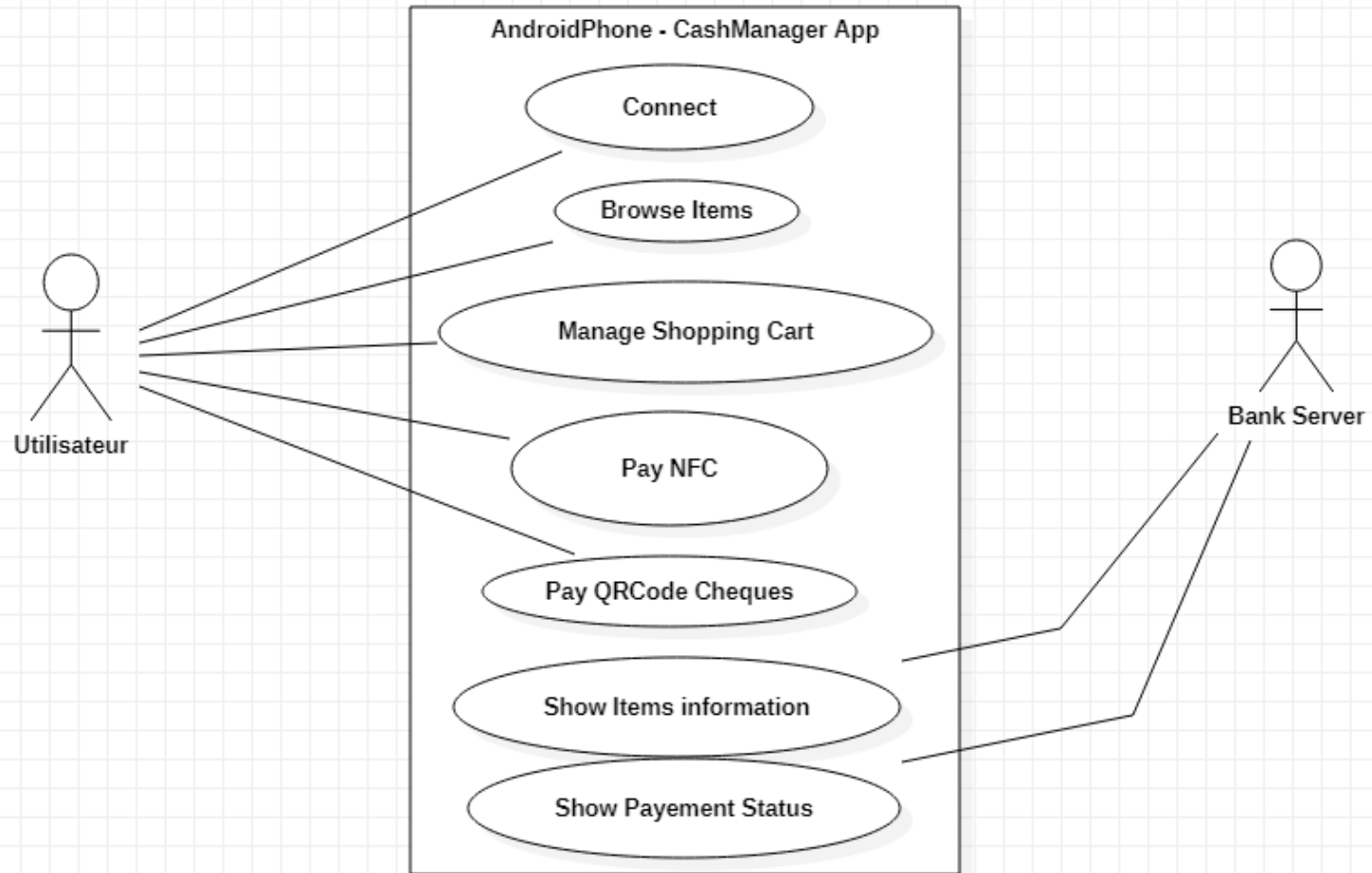
InitMigration
# Up (migrationBuilder : MigrationBuilder)
# Down (migrationBuilder : MigrationBuilder)

Migration2
# Up (migrationBuilder : MigrationBuilder)
# Down (migrationBuilder : MigrationBuilder)

Migration2
# BuildTargetModel (modelBuilder : ModelBuilder)

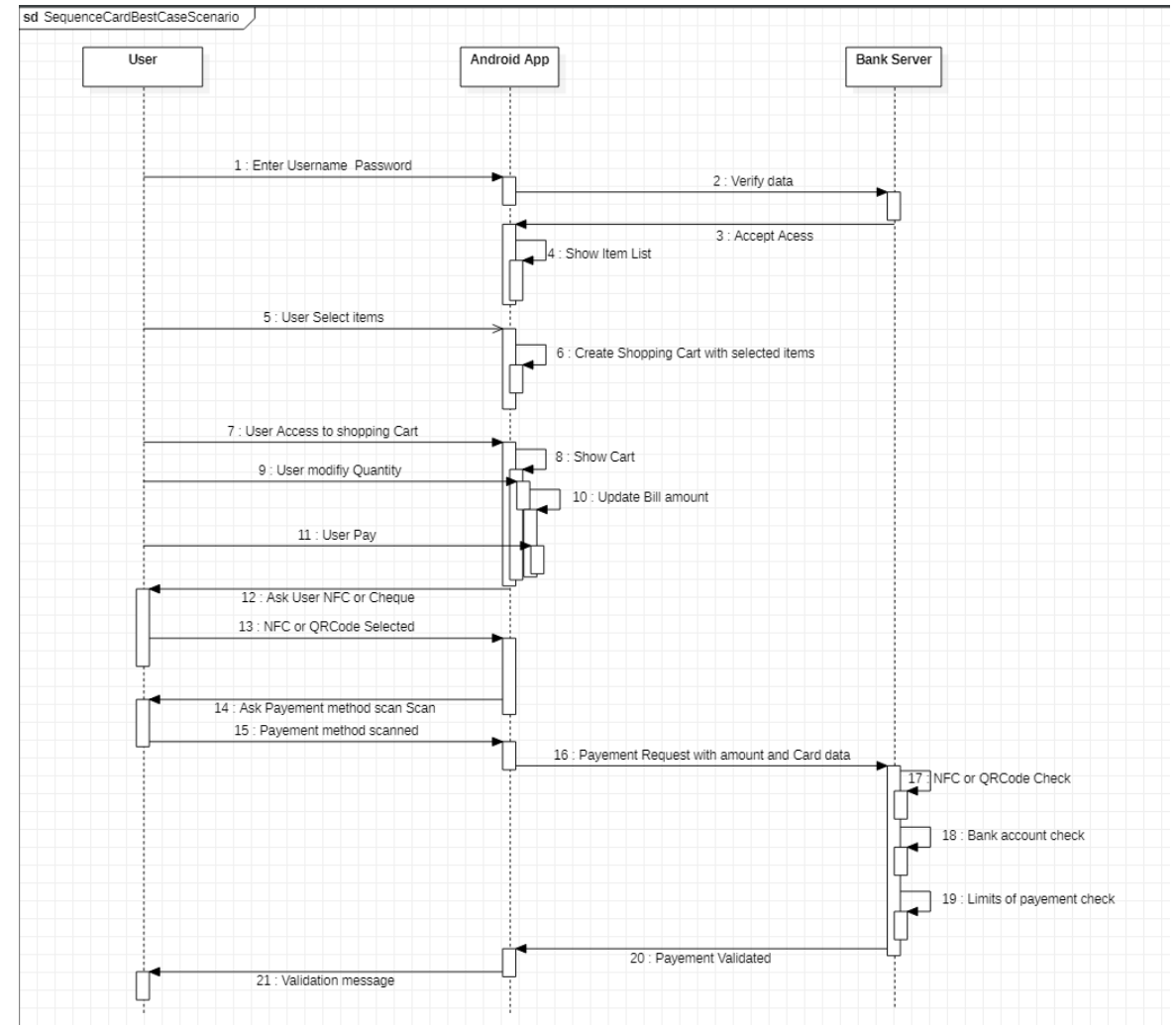
ApplicationDbContextModelSnapshot
# BuildModel (modelBuilder : ModelBuilder)

# Migration History

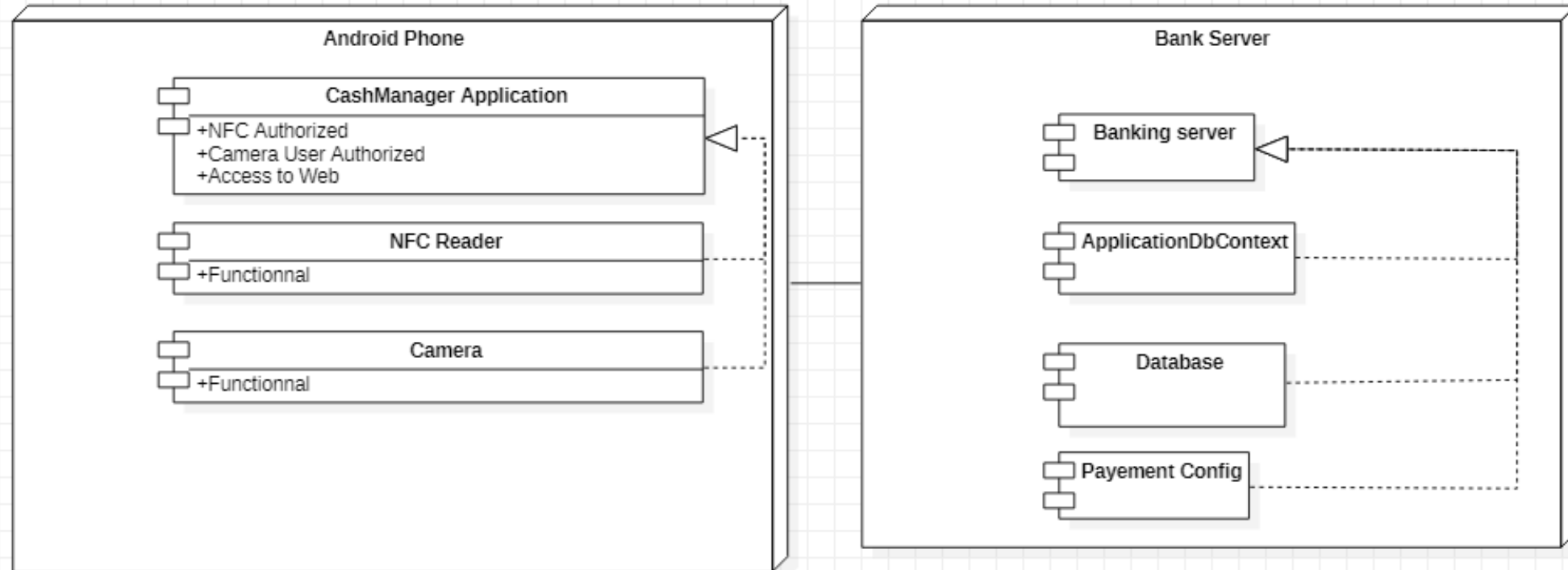


Use Case  
Diagram -  
App

# Sequence Diagram – Best Case Scenario



# Deployment Diagram



# Activity Diagram

Trouvez le PDF ActivityDiag dans le fichier source

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