

CRC cond for an ordinary browser-server interactions:

Browser

send http request to server to retrieve HTML page. server.

Server

receive and process HTTP request from browser, retrieve
html page from file system, and send html page back
to browser. file system
database
browser

HTML Page

display content, handle user interaction and events, and
make further requests to server as necessary browser
server

Request

package and send data to server browser
server

Response

unpack and process data sent from server server
browser

CRC cond for server.py in directory or-cgi

Request handler

handle the incoming GET request, figure out what
is being requested, and determine how to handle it

do-GET()

determine what is being requested and how to handle it

handle-file(self, full-path)

open and read the requested file, and send the content
to the client

list-dir(self, full-path)

list the contents of a directory and send the list to
the client

run-cgi(self, full-path)

run a CGI script and send the output to the client

handle-error(self, msg)

handle errors by creating and sending an error page
to the client

send-content(self, content, status = 200)

send content to the client, including setting the response
status and headers

case-no-file

case-cgi-file

case-existing-file

case-directory-index-file

case-directory-no-index-file.

case-always-fail

case-no-file

case-cgi-file

case-existing-file

case-directory-index-file

case-directory-no-index-file

case-always-fail

handle-error()

send-content()

handle-error()

send-content()

handle-error()

send-content()

handle-file()

list-dir()

handle-file()

list-dir()

handle-error()