COVID-19 Airport Operations Database

INFO 6210 - Data Management and Database Design

Mission Statement

The purpose of the database is to maintain and track the data of passengers, flights and on-ground staff amidst the pandemic. It will be used by administrative staff to make sure the operations in the airport are safe for the business and it will not duplicate the information from the airline database.

Mission Objectives

Maintain:

- To maintain (enter, update, and delete) data on passenger's personal details.
- To maintain (enter, update, and delete) data on passenger's pre-travel health details.
- To maintain (enter, update, and delete) data on passenger's pre-travel Covid Symptoms.
- To maintain (enter, update, and delete) data on passenger's pre-travel Covid test details.
- To maintain (enter, update, and delete) data on passenger's travel history details.
- To maintain (enter, update and delete) data on the list of precautions that has to be taken by passengers.
- To maintain (enter, update and delete) data on passenger's post travel health details.
- To maintain (enter, update, and delete) data of countries.
- To maintain (enter, update, and delete) data on quarantine centres.
- To maintain (enter, update, and delete) data on flight details.
- To maintain (enter, update, and delete) data on the list of sanitary precautions taken by flights.
- To maintain (enter, update, and delete) data on food offered in flight.
- To maintain (enter, update, and delete) data on flight operations.
- To maintain (enter, update, and delete) data on flight staff health.
- To maintain (enter, update, and delete) data on airport details.
- To maintain (enter, update, and delete) data on flight route details.
- To maintain (enter, update, and delete) data on flight status.

Search:

- To perform searches on passenger's personal information
- To perform searches on passenger's pre health status.

- To perform searches on passenger's travel history details.
- To perform searches on the list of precautions that has to be taken by passengers.
- To perform searches on passenger's post travel health status.
- To perform searches on countries.
- To perform searches on quarantine centres.
- To perform searches on flight details.
- To perform searches on the list of precautions taken by flights.
- To perform searches on food offered in flights.
- To perform searches on flight operations.
- To perform searches on flight staff health.
- To perform searches on airport details.
- To perform searches on flight route details.
- To perform searches on flight status.

Track:

- To track passengers based on their personal information.
- To track if the passengers have fulfilled the prerequisites to get onboard
- To track the measures taken by flights during Covid-19.
- To track the passenger's post travel health and suggest the list of quarantine centres at the destination.
- To track the status of the flight
- To track the flight route.

Report:

- To report passenger's personal information
- To report passenger's pre health status.
- To report passenger's travel history details.
- To report the list of precautions that has to be taken by passengers.
- To report passenger's post travel health status.
- To report countries.
- To report quarantine centres near the destination airport.
- To report flight details.
- To report the list of precautions taken by flights.
- To report food offered in flights.
- To report flight operations.
- To report flight staff health.
- To report the airport details
- To report the flight route details
- To report the flight status details.

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