**✅ 1. Items（物品表）**

CREATE TABLE Items (

item\_id INTEGER PRIMARY KEY GENERATED ALWAYS AS IDENTITY,

name NVARCHAR(255),

description NVARCHAR(500),

category NVARCHAR(100),

unit\_price DECIMAL(10,2),

unit NVARCHAR(50),

status NVARCHAR(50),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

-- 全文索引（用于支持模糊搜索）

CREATE FULLTEXT INDEX idx\_item\_name ON Items(name) TEXT ANALYSIS ON;

**✅ 2. ItemStorage（物品存放表）**

CREATE TABLE ItemStorage (

storage\_id INTEGER PRIMARY KEY GENERATED ALWAYS AS IDENTITY,

item\_id INTEGER,

location NVARCHAR(255),

quantity INTEGER,

status NVARCHAR(50),

note NVARCHAR(255),

FOREIGN KEY (item\_id) REFERENCES Items(item\_id)

);

-- 全文索引（位置模糊搜索）

CREATE FULLTEXT INDEX idx\_item\_location ON ItemStorage(location) TEXT ANALYSIS ON;

**✅ 3. PurchaseList（购物清单表）**

CREATE TABLE PurchaseList (

purchase\_id INTEGER PRIMARY KEY GENERATED ALWAYS AS IDENTITY,

item\_name NVARCHAR(255),

planned\_qty INTEGER,

actual\_qty INTEGER,

unit\_price DECIMAL(10,2),

status NVARCHAR(50),

linked\_item\_id INTEGER,

FOREIGN KEY (linked\_item\_id) REFERENCES Items(item\_id)

);

**✅ 4. ReimbursementDetail（报销明细表）**

CREATE TABLE ReimbursementDetail (

reim\_id INTEGER PRIMARY KEY GENERATED ALWAYS AS IDENTITY,

item\_name NVARCHAR(255),

amount DECIMAL(10,2),

person NVARCHAR(100),

date DATE,

linked\_purchase\_id INTEGER,

FOREIGN KEY (linked\_purchase\_id) REFERENCES PurchaseList(purchase\_id)

);

**✅ 5. ProjectDocuments（项目文档管理）**

CREATE TABLE ProjectDocuments (

doc\_id INTEGER PRIMARY KEY GENERATED ALWAYS AS IDENTITY,

project\_name NVARCHAR(255),

doc\_title NVARCHAR(255),

doc\_path NVARCHAR(500),

linked\_item\_id INTEGER,

note NVARCHAR(255),

FOREIGN KEY (linked\_item\_id) REFERENCES Items(item\_id)

);

**✅ 6. WorkPlan（工作计划安排）**

CREATE TABLE WorkPlan (

plan\_id INTEGER PRIMARY KEY GENERATED ALWAYS AS IDENTITY,

person\_name NVARCHAR(100),

device\_name NVARCHAR(100),

task NVARCHAR(255),

start\_time TIMESTAMP,

end\_time TIMESTAMP,

status NVARCHAR(50)

);