Queue Interface

1. extends Collection Interface

2. hold elements in order of processing
   [FIFO]

Map Interface

1. does not extend collection Interface.
2. Support key value pair

key   value
↓   ↓
identifier   data
(unique)

put (   )

get (   )

Sorted Map

1. extends Map Interface.
2. Maintains key in Sorted order.

.

Hash Map

* implements Map Interfac.
* Supports key-value pair.

Tree Map

* Store keys in Sorted Order.
* implements Navigable Map, Sorted Map interface

floor
Ceil

Exception Handling.
(throws Exception)

2 thing.

   1. A friendly Message to the user.

   2. Developer

1 friendly Message to the user

(Frontend)

a) friendly Message
   +
   Notification → Support team

b) Additional thg
   friendly Messug
   +
   { Give contact of Support Team
     e-mail }
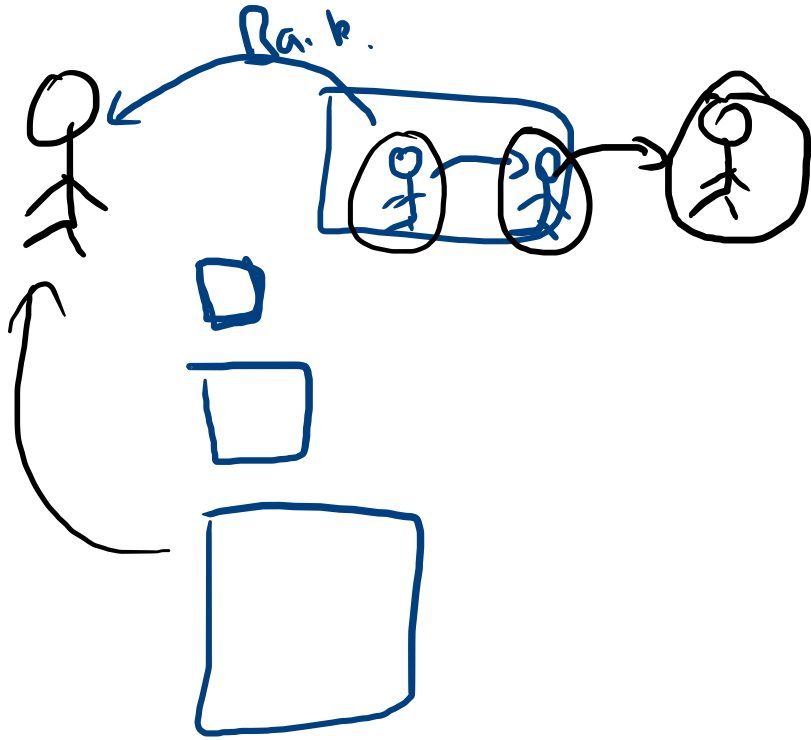
(Developer) Support team.

2. Backend.

Exception —

Stack trace

ERROR: find Pcode : 1.2 — — —

25-8-2022 / 9:00

Log file

Kibana, data dog   Service

Chain of Responsibility pattern.

Bank.

fically not get executed.

1. Exception happen before try/catch

2. finally
$$\equiv$$
$\longrightarrow$ exception.
$$\{\equiv\}$$

3. JVM crashes (System.exit())

Throwable

Error   Exception   Checked

except

→ Runtime Exception

Arithmetic   Null   Index of
                    Out of bo.

main

func1

func2

try{ func3'()

catch{ }

func3 . **Throws Exception** .

func4 ;

try{ throw ..

(cate{Catch e)

}

Custom Exception

1. Checked Exception (Inheritance)

2. Unchecked Exception (Inheritance)

1. Never Hide exception. At least log them. (entire trace)
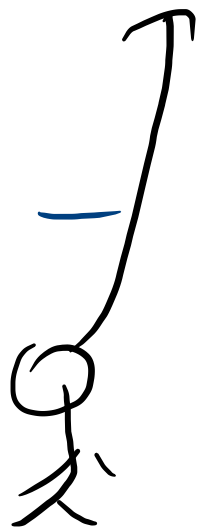
2. Think about the user. What does user want to see.

3. Think about the developer. What does developer need to debug

4. checked/unchecked. Spring framework. Jdbc exception → unchecked exception.

2Pm — 4Pm

Checked →
(past)

Unchecked —
(learn)

Pass the Responsibility

Responsibilit

I will do

Unchecked Exception
        Runtime Exception.

Error	Exception
Situation when there is nothing a Programmer Can do about an error.	Exception is used when a Programmer Can handle the Exception.

Ex: Stack overflow Error,
Out of Memory Error