

Project Report Template

The Tragedy Of Flight: A Comprehensive Crash Analysis

1.INTRODUCTION

1.1 Overview

On 27th of December 1991, an aircraft of model MD-81 operated by Scandinavian Airlines System (SAS), flight SK 751 departed from Arland International Airport in Stockholm, Sweden, on a route to Copenhagen, Denmark. In a couple of minutes after the departure both engines failed and the emergency landing had to be made on a field.


1.2 Purpose

The goal of an airplane crash analysis is to identify any factors that contributed to the accident with the ultimate goal of improving safety and preventing future accidents.

2.PROBLEMS DEFINITION & DESIGN THINKING

2.1 Empathy map

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Empathy map

Use this framework to develop a deep, shared understanding and empathy for other people. An empathy map helps describe the aspects of a user's experience, needs and pain points, to quickly understand your users' experience and mindset.

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Build empathy

The information you add here should be representative of the observations and research you've done about your users.

Says


What do you hear them say?
What can you imagine them saying?

Aviation accidents can be traced to a variety of causes, including pilot error, air traffic controller error, design and manufacturer defects, maintenance failures, sabotage, or inclement weather.

Thinks

What are their thoughts, beliefs, feelings, attitudes, and assumptions?
What can you imagine them thinking?

The three basic problem of flight: 1.Lift-generating an upward force greater than the weight of the plane, 2.Thrust - propelling the plane forward, 3.Control - stabilizing and directing the plane's flight.



Does

What do they do?
What can you imagine them doing?

Aviation safety was perceived acceptable for 95% of the population.
A division was made between internal and external safety. Internal safety is mainly achieved by the presence of professional crew, a statistical small accident-chance, good equipment and a reliable airline.

Feels


What are their feelings?
What can you imagine them feeling?

Effective Implementation of India has increased to 85.49% from the previous 69.95%.
Indi a operates a wide - ranging network of international flights and currently has Air Services Agreements with 136 countries.

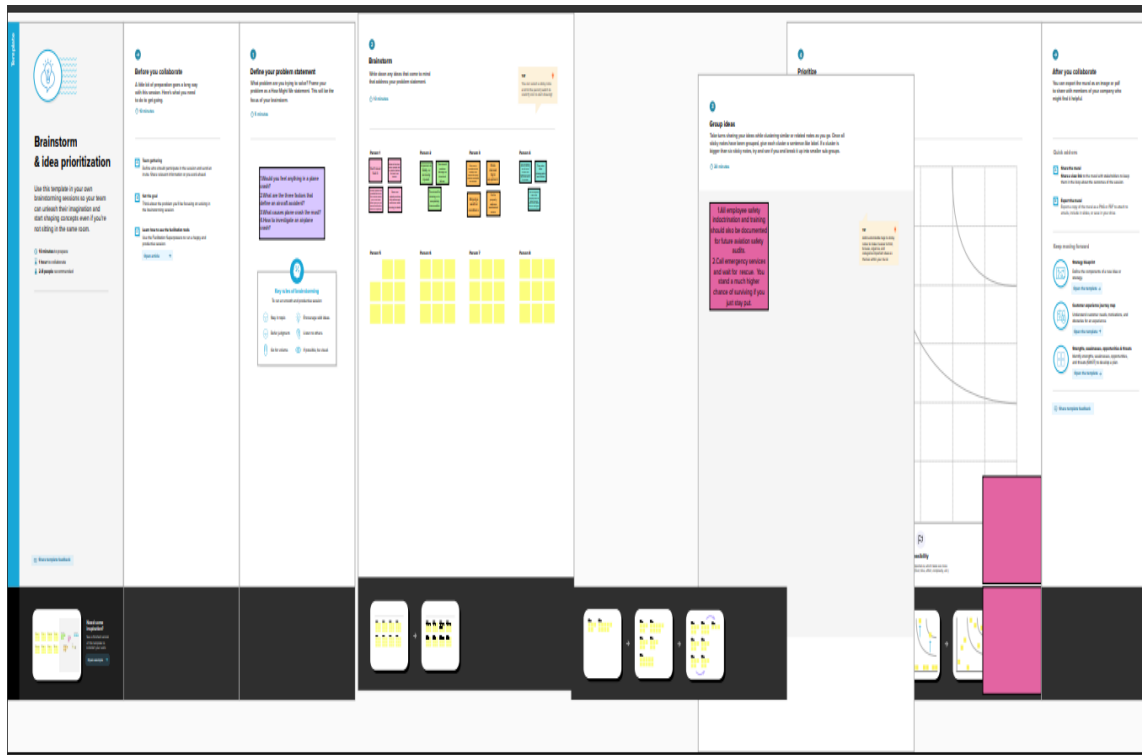
Need some inspiration?

Get a better understanding of how to use an empathy map. Watch this video.

[Watch video](#)



2.2 Ideation & Brainstroming map



3.RESULT

Final findings (output) of the project along with screenshots.

4.ADVANTAGES & DISADVANTAGES

- Air transport is one of the fastest modes of travel. Aeroplanes can carry people, mail and

lightweight goods to distant places in the shortest time possible.

- It requires huge investment costs such as the constructions of airports , runways , air traffic control towers, etc.

5.APPLICATION

The broad spectrum of uses for airplanes includes recreation, transportation of goods and people, military, and research.

6.CONCLUSION

Even if your plane does go down, your chances of surviving the crash are high. In fact, the National Transportation Safety Board says the odds are more than 95% .

7.FUTURE SCOPE

Enhancements that can be made in the future.

8.APPENDIX

A source Code

Attach the code for the solution built.