Focus on J&P, tap into BE, understand

1. CUSTOMER SEGMENT(S)

Who is your customer?

Passengers who are waiting for there delayed flight

- -Normal flight passengers
- -Bussiness professionals
- -Lay-over Flight passengers
- -Logistics

6. CUSTOMER

CS

J&P

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

[Grab your reader's attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]

5. AVAILABLE SOLUTIONS

CC

RC

Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons dothese

- -Taking alternative flights
- -Wait for delayed flight
- -Cancel flight and look for alternative ways

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides

- -To check whether the flight is delayed or not
- -Taking alternatives arrangements to reach the airport while the flight is delayed

9. PROBLEM ROOT CAUSE

What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations

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

7. BEHAVIOUR

What does your customer do to address the problem and get the job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

- -if your airline delay your flight overnight make sure they'll reimburse any hotel incurred due to their error.
- -Travel insurance can sometime help cover the unexpected delay.
- -If your flight is delayed, you want to be the first at the counter the discuss the option

BE

AS

Explore AS

Extract online & offline CH of BE

- -Cancellation of flights
- Getting Boring
- Guilty of wasting time
- Missing layover flight
- Uncertainty in deciding if the flight is delayed when they start late from the airport

4. EMOTIONS: BEFORE / AFTER

Before:

- Worried about missing important events and missing

layover flights

- If the flight is gonna be canceled
- Frustrated
- About the unexpected delay/cancellation
- Not knowing the news of delay beforehand
- About the weather

After:

- Gets to enjoy the airline benefits
- Stay relaxed after getting a proper update from the

airline

- Relieved if an alternate solution is found

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

- 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

8.2 OFFLINE

- Finding alternate flights in the airport / alternative travel routes
- Hotels near the airport can be visit for overnight stays

during delay at night/midnight