

### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

→ 5 minutes

PROBLEM
How might we design our virtual helper so that it can either reduces the delay or forecast the reasons?





### Brainstorm

Write down any ideas that come to mind that address your problem statement.

→ 10 minutes



Baskaran			Adluru			Harish			Javid		
Communication loss due to poor connection	Needed when there is heavy mist condition	Failures in ARTCC radars	Increased turbulence may lead to Aircraft Damage	Passengers' lives are at risk	Fog, Thunderstorm, Mist are some adverse weather conditions	Detayed Catering results in unwanted expenses to airlines	Results in Financial impact on airlines	Proper Schedule must be planned to avoid delays	Cargo affects mostly on passengers	Transportation department	Loading and unloadin of ULD
TRACON's seperation mislead	It affects mostly on Pilot	Scured level of boundry	Results in Delayed Take-off	Affects both Pilot and Passengers.	Flights must be scheduled according to meteorological conditions.	Happens because of late arrival of catering trucks	Best Catering firm must be employed by the airlines	Have severe impacts on passengers' who have Health problems	May get delayed by Customs	Crew members are affected	To balant the dela crew has work on ex flights
It affects mostly on passengers	Hospitality is greatly involved	Sudden landing of flight in midway for emergency	Affects the Pilot's Vision	Impacts include Shattened windscreen, Jet engine ingestion , engine failure.	Airplane colors and jet engine spinner markings help to repel birds	Prolonged Security checks will results in Dissets fication of customers	Affects mainly the passengers	Does not affects the airlines in any manner	When there is need of immediate flight	They could be over stressed due to this	Technica supporte are questione
It occurs occasionally in emergency	During Takeoff and Descent	Sometimes it may lead to time delay for co passengers	Bird strikes occurs mostland during Landin Phase of the Flight	Affects the alreraft parts such as engines and windscreen which may lead to unavoidable expenses	Bird strikes are minor damage but may pose threats to safety.	Occurs mainly due to security breach and terminal evacuation	Occurs in airports which follows strict checking procedures	Impacts Travelers' plans	Fuel tank capacity need to be ensured	Landing gear functions must be checked	Radars, sat measurems and ATC m be checke
Business class may get affected by this	Management is involved	Connecting passengers may take excess time	Walting for Cre will affects mainly the passongers' travel plans	May leads to ticket cancellation by customers	A Backup Crew must be employed during the delay.	Causes due to refueling, baggage loading etc.	Delays occurs mainly due to Transportation of fuel	Proper maintenance and Cargo handling	Overweight must be avoided	Need to alarm before it crosses flight envelope	Should has proper pow backups
It is usually seen during business hour or festives	In the midway of travel	It needs to be fixed as it takes much time	Crew held u in Traffic an Crew reported sici		Resting periods for crew must be planned appropriately.	Increased efficient of aircraft engines	Ideal Cleaning crew must be employed by airlines	Will affects the trustworthiness of the airlines	Must have more ways for proper flight function when these is mechanical problem	It must recognize the problem and to work without any permissions	It must giv alerts to A <sup>2</sup> when there any malfunctio



# Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

→ 20 minutes













Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as

themes within your mural.



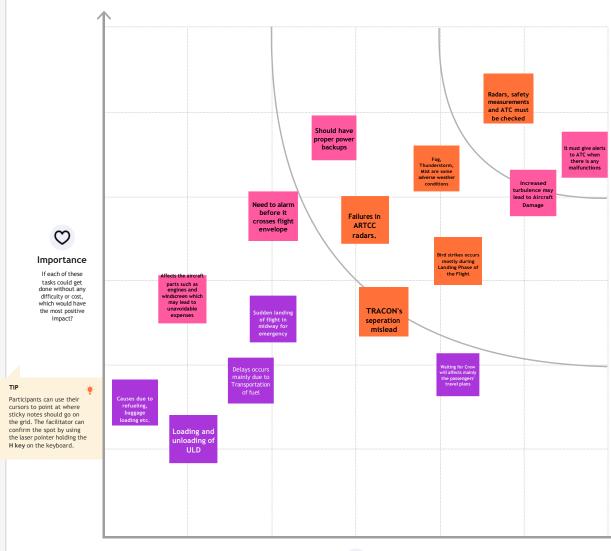




## Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes





### Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)