***ILP Testing Approaches***

# **Approach 1**

One testing approach that could be used when it comes to the requirements selection from section 1.1 is that used in agile processes: ***integrating the testing process in the development stage***. This type of approach is known as ***proactive*** since we start the testing process at an early stage. As part of this approach, we could use techniques such as ***black-box testing***, where test cases are generated straight from the requirements themselves, rather than relying on actual information about the code itself, as well as ***grey-box testing***, where only some information about the implementation details is available.

# **Approach 2**

Another approach that could be used is that of ***performing testing analysis once the system is fully implemented***. This type of approach is known as ***reactive*** since we start the testing process at a very late stage. This approach uses techniques such as ***white-box testing***, where test cases are generated after being fully aware of the implementation details.

# **Approach 3**

Lastly, one more testing approach that could be used is a ***combination of the two approaches described***. This approach essentially has the benefits of starting the testing process early, whilst also allowing time at the end to refine/ design test cases based on implementation details. In this approach, we mainly rely on ***grey-box testing***, where only some information about the implementation details is available.

# **Approach 4**

# **Approach 5**