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Project Under Professor – CHANCE EARY

Course - CSE 5306: DISTRIBUTED SYSTEMS

This project is a GUI Based Server - Client Chat Application built using python and consists of three phases:

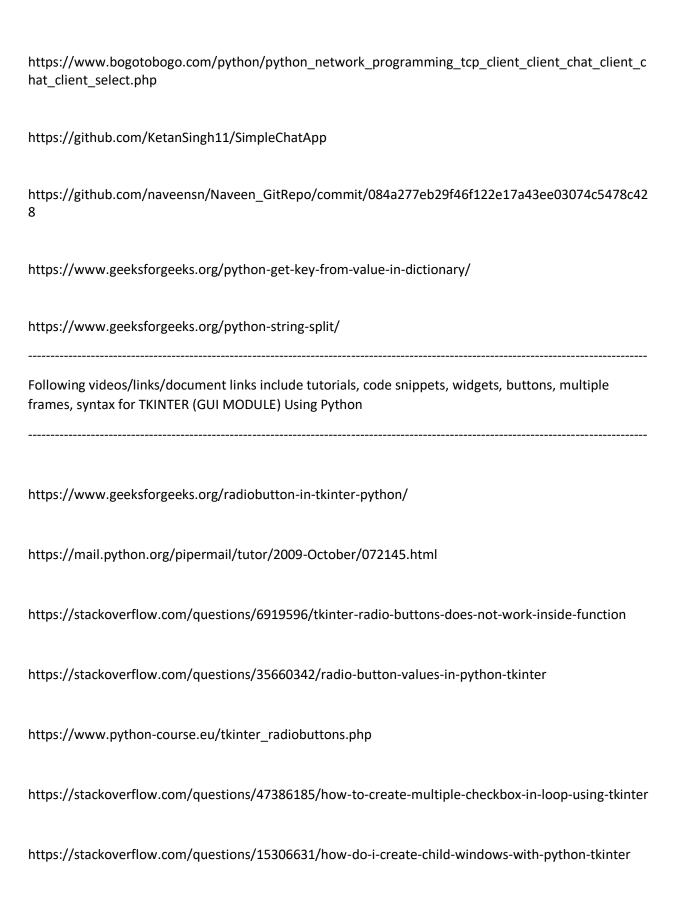
- 1. Synchronous Message server Chat Application
- 2. Asynchronous Persistent Message Server Chat Application
- 3. Passing Vector Clock Values Between Different Clients

Please have a look at the individual read me files for more information regarding this project.

Requirements to Run & check the functionalities

1. Download and Install Pycharm 2019.3.3 - from https://www.jetbrains.com/pycharm/download/#section=windows

3. Create a new Project in Pycharm	
4. Setup Pycharm with Python Interpreter:	
a) Go to settings > Projects > Project Interpreter - Select Python 3.8	
5. Include header/packages	
a) Go to settings > Projects > '+' - add desired packages	
If not installed already install json, socket, threading, Tkinter packages for the	his project
REFERENCES:	
Following videos/links/document links include Sockets, Client-Server Model, Multi-threadin room, Broadcast messages, Multiclient chat system	ng, Chat
https://www.geeksforgeeks.org/simple-chat-room-using-python/	
https://medium.com/swlh/lets-write-a-chat-app-in-python-f6783a9ac170	
https://pythontips.com/2013/08/06/python-socket-network-programming/	
	Shell%20v2)
https://pythontips.com/2013/08/06/python-socket-network-programming/	Shell%20v2)
https://pythontips.com/2013/08/06/python-socket-network-programming/ https://github.com/attreyabhatt/Reverse-Shell/tree/master/Multi_Client%20(%20Reverses)	Shell%20v2)



https://www.youtube.com/watch?v=IB6VkXJVf0Y

https://www.youtube.com/watch?v=qWnE-yp6wzU&t=163s

https://www.youtube.com/watch?v=_ISNIrR1nZU