

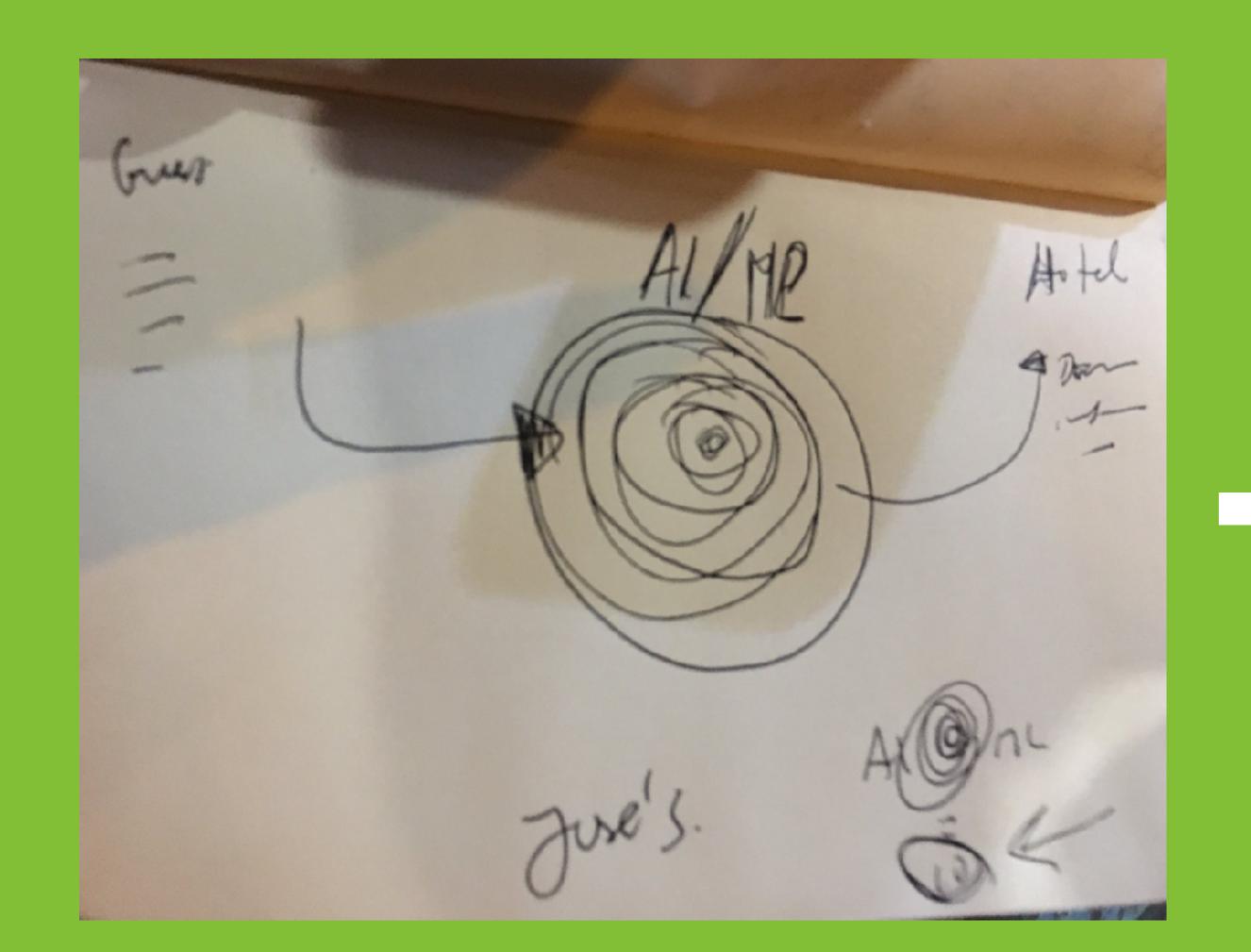


# about #guestcentric

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# It all starts with a great idea...

code name "MacGyver"

# Concept

OTAs have very high cancellation rates (up to 50%)

Pre-stay activity can reduce cancellation rate up to 70%

(source Tambourine)





## Live Demo

Built from scratch from 8:30am of 25/4 to 3pm of 26/4





# Concept

## Relevant Data and Prediction for Smart Decisions

- Provide CompSet contextual information
  Provide Upgrade suggestions
- Provide a Cancellation probability score
- Provide Guest detail information and sentiment
- Warn Hotel about Live Guest Sentiment

- Live communication
  - Live warnings
  - Direct communication
  - = secure good reviews





- AWS
  - API gateway
  - LAMBDA functions
- Node JS
- Dynamo DB
- Google Material Design
- HighCharts
- AngularJS

## Technology Expedia APIs used

- Expedia QuickConnect **Booking Retrieval & Confirmation API**
- VIP Booking (Experimental)
- Gaia (Experimental)
- Travel Content Service TCS (Experimental)
- **Hotel Review** Analyzer (Experimental)
- Marketplace Feed (Experimental)

## Other APIs & Services used

#### **GuestCentric Api's**

GuestCentric IBE Partner API

### **External Api's**

- Twillio Rest API
- AWS SES Api Email processing

## **Amazon Machine Learning Blackbox** for Cancelation prediction

 User sentiment + User reviews + Cancelation history + Booking pace + Reservation type/date/value/ occupation/source/location + VIP





# Next steps

- Create External service for Cancellation Prediction
  - 2 way API to serve external partners
- Dynamic CompSet
  - Based on lost reservations
- Fair Share V2
  - Add local events (date / # attendees / local capacity) to the mix
- Reviews DB Cube for deep analytics and AddOn recommendation
  - Hotel / Guest / Room / Addons / Events / Date
- Real Time Reviews
  - API for external answers



