Task

Our company invites you to take part in the ~~EXTERMINATION~~ creation of a key production chain system for our colleagues!

You need to build a booking system for a hidden workshop on Earth that installs critical devices. The system must allow users to book the workshop in different time zones, ensuring no overlaps between bookings. API must be implemented as a simple HTTP server.

Requirements:

1. **Booking system**:

   - The system should allow users to book the workshop for specific dates and times in their local time zones.

   - Duration of timeslot can very from 30 minutes to 4 hours.

   - Before confirming a booking, the system must check for overlapping bookings and prevent any conflicts.

2. **Data**:

   - Workshop working hours are set in local timezone. Add at least 3 workshops. Schedules also must be stored in database as predefined. Note: a workshop might work even after midnight.

3. **Technologies**:

   - Go for backend logic.

   - PostgreSQL for data storage.

   - Ensure data consistency.

   - Use any go framework or library.

If booking conflicts happen too often, the workshops might attract unwanted attention from a "Doctor."