COMP 7005
Assignment 1
User Guide

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Purpose

- A program that will have a client and server connected via unix domain sockets and communicate. Client will send a request and server will send a response.

Installing

Prerequisites

Ensure you have Python 3.12.5 installed on your machine.

Obtaining

git clone https://github.com/AyyyTran/COMP7005_Assign1.git

Running

cd /COMP7005_Assign1/source/src

python server.py -s /socketpath

python client.py -s /socketpath -f /filepath

Environment Variables

The following environment variables alter the behaviour of main:

Variable	Purpose

Configuration

The following configuration values can be set in <file>:

Variable	Purpose

Command Line Arguments

The following configuration values can be set in <file>:

Variable	Purpose
<socketpath>	The path to the UNIX domain socket file used for communication between the client and server.
<filepath>	The file path the client wants to check for on the local system

Examples

Running the server

python server.py -s /tmp/my_unix_socket

Running the client

python client.py -s /tmp/my_unix_socket -f /file/that/exists/or/doesnt