flask

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Code Repository	https://github.com/pallets/flask
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Magic ⋆★⁺₊˚⋆˚☽˚⁀➷｡˚★彡⁺⋆༄

(Note: links to github file lines may be slightly off from line numbers in my IDE if github was updated recently)
(Note: interestingly it seems that flask uses same library used in homeworks to establish tcp connection)
When the login page loads the TCP connection will be established:

- One stack frame up from our team's app.py the line 1796 of the library flask's app.py https://github.com/pallets/flask/blob/cc66213e579d6b35d9951c21b685d0078f373c44/src/flask/app.py#L1799 handles the different routes and serving up the html of the login page after TCP connection is first made by matching URL

- Two stack frames up line 1820 of flask's app.py https://github.com/pallets/flask/blob/cc66213e579d6b35d9951c21b685d0078f373c44/src/flask/app.py#L1823 dispatches the request and performs pre and post processing error handling. Makes a call to dispatch_request

- Three stack frames up line 2525 of file app.py of library flask https://github.com/pallets/flask/blob/cc66213e579d6b35d9951c21b685d0078f373c44/src/flask/app.py#L2528 from the function that runs the flask application as a WSGI application the function full_dispatch_request is called

- Four stack frames up line 2548 of file app.py from library flask https://github.com/pallets/flask/blob/cc66213e579d6b35d9951c21b685d0078f373c44/src/flask/app.py#L2551 the call to function __call__ now calls function wsgi_app

- Five stack frames up line 322 of file serving.py from library werkzeug https://github.com/pallets/werkzeug/blob/3115aa6a6276939f5fd6efa46282e0256ff21f1a/src/werkzeug/serving.py#L320 in app.py from the flask library the WSGI server calls flask application object as WSGI application to run __call__ to send a start response to the client

- Six stack frames up line 335 of file serving.py from library werkzeug https://github.com/pallets/werkzeug/blob/3115aa6a6276939f5fd6efa46282e0256ff21f1a/src/werkzeug/serving.py#L333 from inside the function run_wsgi which is gets passed the class instance execute is called on the flask application

- Seven stack frames up line 414 of file server.py https://github.com/python/cpython/blob/1455c516fce829f8d46e4f15557afe8653e7e995/Lib/http/server.py#L419 the bound method for WSGIRequestHandler is called

- Eight stack frames up line 426 of file server.py https://github.com/python/cpython/blob/1455c516fce829f8d46e4f15557afe8653e7e995/Lib/http/server.py#L431 the handle function calls class function handle_one_request()

- Nine stack frames up line 363 of file serving.py https://github.com/pallets/werkzeug/blob/3115aa6a6276939f5fd6efa46282e0256ff21f1a/src/werkzeug/serving.py#L361 uses super() function to access methods of parent class BaseHTTPRequestHandler which WSGIRequestHandler inherits from

- Ten stack frames up on line 720 of file socketserver.py https://github.com/python/cpython/blob/1455c516fce829f8d46e4f15557afe8653e7e995/Lib/socketserver.py#L755 the handle method is called which will handle the client request appropriately (handle method is defined in the werkzeug library)

- Eleven stack frames up the line 360 of socketserver.py https://github.com/python/cpython/blob/57be5459593bbd09583317ebdafc4d58ae51dbf4/Lib/socketserver.py#L361 the TCP request is finally established by instantiating the RequestHandlerClass