**классы entity в проекте выше банк и услуги банка и обмен валюты**

**Клиент (Client):**

@Entity

@Table(name = "clients")

@Data

public class Client {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "manager\_id")

private Long managerId;

@Column(name = "status")

private String status;

@Column(name = "tax\_code")

private String taxCode;

@Column(name = "first\_name")

private String firstName;

@Column(name = "last\_name")

private String lastName;

@Column(name = "email")

private String email;

@Column(name = "address")

private String address;

@Column(name = "phone")

private String phone;

@Column(name = "created\_at")

private LocalDateTime createdAt;

@Column(name = "updated\_at")

private LocalDateTime updatedAt;

// Constructors, getters, setters

}

**Счет (Account):**

@Entity

@Table(name = "accounts")

@Data

public class Account {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "client\_id")

private Long clientId;

@Column(name = "name")

private String name;

@Column(name = "type")

private String type;

@Column(name = "status")

private String status;

@Column(name = "balance")

private double balance;

@Column(name = "currency\_code")

private String currencyCode;

@Column(name = "created\_at")

private LocalDateTime createdAt;

@Column(name = "updated\_at")

private LocalDateTime updatedAt;

// Constructors, getters, setters

}

**Продукт (Product):**

@Entity

@Table(name = "products")

@Data

public class Product {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "manager\_id")

private Long managerId;

@Column(name = "name")

private String name;

@Column(name = "status")

private String status;

@Column(name = "currency\_code")

private String currencyCode;

@Column(name = "interest\_rate")

private double interestRate;

@Column(name = "limit")

private double limit;

@Column(name = "created\_at")

private LocalDateTime createdAt;

@Column(name = "updated\_at")

private LocalDateTime updatedAt;

// Constructors, getters, setters

}

**Соглашение (Agreement):**

@Entity

@Table(name = "agreements")

@Data

public class Agreement {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "account\_id")

private Long accountId;

@Column(name = "product\_id")

private Long productId;

@Column(name = "interest\_rate")

private double interestRate;

@Column(name = "status")

private String status;

@Column(name = "sum")

private double sum;

@Column(name = "created\_at")

private LocalDateTime createdAt;

@Column(name = "updated\_at")

private LocalDateTime updatedAt;

// Constructors, getters, setters

}

**Транзакция (Transaction):**

@Entity

@Table(name = "transactions")

@Data

public class Transaction {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "debit\_account\_id")

private Long debitAccountId;

@Column(name = "credit\_account\_id")

private Long creditAccountId;

@Column(name = "type")

private String type;

@Column(name = "amount")

private double amount;

@Column(name = "description")

private String description;

@Column(name = "created\_at")

private LocalDateTime createdAt;

// Constructors, getters, setters

}

**Менеджер (Manager):**

@Entity

@Table(name = "managers")

@Data

public class Manager {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "first\_name")

private String firstName;

@Column(name = "last\_name")

private String lastName;

@Column(name = "status")

private String status;

@Column(name = "description")

private String description;

@Column(name = "created\_at")

private LocalDateTime createdAt;

// Constructors, getters, setters

}

**BankService (Услуга банка):**

@Entity

@Table(name = "bank\_services")

@Data

public class BankService {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

private String name; // Название услуги

private BankServiceType serviceType; // Тип услуги

// Другие поля по необходимости

// Конструкторы, геттеры, сеттеры

}

**CurrencyExchangeService (Услуга обмена валюты):**

@Entity

@Table(name = "currency\_exchange\_services")

@Data

public class CurrencyExchangeService {

// Добавьте необходимые поля для реализации функционала обмена валюты

// Конструкторы, геттеры, сеттеры

}

**CashService (Услуга кассы):**

@Entity

@Table(name = "cash\_services")

@Data

public class CashService {

// Добавьте необходимые поля для реализации функционала услуги кассы

// Конструкторы, геттеры, сеттеры

}