

SIFT or Submittity Instant Feedback and Testing is a standalone app that enables students to autograde their Submittity coding homework assignments without having to rely on Submittity. Oftentimes, working with the Submittity autograder to test and find problems in code can be cumbersome, requiring the user to upload all their files, wait for the servers to process and run them, and then getting your output, all while using up a precious submission. SIFT aims to fix this by giving students the tools to get their homeworks graded on their own computers. Users begin by selecting the language they are using, upload their own source code files, and the expected output files. SIFT then runs the source code and shows the user the comparison between their output and the expected output that was provided in a similar way to Submittity. The goal of SIFT is to streamline the process of creating and testing code so that students spend less time waiting for Submittity, wasting submissions, and can instead get quick results and keep on working.