IGN AND ANALYSIS OF ALGORITHMS

## Avrline Project

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## # Problems faced -

## → User's Perspective:

- 1> Booking and Keservation -

  - How can I book a direct flight between two specific cities.

     What is the process for recovering a seat on a flight?

     Can I book a nound tip ticket easily?

     What are the costs associated with booking, and are those any hidden toes?
- 2.> Hight Information -
  - What are the available direct flights from my current city to a specific destination?
  - How long is the flight duration for a farticular nonte?
  - Can I get information on layouers and connecting flights?
  - How do unexpected changes or concellations due to weather, technical essues, overbooking impact my teravel plane?
- 3.7 Price and Discounts 
   What is the cost of a ticket for a particular evorite?

   Are there any ongoing discounts or promotions?

   Can I find the chaptet available flights within a specific date
  - How do unexpected changes or cancellations impact the overall cost of my trip?

4. Cancellations and Refunds -

- What is the cancellation policy, and how can I cancel ticket?

- Are there any charges for cancelling or changing a neservation

- How does the refund process work, especially in the case of unexpectanges or concellations?

- Is there a policy for campulatation if my luggage gets clamaged cluring the journey?

5.> Baggage and Carry - On -

- What is the baggage allowance for my ticket?

- Are there additional charges for excess baggage?

- Can I begins a cause - a

- Can I being a cavery-on item, and what are the size restrictions?

- How do limited space and comfort impact the overall travel experience?

6.> Hight Status and Delays -

- How can I check the real-time status of my flight?

- What happens if my flight is delayed or cancelled?

- Is there compensation for delays beyond a certain time frame?

- How do turbulences and delays affect the overall tendrel experience?

7.> Travel Documents -

- What documents are required for international flights? - How early should I arrive at the airport for check-in?

8.> Accessibility and Special Needs -- Are there facilities for passengers with special needs?

- How can I suguest assistance for mobility or medical suguinments?
- Are there any considerations for travelling with infants or pets?

## Juline Company's Rempective

Booking System:

- How com we optimize the booking process for useus?

   What algorithms can be implemented to manage seat reservations efficiently.
- It there is mechanism to handle high demand during peak booking times?
- a. flight scheduling.
- How can we optimize the scheduling of direct and connecting
- What algorithms can be used to minimize layever times and improve Dionall 15..... - How ran we adapt the uchedule to accomodate changes in demand?
- 3. Price Opthuberton:
  - What algorithms can be employed for dynamic pencing?
  - How can we implement a pericing utuategy that considere factors like demands, ecasonability, and competitor prizes?
  - It there is mechanism to provide personalized discounts based on user behaviour?

  - 4. Refund and Nancellation System?

     How can we design a wabent system for handling cancellations and sexual?
  - What policies unould be in place to address various somcellation escenarios?
  - Are there automated processes for managing refund nequels.

- 5- Recetornee Sapport and Tuformation Systems:
- How can we enhance the asem expensione through a user-france inkerface!
- What systems can be implemented for neal-time updates on flight information?
- Is there is comprehensive knowledge base for austomer support?
- 6. Operational Officiency:
- How can we afternize quand apenations, including baggage handling and check-in processes?
- What technologies can improve the efficiency of boarding and deboarding?
- Are there estrategies to preduce the envisonmental impact of flights?
- 7. Safety and Survey Hearnes:
- How can we improve sometity measures without compromising parenger experience?
- What systems can be implemented to ensure compriance with aviation regulations?
- How do we handle uneagency situations and communicate effectively
- 8. Data smalytice and Reporting:
- How vom we leverage data analytics to gain ineighte into mer pereferences and behaviours!
- What reporting mechanisms can help in monitoring and improving
- Are there pudletlire analytees tosse to anticipate and address