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glokkbewm | <https://github.com/glokkbewm/commaudio>

CommAudio

Test Document

COMP4985 – Final Project

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# Introduction

This document explains the testing strategy for the CommAudio project. It covers all the main elements (coverage, strategy, methods), as well as the list of test cases that the project will be tested against.

The focus of the testing will be the core functionalities of the project via manual testing. The testing will be performed by each individual member responsible for their own sections of the project. In addition, the application as a whole will be tested after the development stage is completed.

# Test Plan

This section covers the details of the testing that will be performed.

## Test Coverage

The testing will cover all aspects of the application: GUI, audio streaming, voice P2P, and file transfer. The intended coverage is the core functionalities and the predominately used areas such as: communication using TCP/IP suite and media playback.

## Test Strategy

All the testing will be performed manually. Due to the straightforwardness of the project, unit testing and automated testing will only be “more trouble than its worth”.

## Test Schedule

All testing is to be performed at the end of the development stage. However, each sections of the code are to be tested before being committed to GitHub.

# Test Cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Test Description | Prerequisite | Test Data | Test Procedure | Expected Results | Pass/Fail |
| Client | | | | | | |
| GUI | | | | | | |
|  | The application loads normally as intended. | N/A | N/A | 1. Run the executable to start the program | The application loads properly without errors. |  |
|  |  |  |  |  |  |  |
| Audio Streaming | | | | | | |
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| Voice P2P | | | | | | |
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| File Transfer | | | | | | |
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| Server | | | | | | |
| GUI | | | | | | |
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| Audio Streaming | | | | | | |
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| Voice P2P | | | | | | |
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| File Transfer | | | | | | |
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