High Level Design (HLD)

Airport Data Analysis

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# Document Version Control

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# Introduction

Aviation is the activities surrounding mechanical flight and the aircraft industry. An airline is a company that provides air transport services for traveling passengers and freight. Airlines use aircraft to supply these services. The motive of this project is to analyse airport and airline data to create dashboard using visualization tool and identify where the various flights are going, what is the busiest and most lengthy routes from the airport and various other insights are explained with the help of the BI visualization tool.

# Problem Statement

Learn how to develop airport and airline data analysis dashboard development project in

Power BI

Identifying where the various flights are going.

What is the most busy.

Most lengthy routes from the airport.

Find key metrics and factors and show the meaningful relationships between attributes.

# Database Description

**Geometry Coordinates:** Coordinate geometry is used to manage and regulate air traffic. The coordinates of the flight are used to describe the aircraft's current location.

**Process Ending date:** Accurate Date when process ended.

**Starting Point:** Information related to the starting point of the flights.

**Actual Timestamp:** Actual time taken by flight to occurred at a particular event.

**Airlines:** Airlines names.

**Base Airlines:** Information related to base of the Airlines.

**Base Flight No.:** Flight No of the flights at base airlines.

**Date:** Accurate date when process started.

**Estimated Timestamp:** Estimated calculated time that a flight will take to occur at a particular event.

**Event:** Destination.

**Flight No.:** Flight no. of the flights.

**Route:** Details of the route that the flight took to arrive at the event.

# 

# Tools used

Business Intelligence tools- Power Bi and Excel



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# Process:

