Finished:

_ Model Events and Customers system. Each event has limited capacity. Each customer needs to visit all event. We used PAT to calculated the minimum time for a given setup of event and number of customers so that all customers will feel happy.

_ Model Events and Booths systen. Each event can be held on a booth. After event finished, a booth can be allowed to be rented by other event. (Not completed)

_ Probability model for a customer. Each customer has different preference for different event, which can be modeled by probability the customer will visit the event. In the case a customer cannot visit all events because of limited time, what events he will chooses to maximize number of visited events.

_ Model Alarm system. (Not completed)

Todo:

Calculate maximum number of Visitors given a setup of events.

Finish incompleted systems.

Merge all separated system to a master system which includes Events, Customers, Booths and alrm.