

Project Report

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COT 6427-002: Secret Sharing Protocols

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Project Dependencies

My project was made with Python 3.12.2 and the libraries Tkinter and PyCrypto. Tkinter was used to make the graphical user interface and PyCrypto was used for generating the prime modulus.

Project Description

This project was created to have two programs each read a separate list of names. Then each program/player will compare the names on the list with the other names on the other list. They will do so without compromising the actual names they are comparing by using secure Multi-Party Computation.

Project Design

[illegible]