

APEX BANK CONVERSION TO RELATION

Account (account_number, balance, password, surname, first_name, middle_name, suffix, phone_number, address, email, birth_date, creation_date, card_number, card_expiration_date, cvv)

Admin (admin_id, password, surname, first_name, middle_name, suffix, phone_number, email, birth_date)

ExternalBank (bank_code, bank_name, api_url, result_url)

FundTransfer (transaction_id, source, recipient, date, amount, time, description)

FundTransferExternalReceive (transaction_id, source, recipient, date, amount, bank_code, time)

FundTransferExternalSend (transaction_id, source, recipient, date, amount, bank_code, time)

Withdraw (transaction_id, admin_id, amount, account_number, date, time)

Deposit (transaction_id, admin_id, amount, account_number, date, time)

FUNCTIONAL DEPENDENCIES:

Account Table:

account_number → balance, password, surname, first_name, middle_name, suffix, phone_number, address, email, birth_date, creation_date, card_number, card_expiration_date, cvv

Admin Table:

admin_id → password, surname, first_name, middle_name, suffix, phone_number, email, birth_date

ExternalBank Table:

bank_code → bank_name, api_url, result_url

FundTransfer Table:

transaction_id → source, recipient, date, amount, time, description

FundTransferExternalReceive Table:

transaction_id → source, recipient, date, amount, bank_code, time

FundTransferExternalSend Table:

transaction_id → source, recipient, date, amount, bank_code, time

Withdraw Table:

transaction_id → admin_id, amount, account_number, date, time

admin_id → password, surname, first_name, middle_name, suffix, phone_number, email, birth_date

account_number → balance, password, surname, first_name, middle_name, suffix, phone_number, address, email, birth_date, creation_date, card_number, card_expiration_date, cvv

Deposit Table:

transaction_id → admin_id, amount, account_number, date, time

admin_id → password, surname, first_name, middle_name, suffix, phone_number, email, birth_date

account_number → balance, password, surname, first_name, middle_name, suffix, phone_number, address, email, birth_date, creation_date, card_number, card_expiration_date, cvv