

# CSCFA bartelby project.

Technology choices.

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# 1. Language technology :

The first goal of bartelby project is to grant a fast access to data storage system. For this, we choose C++ language.

Why C++ ?

First, C++ is compiled, also, his rapidity is granted. We've the choice of other languages, like PHP, Java or Python, but they are compiled at execution.

Second, it's close to the operating system and grant great threading management, that will be used to manage parallel requests.

Third, it's an object oriented language, and we love it.

# 2. Database system choice :

In a first time, we've choose to use more of one database system, understand relationnal database system and no sql database system.

Why ?

Simply to grant faster access to the database than one database system to manage all request. Also to separate classical relationnal data and files. << two rings to rule them all, two rings to find them, two rings to bring them all and in the darkness bind them>>.

# 3. Database technology choice :

In first time, the Database softwares that will be used are PostgreSQL and MongoDB.

Why PostgreSQL ?

First, PostgreSQL is one of the most used relationnal sql database.

Second, PostgreSQL will implement noSQL practices, so it will certainly one of the most used Bartelby database system.

Why MongoDB ?

MongoDB is the choice of compatibility because it's write in C++, but the future can tell us wrong.

For the future ?

We hope to implement all of the most used databases.

# 4. Libraries :

TODO