

Topic: Web client and server

Design

Write basic web Client and Server using BSD sockets.

The server should wait for a TCP connection, read and parse the **HTTP GET** request, return the requested file, and close the connection. The code should follow the standard HTTP/1.0 or HTTP/1.1. In addition to reading and parsing a request, the server must send both a **header and data** in response.

The requested file can be present anywhere in the system and the response file should be placed at the client location.

Also, the server should have error handling so that error messages must be sent in a form that a browser can understand. The client should be able to request a specific file. The client can request one of two different file sizes: **800 and 1600** bytes.

Record and display the **time required** to fetch the file each time.

Test

Test your web server with your client as well as with a standard web browser.

Also, you should be able to test your client with a standard web server.