

## DB Project – Project Document Layout

### Table Skeleton:

#### Items

itemName	itemNum	itemPrice	locaID	empID
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#### Employee

empID	empSex	empName
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#### Location

locaID	locaStorage
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#### Pay

empID	payperHr	bank
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### **Primary Key**

### **Foreign Key**

### MYSQL Commands:

- Items –
  - CREATE TABLE Items ( itemName VARCHAR(50) PRIMARY KEY, itemNum serial UNIQUE NOT NULL, itemPrice decimal (4,2) NOT NULL, locaID INT NULL, empID INT NULL);
- Employee –
  - CREATE TABLE Employee ( empID serial PRIMARY KEY, empSex VARCHAR(1), empName VARCHAR(50) NOT NULL);
- Location –
  - CREATE TABLE Location ( locaID serial PRIMARY KEY, locaStorage VARCHAR(50) UNIQUE NOT NULL, itemName VARCHAR(50) NULL);
- Pay –
  - CREATE TABLE Pay ( empID INT NOT NULL, payperHr INT NOT NULL, bank VARCHAR(50) NULL);

### Constraints:

- ALTER TABLE Items ADD CONSTRAINT fk\_locaID FOREIGN KEY (locaID) REFERENCES Location(locaID) ON DELETE SET NULL;

- ALTER TABLE Items ADD CONSTRAINT fk\_employID FOREIGN KEY (employID) REFERENCES Employee(employID) ON DELETE SET NULL;
- ALTER TABLE Location ADD CONSTRAINT fk\_itemName FOREIGN KEY (itemName) REFERENCES Items(itemName) ON DELETE SET NULL;
- ALTER TABLE Pay ADD CONSTRAINT fk\_employID FOREIGN KEY (employID) REFERENCES Employee(employID);

#### Permission:

- ALTER DEFAULT PRIVILEGES IN SCHEMA public  
GRANT SELECT, INSERT, UPDATE, DELETE ON TABLES TO project\_manager;

For existing Objects:

- GRANT ALL PRIVILEGES ON ALL TABLES IN SCHEMA public TO project\_manager;
- GRANT ALL PRIVILEGES ON ALL SEQUENCES IN SCHEMA public TO project\_manager;

#### Table Values:

Items:

Chair	Default	25.00	2	1
Bed	Default	500.00	4	1
Dresser	Default	175.00	1	NULL

INSERT INTO items (itemName, itemnum, itemprice, locaid, employid) VALUES ('Dresser', DEFAULT, 75.00, NULL, NULL);

Employee:

Default (1)	F	Sam
Default (2)	M	Jesse
Default (3)	F	Alice

INSERT INTO employee (employid, employsex, employName) VALUES (DEFAULT, 'F', 'Sam');

Location:

Default (1)	Newark
Default (2)	Union
Default (3)	Dumont
Default (4)	Short Hill

INSERT INTO location (localID, locaStorage) VALUES (DEFAULT, 'Newark');

Pay:

Default	20	Wells Fargo
Default	25	Chase
Default	21	Bank of America
Default	30	NULL

INSERT INTO pay (empID, payperHr, bank) VALUES (1, 20, 'Wells Fargo');

**Connection through Terminal :** psql

postgres://project\_manager:testing@localhost:5432/project