**Streaming App Project**

**Project Folder structure**

/streaming-app

/app

/api

/upload

route.ts ← handles video upload + ffmpeg processing

page.tsx ← frontend UI (you already have this)

/public

/videos ← HLS output will be served here

package.json

next.config.mjs

tailwind.config.js

tsconfig.json

/app

/api

/socket/route.ts ← WebSocket signaling server

/live

/page.tsx ← page for starting a live stream

/watch/[id]/page.tsx ← viewer page for watching a live stream

/lib

signaling.ts ← shared WebSocket helper

**Streaming Protocol:**

* **HLS (HTTP Live Streaming)** — the most widely supported (especially on iOS)

**Backend (Node/ExpressJs) Dependencies**

* express
* multer
* fluent-ffmpeg
* cors
* ffmpeg
* @ffmpeg-installer/ffmpeg