Master Universitario in : "ANALISI DATI PRE LA BUSINESS INTELLIGENCE"

A.A. 2015—2016

Titolo della tesi: Static analysis of codebase

Autore: Kirill Myshkin

Abstract

This paper is investigating what insights we could get applying static code analysis to a particular software product. First by transforming the given codebase to an abstract syntax tree we distinguish language feature used in every part of a codebase. Then we can use the syntax tree to investigate how features of the product are build and structured, evaluate potential performance issues and conformity to the chosen design principles. On this basis we could move to analysing each implementation of the software product to determine further development directions.