

<https://youtu.be/iz50AnNQKnw>
<https://github.com/keith1221221/MySQL>

```
DROP TABLE IF EXISTS step;  
DROP TABLE IF EXISTS project_category;  
DROP TABLE IF EXISTS project;  
DROP TABLE IF EXISTS material;  
DROP TABLE IF EXISTS category;
```

```
CREATE TABLE category(  
  category_id INT NOT NULL,  
  category_name VARCHAR(128) NOT NULL)  
;
```

```
CREATE TABLE material(  
  material_id INT NOT NULL,  
  project_id INT NOT NULL,  
  material_name VARCHAR(128),  
  num_required INT,  
  cost DECIMAL (8,2))  
;
```

```
CREATE TABLE project(  
  project_id INT NOT NULL,  
  project_name VARCHAR(128) NOT NULL,  
  estimated_hours INT,  
  actual_hours INT,  
  difficulty VARCHAR(10),  
  notes VARCHAR(256))  
;
```

```
CREATE TABLE project_category(  
  project_id INT NOT NULL,  
  category_id INT NOT NULL)  
;
```

```
CREATE TABLE step(  
  step_id INT NOT NULL,  
  project_id INT NOT NULL,  
  step_text VARCHAR(128),  
  step_order INT NOT NULL)  
;
```