**Assignment 1: KWIC-KWAC-KWOC**

Code Repository URL: <https://github.com/KWIC-KWAC-KWOC/CS3219Program>

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| Name: | Gangadevi D/O Balakrishnan | Aw Wei Lin |
| Matriculation Number: |  |  |

1. **Introduction**

This document serves as a report on the architectural designs followed in the implementation of a KWIC (Key Word In Context) index system. Our group chose to implement the program using two designs namely *Abstract Data* and *Pipes and Filter*. After the program initialization, the user is prompted to choose the design in which he or she would like to run the program. The selection of an option will initiate the program in the chosen architectural design. Information on the design, limitation and benefits of the selected designs will be discussed in the upcoming sections.

1. **Design**
   1. **Abstract Data Type**
   2. **Pipes and Filter Type**
2. **Limitation & Benefits of Selected Design**
   1. **Abstract Data Type**
   2. **Pipes and Filter Type**