NanoSpark:Framework Web auto-created

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1   Introduction

In this article we will talk about how it was possible to implement a framework that is capable of simulating a framework like Spark and why this can be useful to implement a basic web application with AJAX functionalities.

2   Metodology

Basically for the framework that was implemented Two main components were used, which are the http server and the request manager, which together allow the program itself to recognize different requests from a client and to respond to them either with files or predefined functions.
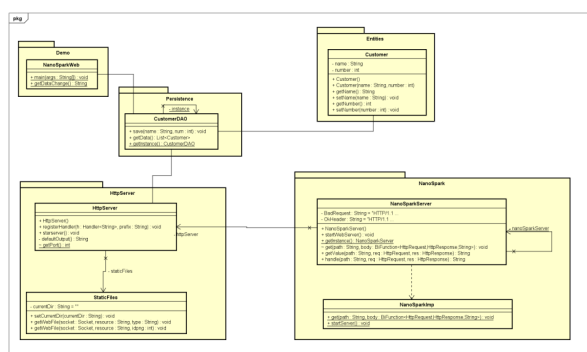

Figure 1: Class model

The Http server component works as a reader of headers and other attributes brought from the web compiler itself, with which it is possible to get to know what the client is requesting in addition to allowing the application itself to identify if it is simply from the view of a resource or static file, or if you are requesting the result of a lambda function that requires certain parameters for its functionality.

As for the request handler, its function is quite simple, read the request and send it to the Http server, so that it takes care of the result. However, what really makes the application simulate the functionality of Spark is its storage of predetermined results by internal functions of the application that will be sent to the client if it requests a lambda function, in other words the ability to handle the lambda functions and Allowing a control and storage of the data found in the requests and responses, is what really makes this a basic web framework for development.

3   Conclusion

The construction of a framework consists of creating from scratch a whole logic that focuses on handling the functions of connection and web writing, and also organize the input data so that the developer is greatly facilitated his task, however to supply any setback or extra need, as far as my opinion is concerned, the best thing would be to use specialized frameworks depending on the need (one for data management, another for handling web requests, another for security ...) because frameworks are very Robust ones require more study time and sometimes sacrifice the scalability of the application.

4   References

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