

11/29: Module 28

Exceptions Cont, Lab 8 Hints, Study Guide (final quiz),
Project 5 Hints, Closing Thoughts

Survey



Review

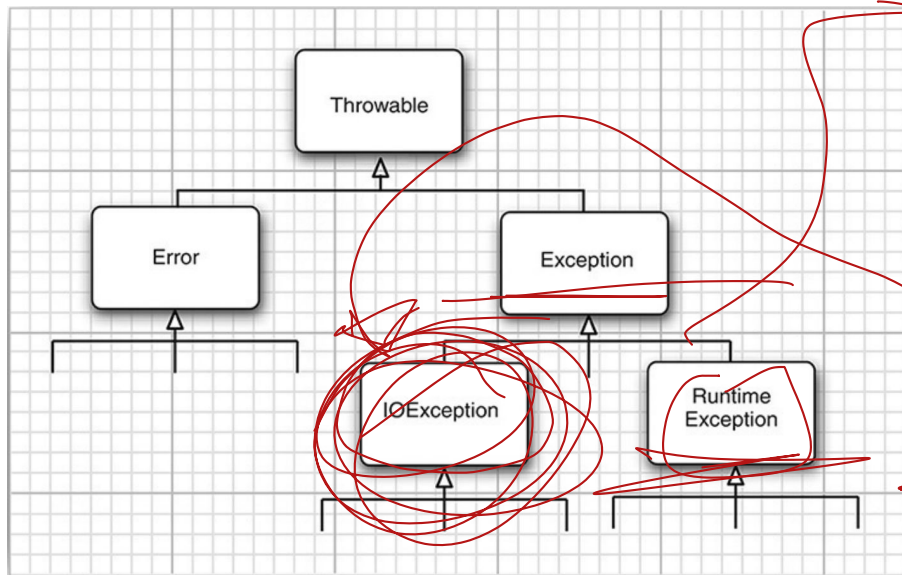


Figure 7.1 Exception hierarchy in Java

Stack Trace:

Try
Catch
Finally
Throws

`throw new ____Exception()`

report + method might cause error

report + Cause an error to propagate

up to whoever called us

Checked vs Unchecked

Making a class extend Exception (vs RuntimeException):
Checked or Unchecked?

```
public class JulieException extends Exception  
{  
    private int lineNumber;
```

```
    public JulieException(int lineNumber, String message)  
    {  
        super(message);  
        this.lineNum = lineNumber;  
    }
```

```
    public int getLineNumber()  
    {  
        return lineNumber;  
    }
```

```
}
```

Checked Exceptions Must...

Be caught or report thrown

Demo example 3 (posted on module 27 - note Exception vs RunTime

Exceptions

Group practice problems

Added Exceptions to final study guide

Lab 8 Hints

Setup:

- Just paste files into lab 7

Common Problems with positions.txt:

- Demo Test (with positions.txt in src folder)
- Make sure format is correct in file
- Print exception message

Project 5 Hints

1) click + change background
based on distance to click



2) spawn new entity — $\text{min}()$

3) ~~key~~ + van / G-net

Class Takeaways

For 357, remember:

Time management:

-

Problem decomposition:

-

Debugging / Detective work!!!

For Internships, you can remember/ highlight:

-
-

Final Quiz Study

Course Evals

Assignments

Final Quiz:

- Wed in lecture

Lab 8:

- Demo today

Project 5:

- **Checkpoint Due:** Friday in class, check off your progress / work on project
- **Presentation / Project Due Date:** Wed 12/8 (8:10 am -10:00 am)

Remainder of Class:

Work on:

- Study guide
- Project 4 / 5
- Can get lab 8 checked off before lab