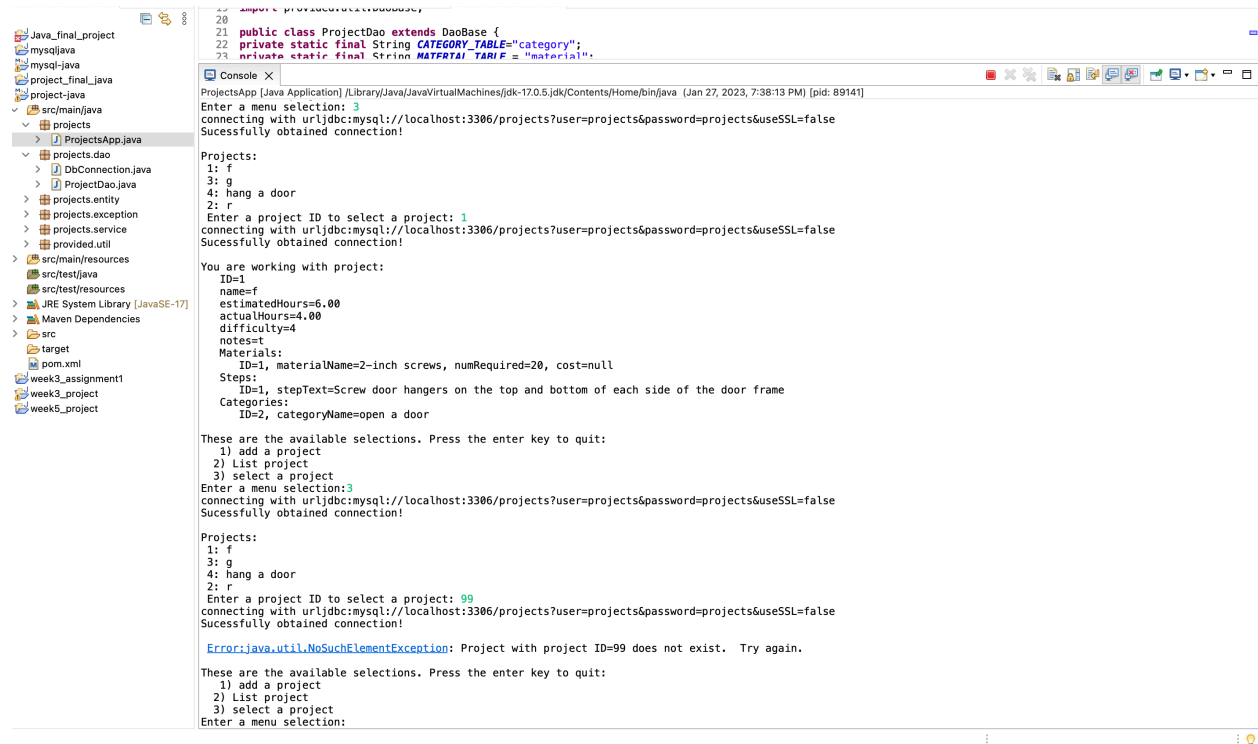


Video link: [vimeo.com/user188009984/](https://vimeo.com/user188009984/)

Github link:



The screenshot shows an IDE with a project explorer on the left and a console window on the right. The project explorer shows a project named 'Java\_final\_project' with a package structure including 'src/main/java' and 'src/test/java'. The console window shows the output of a Java application named 'ProjectsApp'. The application starts by connecting to a MySQL database and successfully obtains a connection. It then displays a menu of options: 1) add a project, 2) List project, 3) select a project, and 4) hang a door. The user enters '3' to select a project. The application then displays the details of the selected project (ID=1) and the available materials (ID=1, materialName=2-inch screws, numRequired=20, cost=null). The user enters '99' to select a project, but the application throws an exception: 'Error: java.util.NoSuchElementException: Project with project ID=99 does not exist. Try again.' The console output is as follows:

```
20
21 public class ProjectDao extends DaoBase {
22 private static final String CATEGORY_TABLE="category";
23 private static final String MATERIAL_TABLE="material";
24 }
25 }

Console X
ProjectsApp [Java Application] /Library/Java/JavaVirtualMachines/jdk-17.0.5.jdk/Contents/Home/bin/java (Jan 27, 2023, 7:38:13 PM) [pid: 89141]
Enter a menu selection: 3
connecting with urljdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false
Successfully obtained connection!

Projects:
1: f
3: g
4: hang a door
2: r
Enter a project ID to select a project: 1
connecting with urljdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false
Successfully obtained connection!

You are working with project:
ID=1
name=f
estimatedHours=6.00
actualHours=4.00
difficulty=4
notes=t
Materials:
ID=1, materialName=2-inch screws, numRequired=20, cost=null
Steps:
ID=1, stepText=Screw door hangers on the top and bottom of each side of the door frame
Categories:
ID=2, categoryName=open a door

These are the available selections. Press the enter key to quit:
1) add a project
2) List project
3) select a project
Enter a menu selection: 3
connecting with urljdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false
Successfully obtained connection!

Projects:
1: f
3: g
4: hang a door
2: r
Enter a project ID to select a project: 99
connecting with urljdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false
Successfully obtained connection!

Error: java.util.NoSuchElementException: Project with project ID=99 does not exist. Try again.

These are the available selections. Press the enter key to quit:
1) add a project
2) List project
3) select a project
Enter a menu selection:
```

These are the available selections. Press the enter key to quit:  
1) add a project  
2) List project  
Enter a menu selection: 2  
connecting with urljdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false  
Successfully obtained connection!

Projects:  
1: f  
3: g  
4: hang a door  
2: r

These are the available selections. Press the enter key to quit:  
1) add a project  
2) List project  
Enter a menu selection: