

Web Server

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HTTP Features

1. Persistence
2. Pipelining
3. Keep Alive Timeout
4. Multi-threading

HTTP Methods

1. GET
2. HEAD

Usage

1. Web Server is implemented in two java files
2. Compile these java files and run the java file with main function.
 - a. `javac webserver/*.java`
 - b. `java webserver.WebServer`
3. Now the web server is up and running and files can be accessed by http://a.b.c.d:port_number/~user (user directory should have public_html folder)
 - a. <http://10.9.165.9:8012/~venkatesh/index.html>

Implementation

1. In the web server implementation there is a main class which listens on particular port and accepts clients connections.
2. Once the connection is accepted I am running a new thread to inorder to server request to that client.
3. Now in this class I implemented methods GET and HEAD based on type of method requested by client.
4. I have implemented persistence by not closing the socket after serving the request, and pipelining is done by listening continuously on the dedicated socket.
5. In the above process I have implemented time outs when the client is ideal for 10 sec time without asking anything.