Assignment — Smart Home Energy Monitor

Access and Ports

1. **Containerized Setup**

Frontend : http://localhost:80

Backend : http://localhost:3001/health

2. **Local Development / Non-Docker Development**

Frontend : http://localhost:5173

Backend : http://localhost:3001

Environment Variables

1. File Path (Root) : \smart-home\.env

DB Credentials :

MONGO_USER=your_admin

MONGO_PASSWORD=you123

MONGO_DB=yourtelemetryDB

2. File Path (Backend) : \smart-home\backend\.env

DB Credentials

MONGO_USER=your_admin

MONGO_PASSWORD=you123

MONGO_DB=yourtelemetryDB

Local Development URI

MONGO_URI_LOCAL=mongodb://your_admin:you123
@localhost:27017/yourtelemetryDB?authSource=admin

Other Local Variables

PORT=3001

3. File Path (Frontend) : \smart-home\backend\.env

Backend URL

VITE_BACKEND_URL=http://localhost:3001

Path for the create telemetry ingest endpoint

VITE_CREATE_INGEST_API_PATH=/devices/ingest

Path for the API health check

VITE_HEALTH_API_PATH=/health

Path for aggregate data fetching

VITE_AGGREGATE_API_PATH=/telemetry/summary

Path for trend data fetching

VITE_TRENDS_API_PATH=/telemetry/trends/total

Path for telemetry usage breakdown data fetching

VITE_USAGE_BREAKDOWN_API_PATH=/telemetry/breakdown

Path for telemetry readings fetching

VITE_READINGS_API_PATH=/telemetry/readings

Path for device data fetching

VITE_DEVICES_API_PATH=/telemetry/metadata/devices

WebSocket URL (requires the 'ws://' prefix)

VITE_WS_URL=ws://localhost:3001/ws/telemetry