

# AR Infrastructure Dashboard - Implementation Document

## 1. Backend Setup (Node.js + Express + Socket.io)

```
const express = require("express");
const cors = require("cors");
const http = require("http");
const { Server } = require("socket.io");

const app = express();
const server = http.createServer(app);

const io = new Server(server, {
  cors: {
    origin: "*",
  },
});

app.use(cors());
app.use(express.json());

app.get("/", (req, res) => {
  res.send("AR Infra Backend is running 🟢");
});

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

  socket.emit("health-update", {
    server1: "green",
    server2: "yellow",
    server3: "red",
  });

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

const PORT = 4000;
server.listen(PORT, () => {
  console.log(`Backend server running on http://localhost:${PORT}`);
});
```

## 2. Frontend Fix - Full Screen Layout (index.css)

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

html, body, #root {
  width: 100%;
  height: 100%;
}

body {
  font-family: Arial, sans-serif;
  background-color: #121212;
}
```

### 3. Dashboard Title Styling (Dashboard.css)

```
.dashboard-title {  
  color: white;  
  margin-bottom: 40px;  
  font-size: 42px;  
  font-weight: bold;  
  letter-spacing: 1px;  
}
```

### 4. App.jsx Structure

```
import Dashboard from "../components/Dashboard";  
  
function App() {  
  return (  
    <div style={{ minHeight: "100vh", width: "100%" }}>  
      <Dashboard />  
    </div>  
  );  
}  
  
export default App;
```