

Package Explorer

CodeAlong

Games

HelloWorld

JavaFinalProject

MasteryQuestions

MyFirstProject

mysql-java [eclipse-workspace main]

> > src/main/java

> > projects

> > projects.dao

> > projects.entity

> > projects.exception

> > projects.service

> > recipes

> > recipes.dao

> > recipes.entity

> > recipes.exception

> > recipes.service

> > src/main/resources

projects-schema.sql

recipe_schema.sql

recipes_model.mwb

src/test/java

src/test/resources

JRE System Library [JavaSE-1.7]

Maven Dependencies

> > src

> > target

pom.xml

OctoberTesting

WarGame

WarGameFinalProject

Week-02-Conditions_and_Loops

week1VariablesAndOperations

Week2Assignment

Week3CodingAssignment

Week5

Week5Assignment

WeeklyLiveSessionsExercises

projects-schema.sql

```
1 DROP TABLE IF EXISTS project;
2 DROP TABLE IF EXISTS material;
3 DROP TABLE IF EXISTS step;
4 DROP TABLE IF EXISTS category;
5 DROP TABLE IF EXISTS project_category;
6
7
8 CREATE TABLE project (
9   project_id INT /*AUTO_INCREMENT*/ NOT NULL,
10  project_name VARCHAR(128) NOT NULL,
11  estimated_hours DECIMAL(7,2),
12  actual_hours DECIMAL(7,2),
13  difficulty INT,
14  notes TEXT,
15  PRIMARY KEY (project_id)
16 );
17
18 CREATE TABLE material (
19  material_id INT /*AUTO_INCREMENT*/ NOT NULL,
20  project_id INT /*AUTO_INCREMENT*/ NOT NULL,
21  material_name VARCHAR(128) NOT NULL,
22  num_required INT,
23  cost DECIMAL(7,2),
24  PRIMARY KEY (material_id),
25  FOREIGN KEY(project_id) REFERENCES project (project_id)
26 );
27
28 CREATE TABLE step (
29  step_id INT /*AUTO_INCREMENT*/ NOT NULL,
30  project_id INT /*AUTO_INCREMENT*/ NOT NULL,
31  step TEXT,
32  step_order INT,
33  PRIMARY KEY (step_id),
34  FOREIGN KEY(project_id) REFERENCES project (project_id) ON DELETE CASCADE
35 );
36
37 CREATE TABLE category (
38  category_id INT NOT NULL,
39  category_name VARCHAR(128) NOT NULL,
40  PRIMARY KEY(category_id)
41 );
42
43 CREATE TABLE project_category (
44  project_id INT /*AUTO_INCREMENT*/ NOT NULL,
45  category_id INT NOT NULL,
46  FOREIGN KEY(project_id) REFERENCES project (project_id) ON DELETE CASCADE,
47  FOREIGN KEY(category_id ) REFERENCES category (category_id ) ON DELETE CASCADE,
48  UNIQUE KEY (project_id, category_id)
49 );
50
51
```

Outline

DROP TABLE IF EXISTS project

DROP TABLE IF EXISTS material

DROP TABLE IF EXISTS step

DROP TABLE IF EXISTS category

DROP TABLE IF EXISTS project_category

CREATE TABLE project

CREATE TABLE material

CREATE TABLE step

CREATE TABLE category

CREATE TABLE project_category

Talking: Stephanie Back

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Writable

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