

First Part UPDATE

```
eclipse-workspace - mysql-java-projects-week10/src/main/java/ProjectsApp.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console X Progress
ProjectsApp [Java Application] C:\Users\kevin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.2.v20220201-1208\jre\bin\javaw.exe (Sep 8, 2022, 6:33:43 AM) [pid: 95612]

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details

You are working with a project.
ID=null
name=null
estimatedHours=null
actualHours=null
difficulty=null
notes=null
Materials:
Steps:
Categories:
Enter a menu selection: 4
Enter the project name [null]: Hang a door
Enter the estimated hours [null]: 4
Enter the actual hours [null]: 1
Enter the project difficulty (1-5)[null]: 1
Enter the notes [null]: needs paint
Connecting with urijdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!
```

```
eclipse-workspace - mysql-java-projects-week10/src/main/java/ProjectsApp.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console X Progress
ProjectsApp [Java Application] C:\Users\kevin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.2.v20220201-1208\jre\bin\javaw.exe (Sep 8, 2022, 6:33:43 AM) [pid: 95612]

Enter the estimated hours [null]: 4
Enter the actual hours [null]: 1
Enter the project difficulty (1-5)[null]: 1
Enter the notes [null]: needs paint
Connecting with urijdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!

Error: projects.exception.DbException: java.sql.SQLSyntaxErrorException: You have an error in your SQL syntax; check t

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details

You are working with a project.
ID=null
name=null
estimatedHours=null
actualHours=null
difficulty=null
notes=null
Materials:
Steps:
Categories:
Enter a menu selection:
```

Second Part UPDATE

```
eclipse-workspace - mysql-java-projects-week10/src/main/java/projects/dao/ProjectDao.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details

You are working with a project.
ID=null
name=null
estimatedHours=null
actualHours=null
difficulty=null
notes=null
Materials:
Steps:
Categories:
Enter a menu selection: 3
Connecting with urijdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!

Projects:
1: Hang a door
5: Hang a door
6: Hang a door
2: Instal a window
```

```
eclipse-workspace - mysql-java-projects-week10/src/main/java/projects/dao/ProjectDao.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

6: Hang a door
2: Instal a window
4: Planting bushes
3: Trim trees
Enter a project ID to select a project: 1
Connecting with urijdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details

You are working with a project.
ID=1
name=Hang a door
estimatedHours=4.00
actualHours=3.00
difficulty=3
notes=Use the door hangers from Home Depot
Materials:
ID=1, materialName=2-inch screws, numRequired=20, cost=null
ID=2, materialName=3-inch screws, numRequired=10, cost=null
Steps:
ID=3 startText=Screw door hangers on the top and bottom of each side of the door frame
```

```
eclipse-workspace - mysql-java-projects-week10/src/main/java/projects/dao/ProjectDao.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

ProjectApp [Java Application] C:\Users\kevin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.2.v20220201-1208\jre\bin\javaw.exe (Sep 8, 2022, 8:05:16 AM) [pid: 94056]
ID=1, materialName=2-inch screws, numRequired=20, cost=null
ID=2, materialName=3-inch screws, numRequired=10, cost=null
Steps:
ID=3, stepText=Screw door hangers on the top and bottom of each side of the door frame
Categories:
ID=2, categoryName=Trees and Bushes
Enter a menu selection: 4
Enter the project name [Hang a door]: Hang a closet door
Enter the estimated hours [4.00]: 4.5
Enter the actual hours [3.00]: 3.5
Enter the project difficulty (1-5)[3]: 1
Enter the notes [Use the door hangers from Home Depot]:
Connecting with urijdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!
Connecting with urijdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details

You are working with a project.
ID=1
name=Hang a closet door
```

```
eclipse-workspace - mysql-java-projects-week10/src/main/java/projects/dao/ProjectDao.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

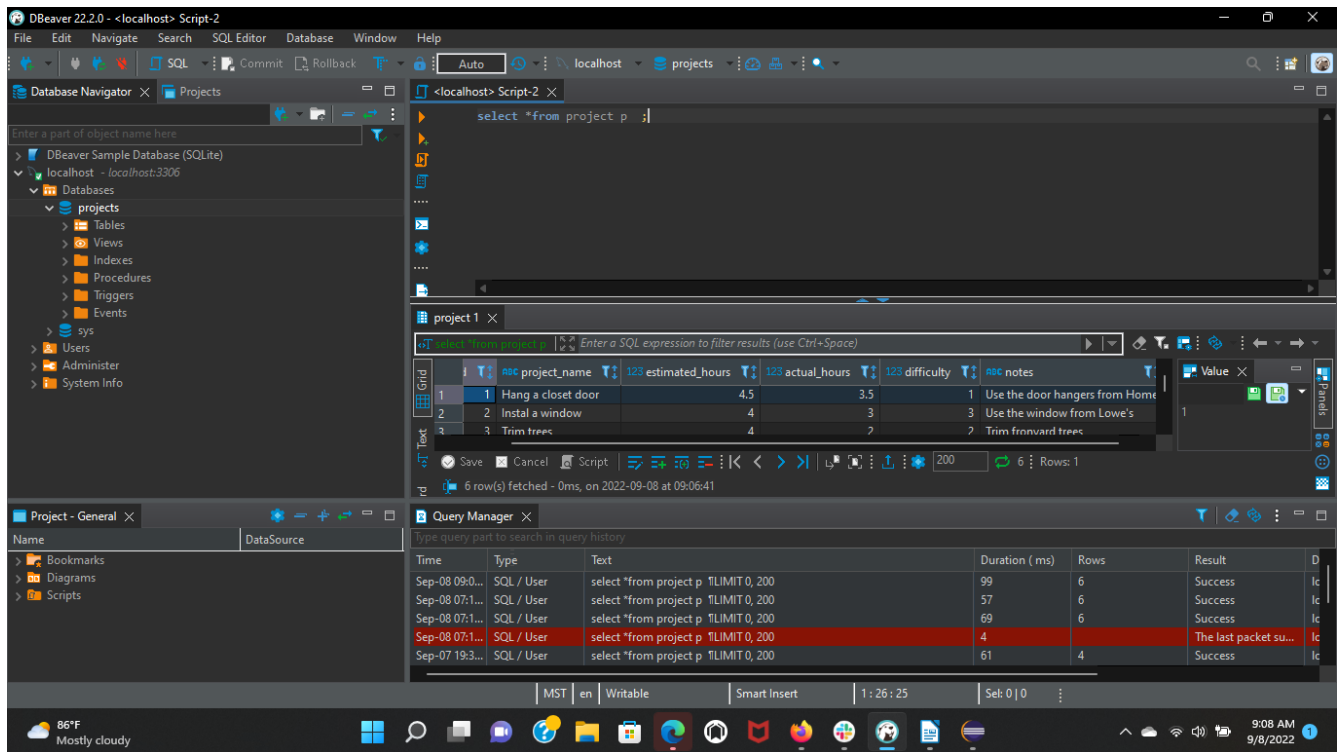
ProjectApp [Java Application] C:\Users\kevin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.2.v20220201-1208\jre\bin\javaw.exe (Sep 8, 2022, 8:05:16 AM - 8:11:05 AM) [pid: 94056]
Successfully obtained connection:

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details

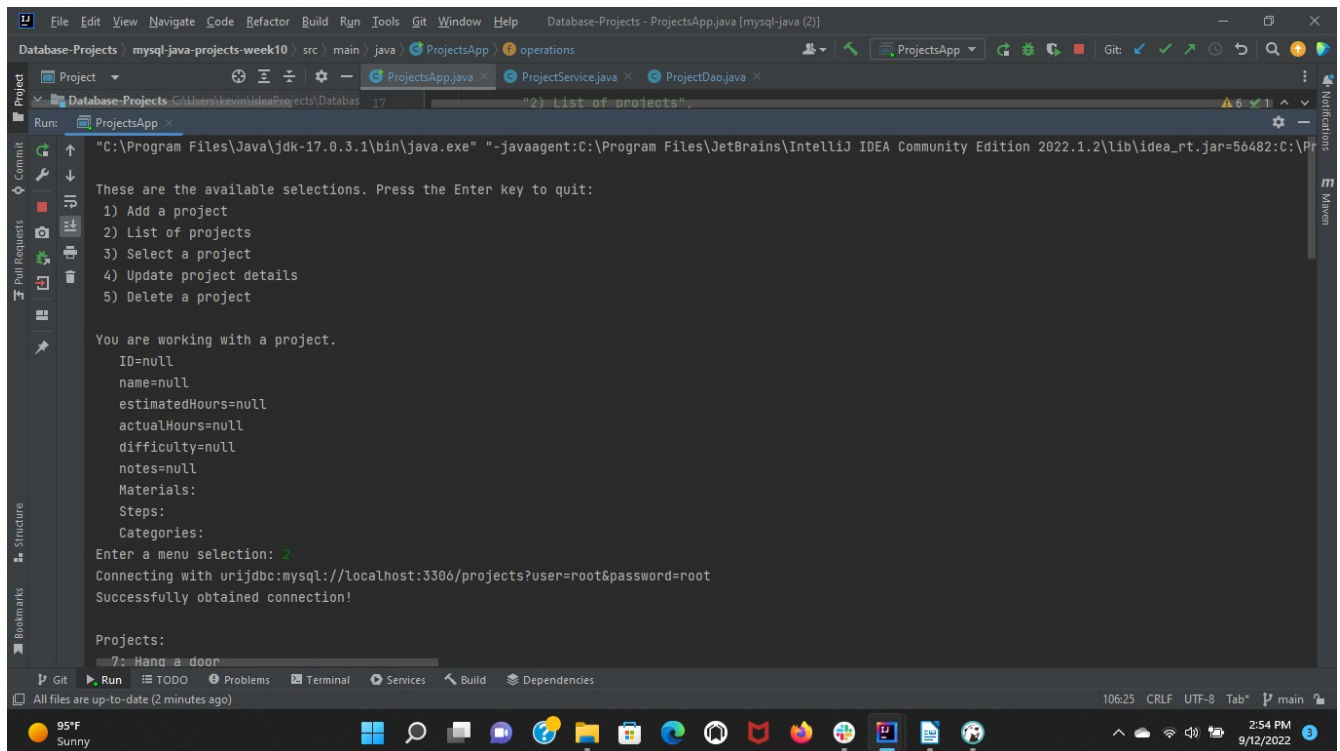
You are working with a project.
ID=1
name=Hang a closet door
estimatedHours=4.50
actualHours=3.50
difficulty=1
notes=Use the door hangers from Home Depot
Materials:
ID=1, materialName=2-inch screws, numRequired=20, cost=null
ID=2, materialName=3-inch screws, numRequired=10, cost=null
Steps:
ID=3, stepText=Screw door hangers on the top and bottom of each side of the door frame
Categories:
ID=2, categoryName=Trees and Bushes
Enter a menu selection:

Exiting the menu. Goodbye.
```

Database Changes



Deleting a Project



```
File Edit View Navigate Code Refactor Build Run Tools Git Window Help Database-Projects - ProjectsApp.java [mysql-java (2)]
Database-Projects \mysql-java-projects-week10\src\main\java\ProjectsApp operations
Project Project
Database-Projects \Users\kevin\idea\Projects\Databas 17 "2) List of projects".
Run: ProjectsApp
Projects:
7: Hang a door
2: Instal a window
4: Planting bushes
3: Trim trees

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details
5) Delete a project

You are working with a project.
ID=null
name=null
estimatedHours=null
actualHours=null
difficulty=null
notes=null
Materials:
Steps:
Categories:
Enter a menu selection: 5
Connecting with uri: jdbc:mysql://localhost:3306/projects?user=root&password=root
```

```
File Edit View Navigate Code Refactor Build Run Tools Git Window Help Database-Projects - ProjectsApp.java [mysql-java (2)]
Database-Projects \mysql-java-projects-week10\src\main\java\ProjectsApp operations
Project Project
Database-Projects \Users\kevin\idea\Projects\Databas 17 "2) List of projects".
Run: ProjectsApp
Enter a menu selection: 5
Connecting with uri: jdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!

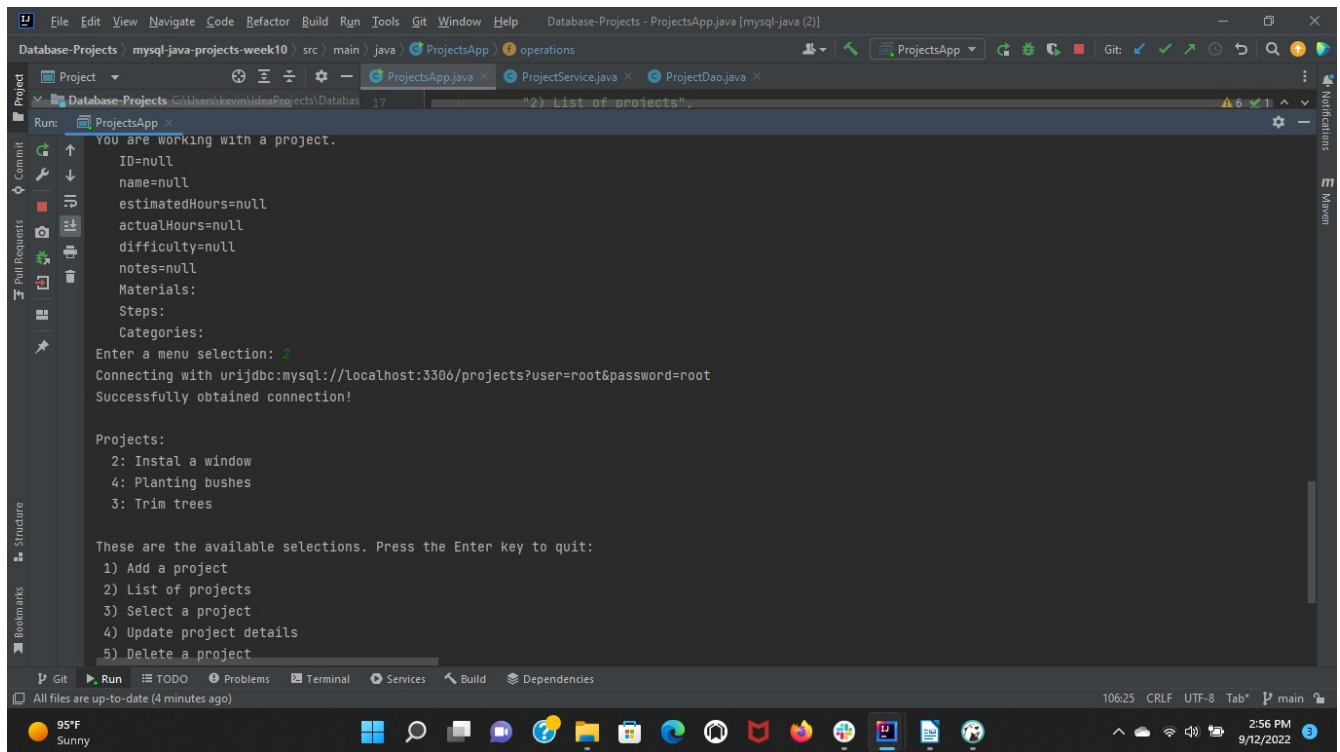
Projects:
7: Hang a door
2: Instal a window
4: Planting bushes
3: Trim trees

Enter the ID of the project to delete: 7
Connecting with uri: jdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!
project 7 was deleted successfully.

Error: java.lang.NullPointerException: Cannot invoke "java.lang.Integer.equals(Object)" because the return value of "projects.entity.Project.getProjectId()"
is null

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details
5) Delete a project

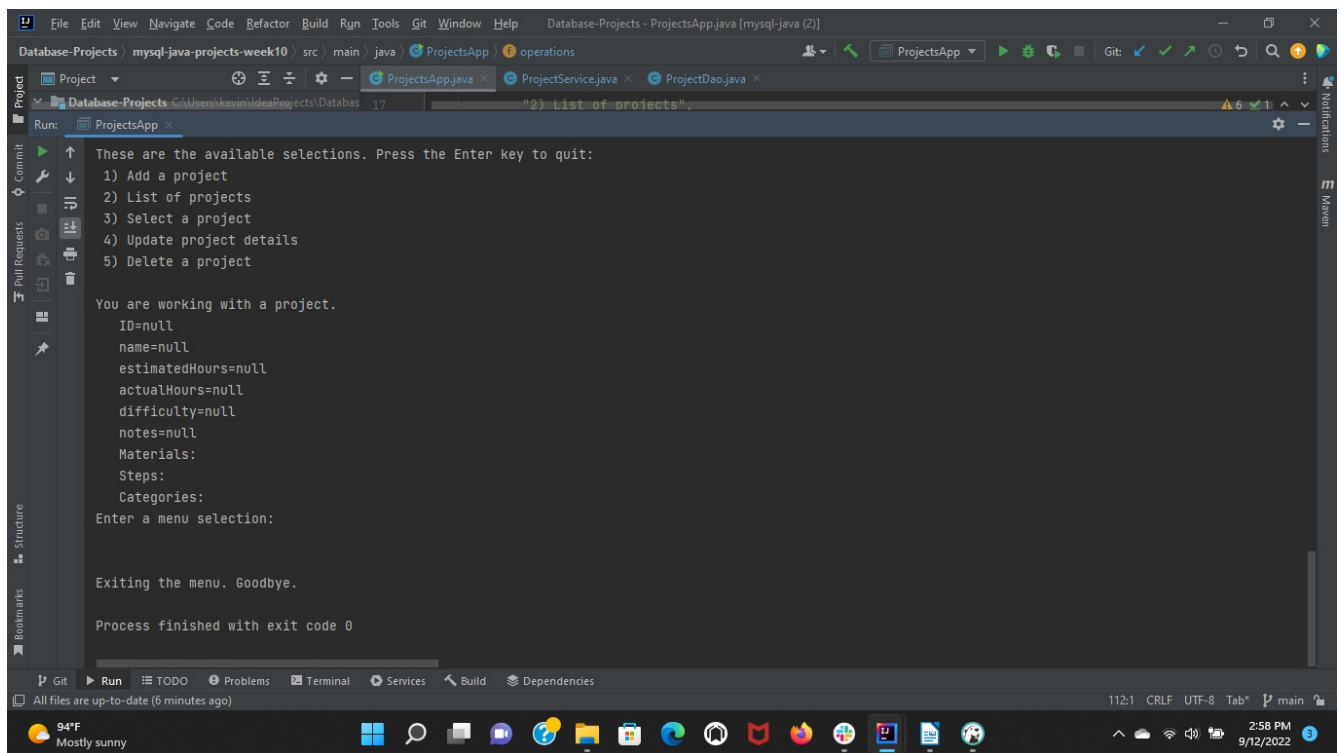
You are working with a project.
ID=null
```



```
Database-Projects - mysql-java-projects-week10 > src > main > java > ProjectsApp > operations
Run: ProjectsApp
You are working with a project.
ID=null
name=null
estimatedHours=null
actualHours=null
difficulty=null
notes=null
Materials:
Steps:
Categories:
Enter a menu selection: 2
Connecting with urijdbc:mysql://localhost:3306/projects?user=root&password=root
Successfully obtained connection!

Projects:
2: Instal a window
4: Planting bushes
3: Trim trees

These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details
5) Delete a project
```



```
Database-Projects - mysql-java-projects-week10 > src > main > java > ProjectsApp > operations
Run: ProjectsApp
These are the available selections. Press the Enter key to quit:
1) Add a project
2) List of projects
3) Select a project
4) Update project details
5) Delete a project

You are working with a project.
ID=null
name=null
estimatedHours=null
actualHours=null
difficulty=null
notes=null
Materials:
Steps:
Categories:
Enter a menu selection:

Exiting the menu. Goodbye.

Process finished with exit code 0
```

GitHub Address

<https://github.com/kevinkhalili/Database-Projects/tree/main/mysql-java-projects-week11>