```
                    ┌─────────────────────┐
                    │  Greeting (Good     │
                    │  morning, I am here │
                    │  to help you with   │
                    │  your room may I    │
                    │  know your name)    │
                    └─────────────────────┘
                              │
                              ▼
                    ┌─────────────────────┐
                    │ Name extraction from│
                    │ sentence (My name is│
                    │       yash)         │
                    └─────────────────────┘
                      ╱                  ╲
                    ▼                      ▼
        ┌──────────────────┐      ┌──────────────────┐
        │ I would like to  │      │ I would like to  │
        │   see rooms      │      │   book room      │
        └──────────────────┘      └──────────────────┘
                  │                         │
                  ▼                         ▼
            ◇─────────────◇          ┌──────────────────┐
           ╱ show room and ╲         │   Room type      │
          ◇  ask if they    ◇        │ (deluxe,         │
           ╲ want to book   ╱        │ superdeluxe,     │
            ◇  room        ◇         │ suite)           │
             ◇───────────◇           └──────────────────┘
                  │                         │
              Yes │                         │
                  └──────────┬──────────────┘
                             ▼
                   ┌──────────────────┐
                   │ Collect          │
                   │ Checkin/checkout │
                   │ dates            │
                   └──────────────────┘
                             │
                             ▼
                   ┌──────────────────┐
                   │ Number of room   │
                   └──────────────────┘
                             │
                             ▼
          NO       ◇─────────────────◇    Adults > 3 per room   ┌──────────────────┐
      ◄────────────◇ Number of adults ◇──────────────────────►  │ Sorry only 2     │
                   ◇─────────────────◇                          │ adults are       │
                             │                                  │ allowed in a room│
                   adults < 3 per room                          └──────────────────┘
                             ▼
                   ┌──────────────────┐
                   │ phone number     │
                   │ (details of      │
                   │ customer)        │
                   └──────────────────┘
                             │
                             ▼
                   ┌──────────────────┐
                   │ Special requests │
                   │ for customer     │
                   └──────────────────┘
                             │
                             ▼
                   ┌──────────────────┐      ┌──────────────────┐
                   │   Thankyou       │────► │    Feedback      │
                   └──────────────────┘      └──────────────────┘
```

Few Questions that can be asked by customers:

Q. I want to book a room

A. Sure which room you would like to book

Q. Hey, I would like to book 3 deluxe rooms

A. sure on what date would you like to book your 3 deluxe rooms

Q. I'll book from 18th March to 20th march

OR

Q. Ill want to book on 18th March for 2 nights

A. sure I'll book the room from 18th march to 20th march

Q. Any special request you would like to mention

A. Yes

Q. please tell us your request.

A. I would like early check in

Few Points to remember:

- AI should be able to extract names and phone numbers from sentence
  e.g. My name is Yash and 9876543210 is my number
  - Name - Yash
  - Phone - 9876543210

- It should be able to greet them good morning, afternoon, evening depending on the time

- A chatbot can take multiple inputs and can go outside the flow
  e.g. I would like to book 2 rooms from 18th march to 20th march
  the chatbot should be able to detect them and ask remaining questions (room type, adults, etc.)