

Test Evidence

On Windows, used command:

```
>cargo test --test client_test -- --test-threads=1
```

The output:

```
D:\embedded-recruitment-task-0.0.1>cargo test --test client_test -- --test-threads=1
   Compiling embedded-recruitment-task v0.1.0 (D:\embedded-recruitment-task-0.0.1)
   Finished `test` profile [unoptimized + debuginfo] target(s) in 17.93s
   Running tests\client_test.rs (target\debug\deps\client_test-5c66411e1709f83a.exe)

running 5 tests
test test_client_add_request ... ok
test test_client_connection ... ok
test test_client_echo_message ... ok
test test_multiple_clients ... ok
test test_multiple_echo_messages ... ok

test result: ok. 5 passed; 0 failed; 0 ignored; 0 measured; 0 filtered out; finished in 1.75s
```

On Windows, used command:

```
>cargo test --test client_test
```

The output:

```
   Running tests\client_test.rs (target\debug\deps\client_test-5c66411e1709f83a.exe)

running 5 tests
test test_client_echo_message ... ok
test test_client_connection ... ok
test test_client_add_request ... ok
test test_multiple_echo_messages ... ok
test test_multiple_clients ... ok

test result: ok. 5 passed; 0 failed; 0 ignored; 0 measured; 0 filtered out; finished in 1.03s
```

On Windows, used command:

```
>cargo test --test client_test -- --test-threads=1 --nocapture
```

The output:

```
running 5 tests
test test_client_add_request ... Connecting to localhost:8081
Connected to the server!
Sent message: AddRequest(AddRequest { a: 10, b: 20 })
Disconnected from the server!
ok
test test_client_connection ... Connecting to localhost:8082
Connected to the server!
Disconnected from the server!
ok
test test_client_echo_message ... Connecting to localhost:8083
Connected to the server!
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Disconnected from the server!
ok
test test_multiple_clients ... Connecting to localhost:8084
Connected to the server!
Connecting to localhost:8084
Connected to the server!
Connecting to localhost:8084
Connected to the server!
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
Disconnected from the server!
Disconnected from the server!
Disconnected from the server!
ok
test test_multiple_echo_messages ... Connecting to localhost:8085
Connected to the server!
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
Disconnected from the server!
ok
test result: ok. 5 passed; 0 failed; 0 ignored; 0 measured; 0 filtered out; finished in 1.95s
```

On Windows, used command:

```
>cargo test --test client_test -- --nocapture
```

The output:

```
running 5 tests
Connecting to localhost:8081
Connecting to localhost:8083
Connecting to localhost:8082
Connecting to localhost:8084
Connected to the server!
Connected to the server!
Connecting to localhost:8084
Connected to the server!
Connected to the server!
Sent message: AddRequest(AddRequest { a: 10, b: 20 })
Disconnected from the server!
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Connected to the server!
Connecting to localhost:8084
Connected to the server!
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
test test_client_connection ... ok
Disconnected from the server!
Disconnected from the server!
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Connecting to localhost:8085
Connected to the server!
Sent message: EchoMessage(EchoMessage { content: "Hello, World!" })
test test_client_echo_message ... ok
test test_client_add_request ... ok
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Sent message: EchoMessage(EchoMessage { content: "How are you?" })
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
Disconnected from the server!
Sent message: EchoMessage(EchoMessage { content: "Goodbye!" })
test test_multiple_echo_messages ... ok
Disconnected from the server!
Disconnected from the server!
Disconnected from the server!
test test_multiple_clients ... ok

test result: ok. 5 passed; 0 failed; 0 ignored; 0 measured; 0 filtered out; finished in 0.73s
```