**Autograder**

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# General

This project will be developed to assist in the generation of grades for lab assignments in the intro to programming course with Python. This program allows a professor to pass in zip files, directories, and individual files and determines a grade for the submission. This program allows professors to customize grading criteria through a graphical user interface.

# Installation

# Tutorial

# Modules

## File Structure

Graphical User Interface (GUI)

The GUI is what the professor will interact with. It displays options customizing what goes into calculating a student grade. It takes in a professor’s input for script locations and sends each script through Autograder.

### Autograder

Autograder is the aggregate function that calls the functions required for grading. It is the parent of dynamic analysis, output matcher, and comment summary. (TODO)

### Dynamic Analysis + Tester

Dynamic analysis allows for individual function testing. (TODO)

Output Matcher

Output matcher allows for output regex checking. (TODO)

### Comment Summary

Comment summary creates a summary for all docstring and inline comments in a script.

# Team Members

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