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Project Abstract

1 The Problems

Grading assignments is a time intensive task for TAs or instructors. In addition, students may not receive feedback until after they can no longer make use of it to improve their work. Other foreseeable issues include security risks of running arbitrary code on a valuable machine, and a potentially prohibitive lack of user-friendliness for teachers or students.

2 The Solution

Create an automated grading system that gives students immediate feedback, while mitigating the risks of running unknown code. Our solution should also be easy to use as an administrator creating a test suite, and as a student using the test suite, through both a graphical and command line interface (GUI and CLI).