MEMO

To: CS4500 Staff
From: Andrew Nedea & Jason Kemly
Subject: Experience gathered in TAHBPL
Date: September 24th, 2020

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The TAHBPL assignments we were tasked with facilitated an extensive understanding of various Python libraries, as well as of the peculiarities and challenges involved in processing, relaying and rendering input in a medium that may otherwise be limiting or otherwise ill-equipped for such tasks.

In assignment B, we sought to establish an effective working rapport by way of a simple program that generalized the behavior of the UNIX program *yes*. In assignment C, we leveraged the collaborative scaffolding laid earlier to contend with the ambiguities brought forth by JSON and pick out the best parsing method available to make out JSON values in sequences. In assignment D, we performed an investigation into graphical libraries and selected one that was both supported by the testing machine and appropriate to the job. In the last investigational assignment E, we explored several TCP libraries that would abstract away low-level, extraneous details, only to ultimately settle on a simple setup that utilized plain sockets. We found that higher-level construct available in the language made it too cumbersome to achieve the desired behavior and presented unnecessary tooling for the job. Throughout this process we acquired both an intimate understanding of the tools available for the tasks performed and an appreciation for the nature of the test and operation medium, which splendidly mimicked the less-than-ideal, real-life circumstances of a software-development job.