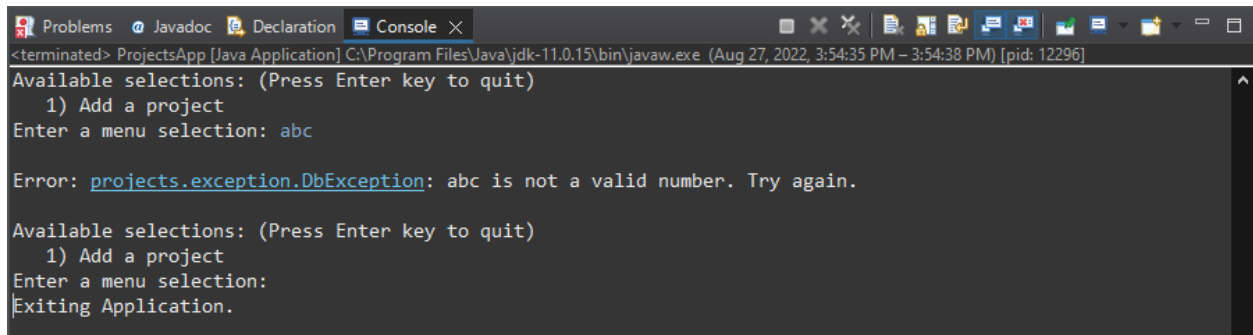


Johnny Lee

Promineo BESD

Week 9 Coding Assignment

10. a. This will test that a non-integer selection prints an error message and gracefully recovers. Run the application. Click in the Eclipse console so that input will go to the scanner. Enter "abc" (without quotes) and press `Enter`. You should get an error message and be prompted again to enter a valid selection. Now press `Enter` with no input. The application should quit. Take a screen shot to show the application output.

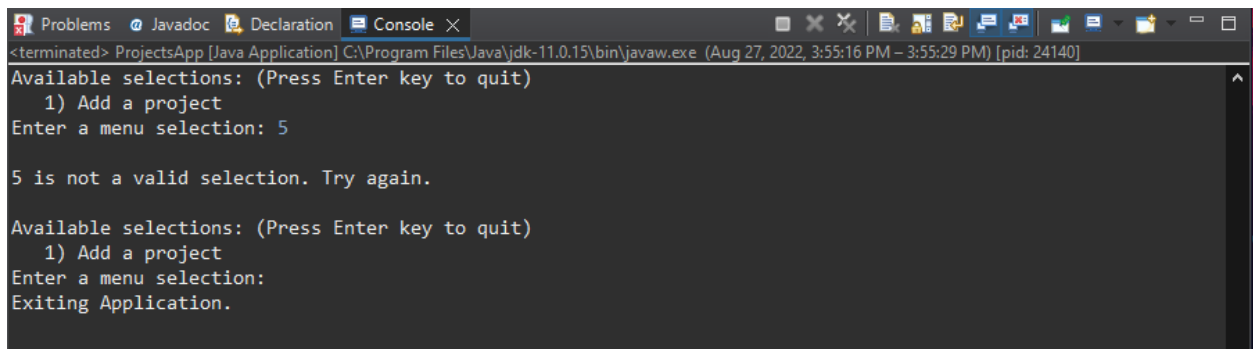


```
<terminated> ProjectsApp [Java Application] C:\Program Files\Java\jdk-11.0.15\bin\javaw.exe (Aug 27, 2022, 3:54:35 PM - 3:54:38 PM) [pid: 12296]
Available selections: (Press Enter key to quit)
  1) Add a project
Enter a menu selection: abc

Error: projects.exception.DbException: abc is not a valid number. Try again.

Available selections: (Press Enter key to quit)
  1) Add a project
Enter a menu selection:
Exiting Application.
```

10. b. This will test that entering a valid `Integer` without a corresponding `case` statement will print an error message and recover gracefully. Run the application. Click in the Eclipse console so that input will go to the scanner. Enter "5" (without quotes) and press `Enter`. You should get an error message and be prompted again to enter a valid selection. Now press `Enter` with no input. The application should quit. Take a screen shot to show the application output.



```
<terminated> ProjectsApp [Java Application] C:\Program Files\Java\jdk-11.0.15\bin\javaw.exe (Aug 27, 2022, 3:55:16 PM - 3:55:29 PM) [pid: 24140]
Available selections: (Press Enter key to quit)
  1) Add a project
Enter a menu selection: 5

5 is not a valid selection. Try again.

Available selections: (Press Enter key to quit)
  1) Add a project
Enter a menu selection:
Exiting Application.
```

Test it

After all that coding, it's a good idea to test that it actually works. You need to ensure that you can add a project row to the project table with no errors.

```
Problems Javadoc Declaration Console X
<terminated> ProjectsApp [Java Application] C:\Program Files\Java\jdk-11.0.15\bin\javaw.exe (Aug 27, 2022, 5:33:42 PM – 5:34:51 PM) [pid: 16824]
Available selections: (Press Enter key to quit)
1) Add a project
Enter a menu selection: 1
Enter the project name: Hang a door
Enter the estimated hours: 4
Enter the actual hours: 3
Enter the project difficulty (1-5): 3
Enter the project notes: Use the door hangers from Home Depot
Establishing connection with url=jdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false
Connection Established.
Project created successfully:
ID=1
name=Hang a door
estimatedHours=4.00
actualHours=3.00
difficulty=3
notes=Use the door hangers from Home Depot
Materials:
Steps:
Categories:
Available selections: (Press Enter key to quit)
1) Add a project
Enter a menu selection:
Exiting Application.
```

Link to GitHub repo:

<https://github.com/johnnylee-55/mysql-java>