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The project I am working on is a software application that will look at source code and make sure it is styled correctly. The reason for this program is to make sure programmers maintain a similar style of coding. The goal for this application would be able to tell the user if they have any styling errors. This will be done by the user picking a file to input into the styling scanner. An example of this is using tabs and not spaces. The program will output a file which will tell the user what style mistakes they have.

The first two major parts of the styling program is to make sure the user does not use tabs over spaces and checking character count. This can be done by breaking down the line of code and looking for any '\t' characters. Another major part of this program will be making sure the user does not go over a set character amount on each line. The program can do this by checking each line and counting how many characters it has. If the program has over a set amount of characters it will tell the user.

The next two major parts of the program will be making a file out system which would tell the user all of the problems with the code in one file. The reason for this is that it makes it easier for the user to read what problems their code has. Another major part of the program is including commands that the user can use to modify the styling application. Some commands can include max character count or help commands. These two features are mainly for enhancing the user's experience.

There are two features that I am thinking about adding. The first one is the ability to check the user's comments and display if there are too little or too many. This is useful because some users do not comment their code enough. Another feature would be allowing the user see which line of code has the styling error. This is help the user's experience with finding out where their styling error is. Both of these features are extra and might not be added into the program.

The goal is by the milestone to have finish two major goals. The first one would be searching for tabs. The second one would be file out. This is because file out would be a major core concept of this program. The 10-minute demo will be showing examples of code being checked for styling.