Healthcare Platform – Code Quality Assessment Task

Overview
This is a full-stack doctor appointment + telemedicine web app.
The codebase contains intentional bugs and issues such as security flaws, TypeScript errors, performa
Goal: Find issues, fix them, and make the project fully running.

Tech Stack
Frontend:
- React + TypeScript
- Tailwind CSS

Backend:
- Node.js + Express + TypeScript
- MongoDB

AI:
- Gemini API (patient health recommendations)

Task Requirements
Create a document (Markdown / PDF / Google Doc) containing:

1) Issues Found
List issues with severity:
- Critical
- High
- Medium
- Low

Examples of issue types:
- Security (auth, token, CORS, env exposure)
- Bugs / broken logic
- TypeScript/type issues
- Performance issues
- API inconsistencies
- UI responsiveness / layout problems

2) Solutions Implemented
For each issue:
- What was wrong
- What you fixed
- Files changed (optional)

Setup Instructions
Install Dependencies
cd backend
npm install
cd ../frontend
npm install

Backend .env (use personal credentials)
PORT=5000
NODE_ENV=development

```
MONGODB_URI=your_mongodb_connection_string
JWT_SECRET=your_jwt_secret
SESSION_SECRET=your_session_secret
FRONTEND_URL=http://localhost:5173
GEMINI_API_KEY=your_gemini_api_key
GOOGLE_CLIENT_ID=your_google_client_id
GOOGLE_CLIENT_SECRET=your_google_client_secret
AWS_ACCESS_KEY_ID=your_aws_key
AWS_SECRET_ACCESS_KEY=your_aws_secret
AWS_REGION=us-east-1
AWS_S3_BUCKET_NAME=your_bucket_name
```

Frontend .env
```
VITE_API_URL=http://localhost:5000/api
VITE_GOOGLE_CLIENT_ID=your_google_client_id
```

Run Project
```
# Backend
cd backend
npm run dev
```

```
# Frontend
cd frontend
npm run dev
```

Access
Frontend: http://localhost:5173
Backend: http://localhost:5000

Final Goal: Fix all issues and ensure the application + Gemini AI feature runs smoothly.