Search Terms:

1. I want to travel from Bangalore to Delhi on Monday
2. I want to travel to Delhi from Bangalore on Wednesday
3. I want to travel to Delhi from Kolkata on Wednesday and return on Monday
4. I want to travel to Delhi on Monday and return on Wednesday
5. I want to travel to Delhi on Wednesday Morning and return on Monday evening
6. I want to return back on Monday evening from Delhi and fly there on Diwali
7. I want to return on 7th Feb from Delhi

Intents:

One Way search, Return Search

Database:

1. Places: Bangalore, Mumbai, Delhi, Kolkata, Hyderabad, Chennai, Goa
2. Events: Diwali, Christmas, Holi, Valentine's Day
3. Date Formats: dd.mm.yy, dd.mmm.yyyy, dd mmm, ddd mm, +250
    a. Where: dd = 31, ddd = 31st, mm = 03, mmm = mar, mmmm = march, yy = 20, yyyy = 2020 (Pick a ready library)
4. Date Terms: Day of the Week (Example: Monday)
5. Relative Dates: Monday after Diwali, Tuesday after Christmas
6. Personal Events: My Birthday, My Father's Birthday, Bill's Anniversary (Optional)
7. Time:
    a. Morning = 06:00 to 12:00
    b. Early Morning = 00:00 to 06:00
    c. Afternoon = 12:00 to 06:00
    d. Noon = 12:00 (11:00 to 13:00)
    e. Night = 20:00 to 24:00
    f. Evening / eve = 18:00 to 24:00

Result:

1. Search Form for input of query
2. Response in JSON with paraments and follow up questions
3. (URL)
4. Sample Query: I want to return back from Delhi on Monday morning and fly there on Tuesday evening after Christmas
5. Sample Response to above query:
    1. From: Blank (Follow up query)
    2. To: Delhi
    3. Onward: 29-12-2020
    4. Return: 04-01-2021
    5. Onward Departure Time: 18:00 – 24:00
    6. Return Departure Time: 06:00 – 12:00

Notes:

1. Do not use ready NLP engines / solutions
2. Can use ready library for components like date parser