

Credora Global - Scalable Credit Card Intelligence Platform (Key Entities Identified)

1. Customer

(PK: customer_id(int);

Attributes: first_name(varchar), last_name(varchar), email(varchar), phone(varchar), dob(date), country(varchar), kyc_status(bool), created_at(datetime))

2. CardType

(PK: card_type_id(int);

Attributes: name(varchar), annual_fee(numeric), cashback_percent(numeric), rewards_multiplier(numeric))

3. CreditCard

(PK: card_id(int);

FK: customer_id -> Customer.customer_id, card_type_id -> CardType.card_type_id;

Attributes: credit_limit(numeric), issued_date(date), expiry_date(date), status(varchar), currency(varchar))

4. Merchant

(PK: merchant_id(int);

Attributes: name(varchar), category(varchar), country(varchar), city(varchar), contact_email(varchar))

5. TransactionCategory

(PK: category_id(int);

Attributes: name(varchar), description(text))

6. Transaction

(PK: transaction_id(int);

FK: card_id -> CreditCard.card_id, merchant_id -> Merchant.merchant_id, category_id -> TransactionCategory.category_id;

Attributes: amount(numeric), currency(varchar), transaction_date(datetime), transaction_type(varchar), status(varchar))

7. Rewards

(PK: reward_id(int);

FK: card_id -> CreditCard.card_id;

Attributes: points_earned(numeric), points_redeemed(numeric), last_updated(datetime))

8. Redemption

(**PK:** redemption_id(int);

FK: reward_id -> Rewards.reward_id;

Attributes: redeemed_amount(numeric), redeemed_date(datetime),
redemption_type(varchar))

9. Statement

(**PK:** statement_id(int);

FK: card_id -> CreditCard.card_id;

Attributes: period_start(date), period_end(date), total_due(numeric),
min_due(numeric), generated_date(datetime), paid_status(bool))

10. Payment

(**PK:** payment_id(int);

FK: statement_id -> Statement.statement_id;

Attributes: amount(numeric), payment_date(datetime), payment_method(varchar),
status(varchar))

11. Branch

(**PK:** branch_id(int);

Attributes: country(varchar), city(varchar), manager_name(varchar),
contact_number(varchar))

12. CountryRegulation

(**PK:** regulation_id(int);

Attributes: country(varchar), description(text), last_updated(datetime))

13. CreditScore

(**PK:** score_id(int);

FK: customer_id -> Customer.customer_id;

Attributes: score_value(int), score_date(date), provider(varchar))

14. FraudAlert

(**PK:** alert_id(int);

FK: transaction_id -> Transaction.transaction_id;

Attributes: alert_type(varchar), alert_date(datetime), status(varchar),
resolution_notes(text))

15. CustomerSupportTicket

(**PK:** ticket_id(int);

FK: customer_id -> Customer.customer_id, card_id -> CreditCard.card_id;

Attributes: category(varchar), opened_at(datetime), resolved_at(datetime),
status(varchar), notes(text))

16. CardLimitChange

(**PK:** change_id(int);

FK: card_id -> CreditCard.card_id;

Attributes: previous_limit(numeric), new_limit(numeric), change_date(datetime), requested_by(varchar))

17. Offer

(**PK:** offer_id(int);

FK: card_type_id -> CardType.card_type_id;

Attributes: description(text), start_date(date), end_date(date), eligible_categories(text))

18. AccountLock

(**PK:** lock_id(int);

FK: card_id -> CreditCard.card_id;

Attributes: reason(text), locked_at(datetime), unlocked_at(datetime), status(varchar))

19. CardUpgrade

(**PK:** upgrade_id(int);

FK: card_id -> CreditCard.card_id, old_card_type -> CardType.card_type_id, new_card_type -> CardType.card_type_id;

Attributes: upgrade_date(datetime), approved_by(varchar))

20. ATMTransaction

(**PK:** atm_txn_id(int);

FK: card_id -> CreditCard.card_id;

Attributes: atm_id(varchar), amount(numeric), currency(varchar), txn_date(datetime), status(varchar))