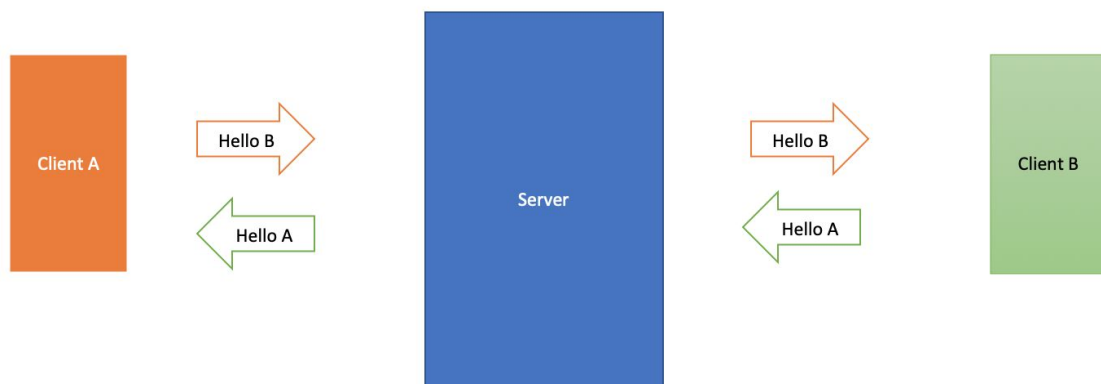


Our program will use dotNet core for both the server and client applications. We will be utilizing the TCP services for the connections between the server and clients. The basic flow of our program should follow these steps :

1. Server is executed.
2. Client A is executed, calling server with a port number for binding.
3. Server sends client A a list of possible clients to communicate with.
4. Client A sends a request to the server to communicate with another client B.
5. Client B accepts the invitation form client A.
6. Client A and client B exchange messages via the server.
7. Client A terminates the connection to the server.



Sources :

<https://docs.microsoft.com/en-us/dotnet/framework/network-programming/using-tcp-services>