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Skeleton file
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```
#include <iostream>
#include <string>
#include <list>
using namespace std;
// namespace std {
// template <typename T> class list {
    /**
//
//
      * Appends the given element value to the end of the container.
//
//
    void push_back(T&& value);
//
//
    /**
//
     * Returns a reference to the last element in the container.
//
//
   T& back();
// };
// } // namespace std
int now() { return 0; }
class Client;
class Agent;
class Property;
class Appointment;
class DB {
 list<Appointment> db;
 list<Agent> agents;
 list<Property> properties;
 list<Client> clients;
public:
 Appointment& makeAppointment(Agent& a, Property& p, Client& v, int time);
 bool clientIsAvailable(Client& p, int time);
 bool agentIsAvailable(Agent& p, int time);
 bool propertyIsAvailable(Property& p, int time);
 Property& getProperty(int latitude, int longitude);
 Agent& getAgent(int phoneNumber, string name);
 Client& getClient(int phoneNumber);
};
////////// Do not change anything above this line! //////////
// Your code goes here
//////// Do not change anything below this line! ///////////
int main(int /*argc*/, char* /*argv*/[]) {
 DB db;
 auto p1 = db.getProperty(0, 0);
 auto a1 = db.getAgent(12345, "Jules");
 auto c1 = db.getClient(54321);
 auto app = db.makeAppointment(a1, p1, c1, now() + 8);
 auto newAppointment = app.cancel();
 std::cout << newAppointment.time << std::endl;</pre>
 return 0;
}
```