**Key Requirements of AI Chat-bot for the Hospitality requirements**:

**Real-time Information:**

The chat bot must provide accurate real-time information about guest inquiries, booking status, and availability of services.

**Reliability:**

The chat bots responses or functions should be reliable in order for the guests and internal staff to interact without glitches to keep the quality at a tier level.

**Notification Mechanism:**

The system should provide a notification mechanism to notify the hotel staff in case urgent requirements from guests, problems in services offered, or special offers.

**Scalability:**

The provided solution should be scalable for different levels of guest interactions and easily integrative into various locations of the hotels.

**User-Friendly Interface:**

An easy-to-use interface for tracking interactions by hotel staff, managing guest inquiries, and viewing analytics should be provided.

**Data Security:**

All data that is transmitted and stored about the guests based on their interaction, should be done over secure lines, making sure all norms and regulations regarding privacy are followed.

**Integration:**

The chat bot has to be integrated with the current hotel management system and other software platforms used for bookings, Customer Relationship Management (CRM), guest service, and et.

**Data Protection Compliance:**

It must Comply with all the regulations concerning protection against data protection-adequate measures have to be taken to ensure guest privacy and data security is never compromised.