

# CS410P Proposal

Greg Hairfield

April 27, 2021

I plan on creating a HTTP/1.0 server for this project. The current HTTP/1.0 **specification** is well documented and available to anyone. Ideally the server will validate a HTTP request and formulate a valid response. The response will only serve static resources (e.g. HTML page, text document). I plan on using two Rust crates: **Clap** to help with command line parsing and **TOML** to parse configuration files.

Features of HTTP/1.0 I plan on implementing:

Feature	Feature
HTTP Version	Uniform Resource Identifiers
Date/Time Formats	Media Types
HTTP Message	Request
Response	Method Definitions
Status Codes	Header Fields

As above noted, I do *not* plan on implementing additional features such as HTTPS, streaming, proxy, gateway, tunnel or caching for this project.

Project information:

Name: Greg Hairfield

Email: hairfiel@pdx.edu

Project Name: Tiny HTTP

Git URL: <https://github.com/ghairfield/TinyHTTP>