

## Types Explanation

<b>Taxonomy Type</b>	<b>Macro Category</b>	<b>Description</b>
<b>Textual</b>	Evolvability Defect	Textual Defects occur when there are problems related to information obtainable while reading the code. Most common example are mistakes in variable names or documentation updates.
<b>Supported by Language</b>	Evolvability Defect	Supported by Language defects are related to programming language features used to convey information, e.g., the use of final or static in Java. This kind of defect does not produce error in run-time execution.
<b>Visual Representation</b>	Evolvability Defect	Visual Representation Defects occur when the code does not respect the common code formatting. This type of defect does not compromise the code compilation and execution.
<b>Organization</b>	Evolvability Defect	Organization Defects occur when the structure of the code has been changed. Typically, these changes remove unused part of code or move a functionality in a different module or class.
<b>Solution Approach</b>	Evolvability Defect	Solution Approach involves changing the way in which a solution is implemented. For instance, implementing a standardised way of working, without changing the output. An common occurrence is to remove magic numbers in favour of predefined constants.
<b>Resource</b>	Functional Defect	Resource Defects are related to data handling. They typically occur when wrong data management is performed, like forbidden initialisation.
<b>Check</b>	Functional Defect	Check Defects typically occur when the run-time execution is affected by a not handled state. Unchecked variables or functions are a common example.
<b>Interface</b>	Functional Defect	Interface Defects occur when there are problems in communication with the external modules. A wrong API function call is the clearest example.
<b>Logic</b>	Functional Defect	Logic Defects impact the logic of the program. For instance, they might occur as a bug in the flow of execution or as incorrect results produced by an algorithm.
<b>Support</b>	Functional Defect	Support Defects usually occur when there are problems in the development system. Configuration files, wrong data or environment inconsistency are best candidate sources for this kind of defect.
<b>Larger Defects</b>	Functional Defect	Larger Defects occur when complete parts of code are missing, code outside the code under review needs to be checked or there is a bug in the User Interface.