Team 1: take the linked list program - SERVER
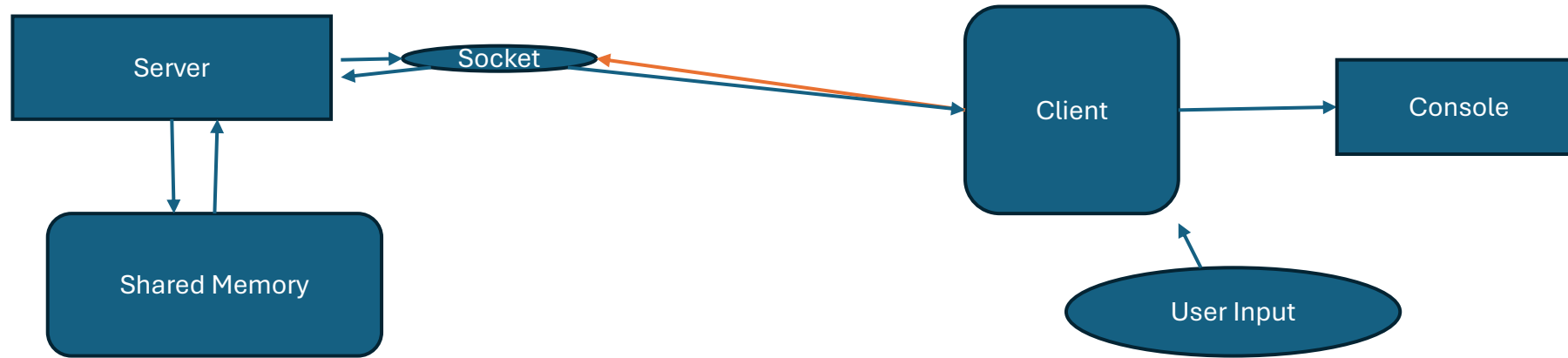
Add a socket layer (server) =>Accept connections, get data from clients

Take the data from the clients and add it to shared memory as DATA STRUCTURE

Make the existing Linked List to Double Linked List

Team 2: Create a client, that will read the user input for the data structure fields and send it to the server via sockets

a) User Input -> Add "data structure" -> Send to server -> Add to the list and send message back data added. This is needed.

b) Search Command -> send find "value" to the server, let the server search and return the data structure

c) Delete Command -> delete "value" to the server, let the server delete and confirm with a message -> data "value" deleted

d) View data in server -> view all to the server, let the server send back the data in shared memory (linked list) to the client over sockets -> just print them on client console

e) Optionally (save data option) – the client will write this to a file on its side

Server → **Socket** → **Client** → **Console**

Shared Memory

User Input

Team 1
1. Abhishek
2. Sawali
3. Piyush
4. Avinash
5. Ankita
6. Ankur
7. Farhan
8. Hardik
9. Harshad
10. **Harshini**
11. Karan
12. Keerti
13. Raju
14. Naga Mounika
15. Ravi Teja
16. Akash
17. Sakshi
18. **Vivek**
19. Bipin

1. **Team 2**
2. Akkanagamma
3. Ved
4. Purva
5. Arbaj
6. Vamsi
7. Rani
8. Subham
9. Mahendra
10. Sai Kumar
11. Narapinni Mounika
12. **Sahaj**
13. **Ramesh**
14. Shravya
15. Sudeep
16. Maniraj
17. Yograj
18. Vidyesh
19. **Tejesh**
20. Rutwik

Team 3
Vishwajeet
Sureshwar
Prathiksha
Sujitha