Project Documentation

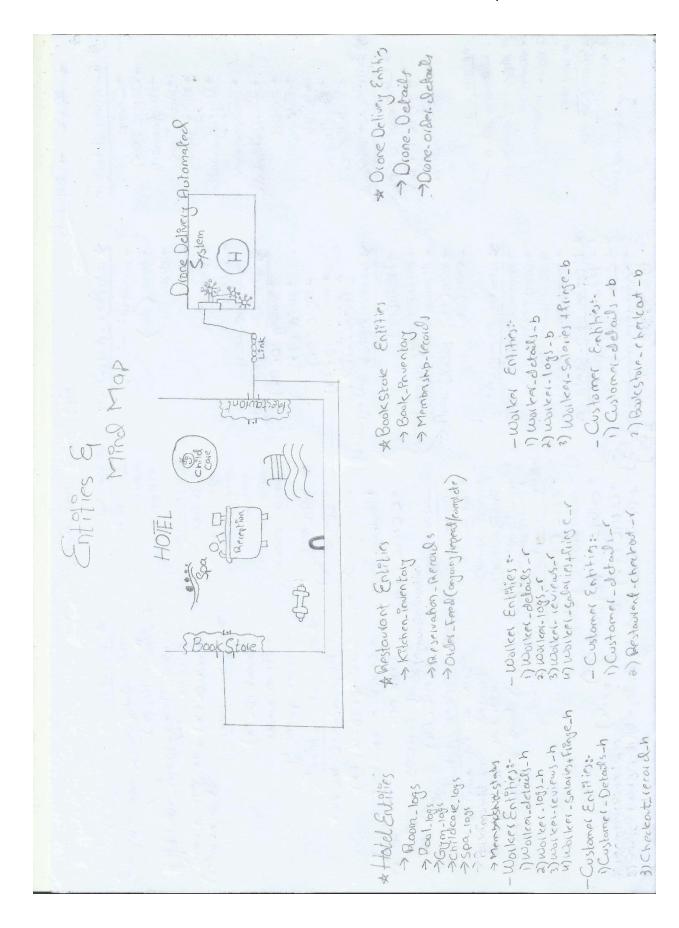
Topic: Hotel System(including a Bookstore & Restaurant System) linked with Drone Delivery System

Dear Non-IT person, this is for you,

So, we are writing this documentation while keeping in mind that the person reading this has no technical knowledge regarding such systems, so we assure that there is no technical language used in this, but the gist of the project will be understood.

The goal of this project is to create a hotel management system which has a restaurant and a bookstore in it and furthermore the delivery systems of the restaurant and bookstore are connected to an automated drone delivery system.

So, in more detail, what's happening in this system is that there is a hotel which has all the required functions of a hotel such as room reservations, extra activities such as pools,gym,childcare and spa. Furthermore, the hotel clients have an option for getting hotel membership that includes integrated restaurant and bookstore benefits, this way all the transactions of the bookstore and restaurant will be redirected to the hotel checkout receipt at the end of a customer's hotel reservation. Another operational view of the project is that the restaurant and bookstore can operate standalone if the customer is a walk-in customer and has no reservation in a hotel or hasn't bought the hotel membership, this way the order transaction will take place on the spot, whether in a bookstore or restaurant. Moreover, to be a walk-in customer of the bookstore, first the customer needs to physically visit the bookstore and subscribe to the bookstore subscription, only then he will be allowed to make online deliveries later on. The third and last operational view is that the customer is a person sitting in his home and has ordered a home delivery through online medium, for this method the restaurant and bookstore will send the parcels to a drone, and feed the necessary details of it to the drone database system, so it can automatically perform the door transaction and provide the required time for delivery. Moreover as a logical check we have not allowed hotel reservation customers to make online orders(Home deliveries). Furthemore, in this entire system we have used soft copy deletion(flags for record deletion, the record can be bought back and won't be permanently deleted).



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