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Code Button

The code button allows users to upload code files into the system, teachers are allowed to upload entire directories while students and interviews upload a single "Driver file", because we essentially use it's directory as the active one all other necessary files also come along.

The code button allows for some versatility with it not really caring if the uploaded files are coming as .java, .class or as .py files. This can open up a new realm of possibilities when it comes to teaching. No longer does a class have to be restricted to one type of programming language.

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Submit Button

The submit button is the final step in this process. It takes the information presented in the other buttons and uses that to do 2 things.

1) Compile the code, in this step the code and input files, the input file is spliced to generate an array of inputs and then is compiled using stdin, a c++ library that exists on all windows, mac and most linux operating systems.

2) Compare the code, in this step the outputs are taken from the first step. Code form the input is checked against ins matched number output. The comparison is done on a character to character basis.

On when clicked step 1 will run and step 2 will be followed if an outpt is given. If there is no output it will just run the code and return that as output.