CE387 – Final Lab Report

Anthony Bartolomei and Josh Linero

# FM Radio Background and Theory

# System Architecture

Our system architecture is based on the top-level design presented in class and elaborated on by the C++ source code. See below for a top-level architecture comparison.

A diagram of a multi-tasking process

AI-generated content may be incorrect.

In Class Top Level Architecture Design

A computer screen shot of a computer program

AI-generated content may be incorrect.

Our Top-Level Architecture

Our design includes the use of FIFOs to separate the main components and ensure a proper streaming architecture.

# Design Process

# Optimizations

# Simulation and Performance

# Synthesis Results

A close-up of a document

AI-generated content may be incorrect.

First Attempt Worst Slack Starting Points

A screenshot of a computer program

AI-generated content may be incorrect.

First Attempt Worst Path Analysis Overview