

# AREP 3th Laboratory

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## 1 Introduction

This laboratory intended us to create a java http server that is able to receive get petitions of hmtls, png, jpg or other types of files, and return the client the requested file, if it exists and is a supported media type.

## 2 Structure

### 2.1 Java http server

The java http server opens a server port and waits for a client to ask something to that port. When it receives a petition, the server reviews the petition. If it is a get petition, the server proceeds to see if the requested file is from a supported media file. If it is, it then tries to search for it, if it finds it, the server will give the client that file. If the file does not exists, the server will return the "notFound.html". If the requested file is from a non supported media type, it will return the "notSupportedMedia.html" file. Finally if it isn not a get petition, the server will ignore it.

## 3 Conclusions

This lab was implemented in an 80 % of its completion. The exercises and the first challenge were mostly completed. This laboratory helped us to better understand how frameworks such as spring or spark work. It also teach us how to make information exchange between a client and a server and how to send various kinds of data through sockets.

## 4 Bibliography

[http://campusvirtual.escuelaing.edu.co/moodle/pluginfile.php/128612/mod\\_resource/content/0/ClientesServidor.pdf](http://campusvirtual.escuelaing.edu.co/moodle/pluginfile.php/128612/mod_resource/content/0/ClientesServidor.pdf)  
<http://campusvirtual.escuelaing.edu.co/moodle/mod/page/view.php?id=75151>