Introduction  
The purpose of this project’s end product is to envelope software codes with security based on the intent of providing utmost convenience in doing so, user wise. Basically users are only required to upload their codes and intuitively, by following the interface, they are able to satisfy their needs for the security in their codes through obfuscation without getting mind boggled by the technical jargons of obfuscation.  
Obfuscation is a big word and being the nature of incomprehensibility, users may not be fully aware of what they actually want for their codes. For example, a student does not wish to have anyone plagiarizing his assignment program codes thus he wants to obfuscate his codes as a result. But obfuscation has several levels and the highest level might invoke expensive execution cost of the program which is unnecessary for his assignment. Yet, the student may not know what levels there are for obfuscation therefore he might just select an obfuscation level that are deemed overwhelming for his needs. Based on this scenario, the importance of providing adequate obfuscation for the users’ source codes without getting surplus in terms of execution costs, became the inspiration behind this project.   
  
Background.  
Supposed a software vendor wants to sell his product without his software codes being easily comprehended by his competitors and at the same time deter piracy as both adversaries may do so through reverse engineering of his self-explanatory codes. Yet, the software vendor still has to provide the intended functionality of the product as well. To achieve this, obfuscation became the apparent solution for this issue.   
Obfuscation aims to render software codes incomprehensible though the use of several techniques such as layout transformation, control flow transformation… etc. Though obfuscation provide deterrence against reverse engineering, the cons of applying it to software codes may mean surplus execution cost of the program. In other words, obfuscated programs may expect to run slower than its non-obfuscated form. Thus the aims of obfuscation, has always been providing weight to secure the software codes yet not slowing it down in terms of functionality.