

App.py

```
from flask import Flask, render_template, request, jsonify
```

```
app = Flask(__name__)
```

```
# Temporary database (Real time lo SQL use chestham)
```

```
appointments = []
```

```
@app.route('/')
```

```
def index():
```

```
    return render_template('index.html')
```

```
# Patient appointment submit cheyadaniki
```

```
@app.route('/api/book', methods=['POST'])
```

```
def book_appointment():
```

```
    data = request.json
```

```
    appointment = {
```

```
        "id": len(appointments) + 1,
```

```
        "name": data.get("name"),
```

```
        "age": data.get("age"),
```

```
        "concern": data.get("concern"),
```

```
        "date": data.get("date"),
```

```
        "location": data.get("location"),
```

```
        "hospital": data.get("hospital"),
```

```
        "status": "Pending"
```

```
    }
```

```
    appointments.append(appointment)
```

```
return jsonify({"message": "Success", "id": appointment["id"]})
```

```
# Doctor pending requests choodadaniki
```

```
@app.route('/api/doctor/inbox', methods=['GET'])
```

```
def get_inbox():
```

```
    pending = [a for a in appointments if a["status"] == "Pending"]
```

```
    return jsonify(pending)
```

```
# Doctor decision (Approve/Reject) update cheyadaniki
```

```
@app.route('/api/doctor/decide', methods=['POST'])
```

```
def decide_appointment():
```

```
    data = request.json
```

```
    apt_id = data.get("id")
```

```
    status = data.get("status") # "Confirmed" or "Rejected"
```

```
    for apt in appointments:
```

```
        if apt["id"] == apt_id:
```

```
            apt["status"] = status
```

```
            return jsonify({"message": f"Appointment {status}"})
```

```
    return jsonify({"message": "Not Found"}), 404
```

```
# Patient status check cheskovadaniki (Polling)
```

```
@app.route('/api/status/<int:apt_id>', methods=['GET'])
```

```
def check_status(apt_id):
```

```
    for apt in appointments:
```

```
        if apt["id"] == apt_id:
```

```
            return jsonify({"status": apt["status"]})
```

```
    return jsonify({"status": "Not Found"}), 404
```

```
if __name__ == '__main__':  
    app.run(debug=True)
```