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Identify strong TR

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Define 1. CUSTOMER SEGMENT(S) 5. AVAILABLE SOLUTIONS 6. CUSTOMER CONSTRAINTS CC CS - Normal flight users Refund/Partial Refund - May take alternate flights - Business professionals having - Ask for an alternate flight/schedule - Not knowing the exact time of delay meetings - Wait for the delayed schedule - Unavailability of alternate flights or - People boarding a lay-over flight accommodation - Enjoy airline benefits - Logistics incharge at airport - Report airline Airport catering manager - Cancel the flight - Search for specific reasons for delay J&P 2. JOBS-TO-BE-DONE / PROBLEMS 9. PROBLEM ROOT CAUSE RC 7. BEHAVIOUR - To know if a flight is delayed - Unavailability of means to - Use the app deployed to know the - To make alternate arrangements to estimate delays occurring in approximate delay reach the destination in case the airplanes - Find alternate travel options flight is delayed - Large scale economic loss for - Find hotel accommodations for overnight - To know other things that can be both airlines and the customers delavs done when the flight is delayed - Degradation in airline's - Fill ratings and feedbacks to help other reputation when many flights are users delayed

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3. TRIGGERS

- Cancellation of flights
- Extreme boredom
- Guilt of wasting time
- Thought of missing important meetings
- Missing layover flight
- Uncertainty in deciding if the flight is delayed when they start late for the airport

10. YOUR SOLUTION

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The aim is to develop an application that predicts flight delays using a supervised machine learning model (a decision tree classifier) with the data of flights and delays so far and estimate the time of delay taking spatial dependencies of flights into account.

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8.CHANNELS of BEHAVIOUR

8.1 ONLINE

- Check if a particular flight will be delayed and the estimated time of arrival
- Giving ratings and feedbacks for various flights so as to improve the app's performance in predicting further delays
- Check for other specific reasons for delay

4. EMOTIONS: BEFORE / AFTER



Before:

- Worried
- About missing important events
- About missing layover flights
- If the flight is going to be cancelled
- Frustrated
- About the unexpected delay/cancellation
- Not knowing the news of delay beforehand
- About the weather
- Bored
- Don't know how to make use of time

After:

- Gets to enjoy the airline benefits
- Stay relaxed after getting a proper update from the airline
- Relieved if an alternate solution can be found

8.2 OFFLINE

- Finding alternate travel routes in the airport
- Hotels near the airport can be visit for overnight stays during delays