Description of the Project

We want to create a database server.

* Create a dockerfile/dockercompose
* Basic hello world like hardcoded database
* Handle Logging & Tests
* Be able to parse the user input
* Handle user input
* Improve the database
* Replace the hardcoded database by a dynamic one
* Store / Load the data from a file
* What choose technologies and why !
* SQL Parser
* Basics functions

Create table

Drop table

Select table

Update table

* Create a little test client
* Further improve the database
* Check if the parser works well

FALCULTATIVE

* Add the others functionnalities of SQL language
* Join table
* Improve select statement with join
* Try to implement Event
* Try to implement Encryption of the database
* Export Database to a secure file

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| --- | --- | --- |
| Tasks | Who ? | State |
| MANDATORY | | |
| Create dockerfile/compose | Tim | 1 |
| Hardcoded database | Tim | 0.5 |
| Handle logging & tests | Julien | 0 |
| Improve the database | Together | 0 |
| SQL Parser | Together split functions | 0 |
| Create client test | ? | 0 |
| Improve of database | ? | 0 |
| OPTIONNAL | | |
| Other Functions of SQL | ? | 0 |
| Implement Event | ? | 0 |
| Implement Encyption | ? | 0 |