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-- Create companies table
CREATE TABLE companies (
    company_id BIGINT AUTO_INCREMENT PRIMARY KEY,
    company_name VARCHAR(255) NOT NULL UNIQUE
);

-- Create users table
CREATE TABLE users (
    user_id BIGINT AUTO_INCREMENT PRIMARY KEY,
    username VARCHAR(255) NOT NULL UNIQUE,
    email VARCHAR(255) NOT NULL UNIQUE,
    password VARCHAR(255) NOT NULL,
    company_id BIGINT NOT NULL,
    FOREIGN KEY (company_id) REFERENCES companies(company_id)
);

-- Create branches table
CREATE TABLE branches (
    branch_id BIGINT AUTO_INCREMENT PRIMARY KEY,
    branch_name VARCHAR(255) NOT NULL,
    company_id BIGINT NOT NULL,
    FOREIGN KEY (company_id) REFERENCES companies(company_id)
);

-- Create bank_statements table
CREATE TABLE bank_statements (
    statement_id BIGINT AUTO_INCREMENT PRIMARY KEY,
    user_id BIGINT NOT NULL,
    company_id BIGINT NOT NULL,
    branch_id BIGINT NOT NULL,
    statement_date DATE NOT NULL,
    statement_data TEXT NOT NULL,
    FOREIGN KEY (user_id) REFERENCES users(user_id),
    FOREIGN KEY (company_id) REFERENCES companies(company_id),
    FOREIGN KEY (branch_id) REFERENCES branches(branch_id)
);

CREATE TABLE transactions (
    id BIGINT AUTO_INCREMENT PRIMARY KEY,
    transaction_id VARCHAR(255) NOT NULL UNIQUE,
    date TIMESTAMP NOT NULL,
    amount DOUBLE NOT NULL,
    description VARCHAR(255) NOT NULL,

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company_name VARCHAR(255) NOT NULL  
);
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