**2. Define project scope and constraints**

* **Characteristics of system**

1. Maintain the medical records of the patient
2. Maintain the contact details of the patient
3. Keep track of the appointment dates
4. Save the insurance information for later reference
5. Tracking the bill payments.
6. Time-saving Technology
7. Improved Efficiency by avoiding human errors
8. Reduces scope for Error
9. Data security and correct data retrieval made possible
10. Cost effective and easily manageable
11. Easy access to patient data with correct patient history
12. Improved patient care made possible
13. Easy monitoring of supplies in inventory
14. Reduces the work of documentation
15. Better Audit controls and policy compliance.

* **Features of system**

1. **Registration of new user**

User could be one of the following

Doctor – Patient - Laboratory physician - Radiology doctor – Pharmacist

1. **Appointment Management**

 Patients visiting the hospital’s website can book online appointments with ease.

1. **Billing and Insurance  Management**

Integrated Billing with treatments, Lab and Radiology. Option to bill before and after consultation.

1. **Prescription Management**

Manage commonly and recently used medicines. Option to show medicines available in the pharmacy

1. **Lab Management**

Comprehensive Lab Management handles complete order management, Custom Reports, Smart Notifications

1. **Artificial Intelligence Detection**

Use AI in detection of Pneumonia disease by uploading X-Ray of patient.

1. **Integrated interface and distinct user roles**

MediBooki Information system offers people with privacy and data security. Implementing them will help to empower clear and smooth functionality. It means the patient data is safe and can be accessed only by limited people with authentication.

1. **Support Multilingual**

The system support two languages **Arabic** and **English**

**How are we unique ?**

* Optimize, manage, and track personal and financial hospital resources
* **No** chance for **duplicated** patient files and data.
* Optimize different allocation of resources, namely **beds**, **rooms**, and **doctors**.
* Manage **lab tests**, and **consultation** of different specialties like cardiology and more.
* Build actionable treatment plans with reminders and targets for patients, staff, and doctors to enhance adherence.
* Manage appointment time slots and timings by lab, clinic, and doctor.
* Access to your portal through our mobile apps.
* You will find support in how to use our website in **Chatbot**
* Fast **detection** of pneumonia disease
* **Discounts** on many services