

# RESEARCH OF JAVA CODE GENERATION AND DEVELOPMENT OF JAVA CODE GENERATOR

Prepared by: Wooi Wei Ken

## ABSTRACT

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This Double Module Project is an in-depth study and research on the JAVA programming language code generation. It explores the programming structure and looks into common syntax errors.

JAVA is a complex language and therefore, this project further develops a JAVA code generator which eases the application of JAVA coding. By providing the requirements needed such as the variables, functions needed and the type of class, the generator will be able to produce and display the code instantly. Users, especially JAVA programmers will have an easier and faster time when dealing with code writing.

JAVA programmers will benefit from this system. Both advanced and beginner programmers can utilize this system to ease the complicity of writing coding manually and reduce the rate of errors. For advanced programmers, it saves time and cost when writing the coding whereas for the beginner programmers, it can be used as a learning tool.