Further Advice

Learn <u>modern</u> Java

- In use for 20+ years

- Used to be verbose and difficult

How do I do {X} in Java?

```java
try {

    String strCurrentLine;

    objReader = new BufferedReader(new FileReader(path));

    while ((strCurrentLine = objReader.readLine()) != null) {
    fileContent.append(strCurrentLine); }

    } catch (IOException e) {

            // handle

    } finally {

            if (objReader != null) {

                try { objReader.close(); }

                catch (IOException e) { e.printStackTrace();

            }        }    }
```

```java
try {

    return Files.readString(Path.of(pathToFile));

} catch (IOException e) {

    // handle

}
```

```java
List<String> list = new ArrayList<String>();

list.add("A");

list.add("B");

list.add("C");
```

```java
List<String> list = List.of("A","B","C");
```

```
list.stream()

    .filter(...)

    .collect(Collectors.toList());
```

```
list.stream()

    .filter(...)

    .toList();
```

Code quality is not something that you achieve once and then forget about it

Maintaining Clean Code

Use static analysis tools

Apply the boy scout rule
   – Leave the code better than you found it

Practice Code Review

Code Reviews are an amplifier

They amplify the good and the bad

Code Review

Come to the dark side!

Further Study Summary

Design Patterns in Java

Refactoring to SOLID Java 17 code

Code smells
    – Java Refactoring: Best Practices

Making Your Java Code More Object-oriented

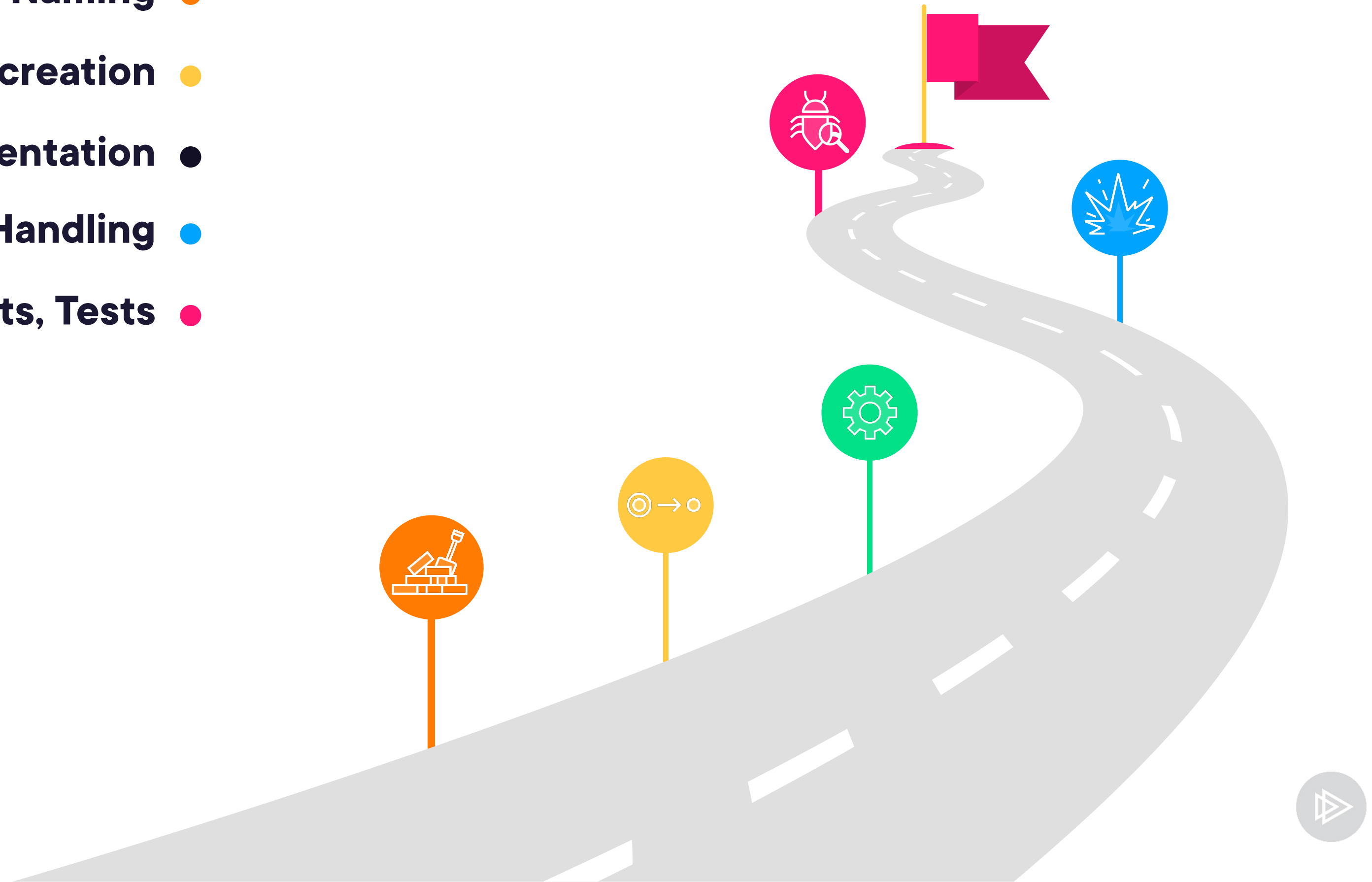**Fundamentals of Test Automation in Java**

Naming ●

Object creation ●

Method Implementation ●
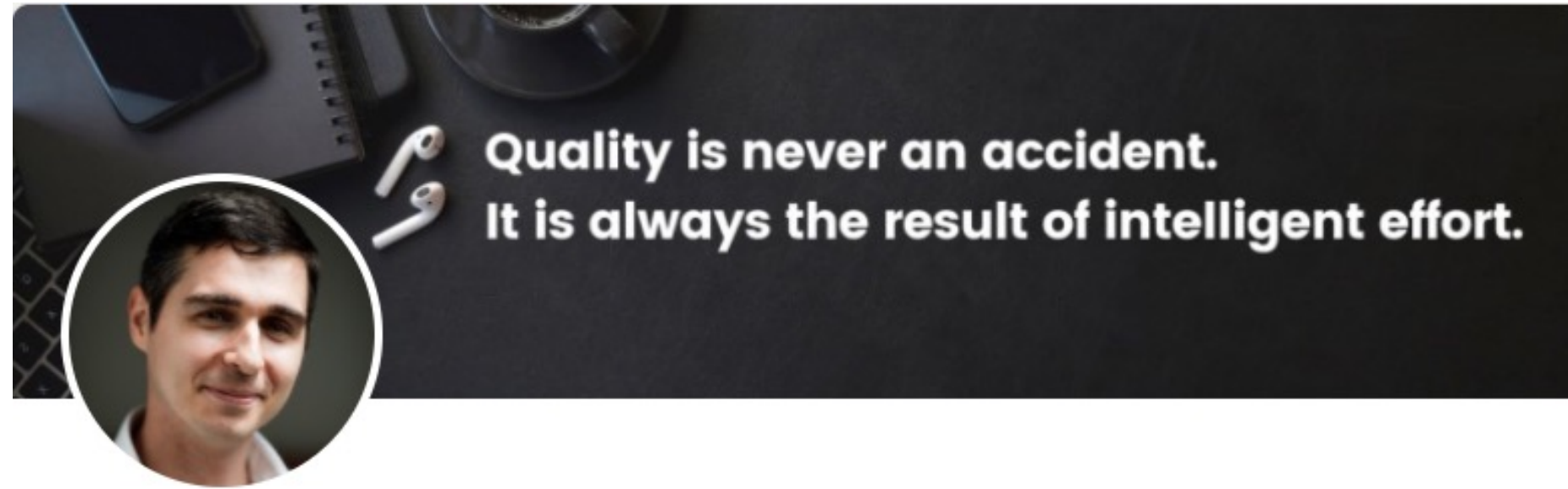
Exception Handling ●

Comments, Tests ●

Goal Achieved

Be on the lookout for modern ways to code in Java

Rating

Quality is never an accident.
It is always the result of intelligent effort.

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Thank you!

(Happy Coding)