# Web server readme (for GitHub):

A small Java application to access your PCs file system from any end terminal using a simple browse, similar to the airdroid application but as a PC version, not android.

To understand more about server communication and HTTP traffic, as well as HTML, JavaScript and CSS, this project has been developed from scratch; Frontend as well as backend.

Communication is done via Ajax, so after the initial UI is sent as a webpage, every new content will be directly inquired to the server and the UI updated accordingly on the fly.

## Usage:

1. Clone repository or download the precompiled jar file.
2. Make sure that you have the “KWS” folder at the same directory of your jar file or src folder.
3. Run the jar file or compile the src code
4. In the GUI choose a port or leave it at 80 (default)
5. Afterwards in your browser type the corresponding local IP or even IP4/6 with the port that was set. E.g. "192.168.1.112:8080" when server is running on port is 8080
6. Various settings like default port and KWS folder location can be adjusted in the settings.properties file.

## Features:

You are able to browse the complete file directory of your PC and all hard drives as long as you have the necessary permissions.

You can move, copy, cut, paste files inside the browser window and the effects commands will be immediately translated and executed by the java server to the hosts file system. Delete is also possible, but will instantaneously delete the file, NOT moving it into the trash bin.

Uploads as well as downloads of files is possible. Download of whole folders as zip files is also possible.

Usage of standard keys and combinations like DEL, CTRL+C, CTRL+V, CTRL+X.

## ToDo:

Enable sorting by various properties like size, file type…

Add a select all button (especially for mobile users

With this program it is basically possible to perform sth. like an airdroid webserver and communication between the server and the client is only via a regular browser.

To adress the web server let it run by executing the program and hit launch. Afterwards in your browser type the corresponding local IP or even IP4/6 with the port that was set, by default 8080.

An example would be to type "192.168.1.112:8080" to adress the webserver on the PC with the IP 192.168.1.112 and runs on port 8080.

Various settings like port and KWS folder can be adjusted in the settings file.

This program is desinged to work with the html,css,javascript parts designed in the KWS folder.

The script which is transferred and present in the KWS folder is designed in the "workspace JS - KWS" folder.

DELETING ITEMS

When deleting stuff via the browser, the files will not really be deleted, but put on the roots in the folder deleted with their original paths.

This is due to the fact, that it is not possible to move stuff to the trash bin, but only instantly delete it from the disk which I want to avoid to risk accidential deletion (especially maybe due to 3rd Party fiddeling on your machine).

E.g. you delete something on "C:/myFiles/pictures/Butterfly.png", then you will find the item at "C:/TRASH/C:/myFiles/pictures/Butterfly.png".