cd "Google Drive\Uni\COMP9331\Ass1"

python client.py 127.0.0.1 12345 12006

python server.py 12345 60

BlueTrace Contact Tracing App

# Program Design

describing the program design

* Simple communication

## Server Design

* Try/Except
* Multi-threaded
* Blocked users stored in blocked.txt
  + Limitation described in Limitation Section

## Client Design

### Login Design Flow

* Mapping

### Logged in Control Flow

* Doesn’t request tempID if tempID is still valid (Basic version of caching)

# Application Layer Message

format and a brief description of how your system works

Lightweight where possible

Knowing exact size of possible messages where possible

Handshake to determine object size where not

# Design Trade-offs

considered and made.

Threaded implementation of peripheral/central

# Possible Improvements

Describe possible improvements and extensions to your program and indicate how you could realise them.

* Don’t send strings
* Server doesn’t crash, but prints ugly errors when a client unexpectedly drops

# Limitations

If your program does not work under any particular circumstances, please report this here.

* Wrong password count per connection. Malicious user could try one or two passwords, then make new correction to get around 3 password block

# Code from other sources