LAB08 – EXCEPTIONS

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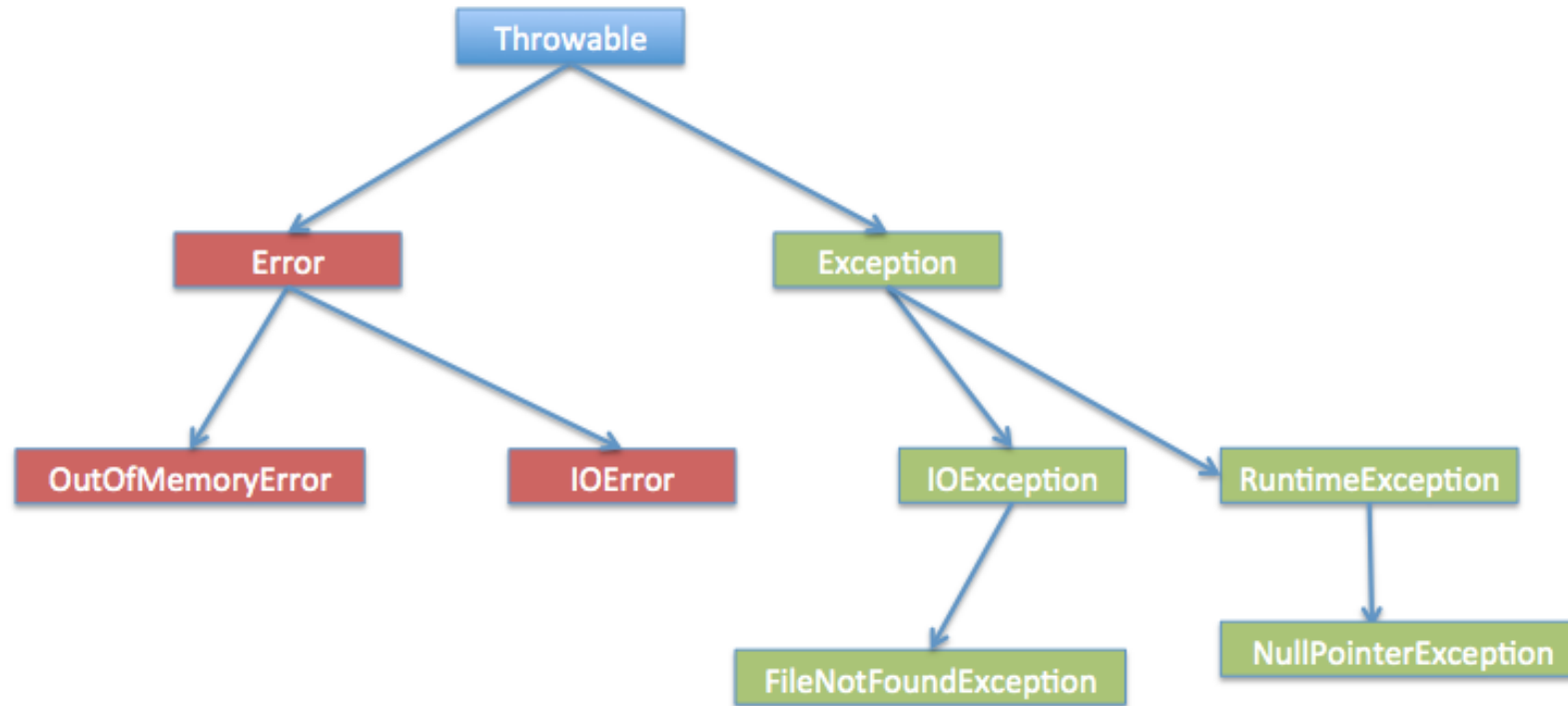
AGENDA

Exceptions

Debugging

Individual work

EXCEPTIONS

- Definition
- An exception is an event, which occurs during the execution of a program, that **disrupts** the normal flow of the program's instructions.
- Exceptions in Java
- **Try-catch** statement
- **Finally** keyword is optional (Not **final**)

try {
The exception is created
} **catch** {
Catch the exception
} **finally** {
Always comes here
}

EXCEPTIONS

- We can have as many **catch blocks** as we want

- The keywork **finally** is optional and is called whether an exception occurs or not.

- The only way for a finally block to not be called is by **exiting the program** (System.exit(status)).

- **Throwable** is the base class for exceptions.

- We can create our **own exception** by extending the Exception class.

  - E.g UserNotFoundException extends Exception

- Two types of exceptions: **Checked** and **Unchecked** Exceptions

EXCEPTIONS

ENUM

Used for constants

Must have **enum** keyword

```
public enum Category {
    ENTERTAINMENT,
    POLITICS,
    ECONOMY,
    SPORT
}
```

Elements written with capital letter

Easy to understand and track

QUESTIONS

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