Lab 1: Web Server

In this assignment, you will develop a simple Web server that is capable of processing only one request. Specifically, your Web server has to,

1) Create a connection socket when contacted by a client (browser)
2) Receive the HTTP request from this connection
3) Parse the request to determine the specific file being requested
4) Get the requested file from the server's file system
5) Create an HTTP response message consisting of the requested file preceded by header lines
6) Send the response over the TCP connection to the requesting browser. If a browser requests a file that is not present in your server, your server should return a "404 Not Found" error message.

Note: You are free to write the web server in the programming language of your choice.