Technology Research Document

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Semester: 6

Class: RB04

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# Introduction

This document contains all the research I’ve done on the technology and methods I use, along with the reasons for my choices. This way, I can showcase to the teachers that I have explored the options and justified my decisions.

# Technology for backend

This semester, I have the opportunity to explore a new programming language. A friend recommended that I try Golang, so I did some research. Initially, I was planning to use Java because of its vast library options, built-in security features, high scalability, and strong support for microservices.

However, Golang (Go), which was designed by Google, also offers several appealing features. It has a simple and easy-to-read design, fast compilation, strong support for microservices, and is excellent for cloud-native development. Additionally, it can easily scale horizontally and is highly favored for DevOps and infrastructure tasks. The only problem is that I need to learn how to code in Golang.

The obvious choice is Golang because it adheres to all the learning outcome of this semester.