

COMP 7005

Assignment 1

Report

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Purpose

This program demonstrates how to efficiently communicate over UNIX domain sockets using a client and a server. Specifically, it showcases how the client requests a certain file and how the server sends back the contents of this file in the response.

Requirements

Task	Status
Create client-server application using UNIX domain sockets that successfully shares contents of a file	Fully implemented

Platforms

dc_shell has been tested on:

- macOS 14.2
- Manjaro
- Ubuntu 2023.10
- Fedora 39
- FreeBSD 14.0

Language

- ISO C++17
- Compiles with g++ and clang++

Documents

- [Design](#)
- [Testing](#)
- [User Guide](#)

Findings

This image helped me understand the general overview of how to establish the connection between client and server. It is very similar (almost identical) to what was shown in class:

