

Server (index.js):

```
const express = require('express');
const http = require('http');
const { Server } = require('socket.io');
const app = express();
const server = http.createServer(app);
const io = new Server(server);

io.on('connection', (socket) => {
  console.log('User connected:', socket.id);

  socket.on('chat message', (msg) => {
    io.emit('chat message', msg);
  });

  socket.on('disconnect', () => {
    console.log('User disconnected:', socket.id);
  });
});

server.listen(3000, () => {
  console.log('Server running on port 3000');
});
```

Frontend (index.html):

```
<!DOCTYPE html>
```

```
<html>
<head><title>Chat</title></head>
<body>
  <ul id="messages"></ul>
  <input id="msgInput" autocomplete="off" /><button
onclick="send()">Send</button>
  <script src="/socket.io/socket.io.js"></script>
  <script>
    const socket = io();
    const input = document.getElementById('msgInput');
    const messages = document.getElementById('messages');

    socket.on('chat message', msg => {
      const item = document.createElement('li');
      item.textContent = msg;
      messages.appendChild(item);
    });

    function send() {
      socket.emit('chat message', input.value);
      input.value = "";
    }
  </script>
</body>
</html>
```