

MIE-DVI Semestral Work Specification

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Function

In this semestral work, I will build a variable sharing system among 5-10 nodes. The access mechanism will be realized via mutual exclusion. The variable will be stored in a specific server(**I hope it will not violent any requirements**, or maybe I will make use of some leader election technique to choose server in nodes). It will have at least these functions: read/write variable/memory, login, logout, crash.

Problem Class

Obviously **mutual exclusion**. **leader election** is optional

Algorithm

For mutual exclusion, I will use **Ricart-Agrawala Algorithm**.

Framework

I will use **python socket** to communicate among nodes.