Project Title: Developing a flight delay model using Machine Learning

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## 1. CUSTOMER SEGMENT(S)



# - Normal flight users

- Business professionals having meetings
- People boarding a lay-over flight
- Logistics incharge at airport Airport catering manager

### 6. CUSTOMER CONSTRAINTS



### 5. AVAILABLE SOLUTIONS



Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

- Refund/Partial Refund
- Not knowing the exact time of delay
- Unavailability of alternate flights or accommodation



- May take alternate flights
- Ask for an alternate flight/schedule
- Wait for the delayed schedule
- Enjoy airline benefits
- Report airline
- Cancel the flight
- Search for specific reasons for delay

# 2. JOBS-TO-BE-DONE / PROBLEMS



- To know if a flight is delayed
- To make alternate arrangements to reach the destination in case the flight is delayed
- To know other things that can be done when the flight is delayed

### 9. PROBLEM ROOT CAUSE



- Unavailability of means to estimate delays occurring in airplanes
- Large scale economic loss for both airlines and the customers
- Degradation in airline's reputation when many flights are delayed

### 7. BEHAVIOUR



- Use the app deployed to know the approximate delay
- Find alternate travel options
- Find hotel accommodations for overnight delays
- Fill ratings and feedbacks to help other users

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