COMP 7005
Assignment 1
User Guide

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Purpose

- A simple program to demonstrate how client-server applications work over UNIX domain sockets.

Installing

Obtaining

```
git clone
https://github.com/GursidhSandhu/Comp-7005-Assign-1.git
```

Building

```
cd source/src/
g++ server.cpp -o server
g++ client.cpp -o client
```

Running

1st run server and choose any appropriate socket path
```
./server /tmp/dns
```

Then in another terminal run client with the same socket path and choose 1/3 available text files (from the source/include directory).
```
./client /tmp/dns messi.txt
```

Environment Variables

The following environment variables alter the behaviour of main:

Variable	Purpose
exit_flag	To end the program once user clicks CTRL-C

Configuration

The following configuration values can be set in server.cpp and client.cpp:

Variable	Purpose

BUFFERS IZE	For storing incoming data, can be adjusted if greater files want to be used.

Command Line Arguments

The following configuration values can be set in the command line:

Variable	Purpose
socketPath	The location on which the socket will bind and communication will take place
fileName	The fileName the server is to find contents of

Examples