**Web Socket Protocol**

**Documentation:**

**Server Code (server.js):**

* This code sets up a WebSocket server using Express and the ws library.
* It listens for WebSocket connections on port 3000.
* When a client connects, it logs a message.
* It listens for messages from clients and logs the received JSON data.
* Client Code (index.html):
* This HTML file serves as a WebSocket client.
* It contains input fields for name, age, and email.
* It has a button to send the input field data to the server as JSON.
* It establishes a WebSocket connection with the server at ws://localhost:3000.
* When the connection is open, it logs a message.
* It defines a function sendData() to gather input field values, create a JSON object, convert it to a string, and send it to the server.
* It listens for messages from the server and logs the received JSON data.
* When a message is received, it parses the JSON data and fills the input fields with the received data.

**How to Run:**

**Server:**

* Save the server code in a file named server.js.
* Open a terminal in the directory containing server.js.
* Run the following command to start the server:

node server.js

* You should see a message indicating that the server is listening on port 3000.

**Client:**

* Save the client code in a file named client.html.
* Open the client.html file in a web browser (e.g., Google Chrome).
* Interact with the input fields to enter name, age, and email.
* Click the "Send Data" button to send the input field data to the server.
* Check the terminal where the server is running to see the received JSON data logged.