Vocabulary Chapter 12

**Exception:** an unexpected or error condition

Exception Handling: an object-oriented technique for managing or resolving errors

Runtime Exceptions: unplanned exceptions that occur during program execution

* members of the RuntimeException class

Crash: a premature, unexpected & inelegant end to a program

Stack Trace History List / Stack Trace: displays all the methods that were called during program execution

Mission Critical: describes any crucial process in an organization

Fault-Tolerant: applications that are designed so that they continue to operate, possibly at a reduced level when some part of the system fails

Robustness: represents the degree to which a system is resilient to stress, maintaining correct functioning

**Try** Block: a block of code that might throw an exception that can be handled by a subsequent catch block

**Catch** Block: a segment of code that can handle an exception that might be thrown by the try block that precedes it

**Throw** Statement: sends an exception out of a block or method so it can be handled elsewhere

**Finally** Block: a block of code that holds statements that must execute at the end of a try.. catch sequence, whether an exception was thrown or not

**Throws Clause:** an exception specification in a method header

* Exception Specification: the practice of using a throws clause in a method header; this practice is required if a method throws

Unchecked Exceptions: those from which an executing program cannot reasonably be expected to recover

Checked Exception: those that a programmer should plan for and from which a program should be able to recover from

Catch or Specify Requirement: the Java rule that checked exceptions require catching or declaration

Syntactic Sugar: a term to describe aspects of a computer language that make it “sweeter”, or easier for programmers to use

Syntactic Salt: describes a language feature designed to make it harder to write bad code

Call Stack: where the computer stores the list of memory locations to which the system must return when methods end

**Assertion:** a Java language feature that can help to detect logic errors and debug a program

Virtual Keyboard: a computer keyboard that appears on the screen. A user operates is using a mouse to point to and click keys; if the computer has a touch screen, the user touches keys with a finger or stylus