**Programming Assignment 1: Documentation**

The purpose of this program is to use a Unix/Linux environment in order to program a C/C++ program which uses users’ input and reveals the components back to the user.

This program is designed to where the user enters input in an URL format.

Then the program parse/analyze the input and breaks it down into its key components.

The program will find the characters before and after each key component to determine which one of its components is and immediately, figures out if that component meets the requirements that has been described in the manual/instructions of the program.

Then program will store the Protocol, Domain, Port, File Path, and Parameters as a string.

Finally, this program will print its components on the terminal based on if it met the requirements or not. If it met all the requirements it will print all of the components; else, it will print the components that did not match the requirements.