## Task 4.1 — Add Socket.IO Hello Test

I have a project called Mivton — a multilingual chat platform — in a folder called Mivton on my Desktop. It’s a Node.js + Express.js backend, PostgreSQL DB, vanilla HTML/CSS/JS frontend, deployed to Railway. You must only edit files inside the Mivton folder. I will deploy using Railway CLI, so your changes must run locally with npm start and on Railway without extra setup.  
  
What to do:  
1. Install and set up Socket.IO on the server in server.js.  
2. Serve the Socket.IO client script to the frontend.  
3. In public/js/chat.js (create it if missing), connect to the server via Socket.IO.  
4. On connect (server), log socket connected and the socket ID.  
5. Create a simple round-trip: client emits a "ping" event, server responds with "pong".  
6. Do not add authentication yet — just basic connection.  
  
Testing (after you finish):  
1. Run npm start.  
2. Open dashboard.html in two browser tabs.  
3. In one tab’s browser console, run:  
 socket.emit('ping', { t: Date.now() })  
4. You should see a "pong" event in the console.  
5. Deploy to Railway with railway up and repeat the test on the live URL.