Tabs vs Spaces
- Tabs

Commenting Code
- Comment often enough so that code can be skimmed through without having to go in depth into large/complicated blocks of code/functions
- Model after portaudio.h documentation
  - Functions provide brief summary of what it does, parameter and return value descriptions

Naming Conventions
- Use prefixes to separate library namespaces
- namespace::camelCase

Error Handling
- Make use of C++'s cerr stream
- Avoid std::flush and std::endl to avoid always flushing the error buffer

- #ifdef DEBUG
  Std::cerr << "mesage\n"
  #endif

  Allows for preprocessor to ignore printing debug/errors when specified

Definition of Done
- In general, only post code to github that will cause no compiler errors and has been tested

Example

Data Structures
- Typedef struct PA::hostInfo{
  Int port;
  Char name;
  Bool online;
} hostInfo;
  - Object that holds information about the host of the chat

Macros
- #define NUM_SECONDS 20
  - Can be passed to PA_Sleep() as a parameter to specify the amount of time to sleep for

Functions
- Int PA::createFD(int domain, int type, int protocol)
  - Calls socket() with the specified function parameters
  - **Parameters**
    - Domain: A communication domain, selects the protocol family to be used for communication (ex. AF_INET)
    - Type: Specifies communication semantics (ex. SOCK_STREAM)
    - Protocol: Specifies a particular protocol to be used with the socket, default value is 0.
  - **Returns**
    - An int referring to the newly created file descriptor, or EXIT_FAILURE if socket() cannot be created.