

A full hospital management system is a very large and complex project. It's not s

****I. Project Details & Considerations:****

1. ****Requirements Gathering:**** Before writing any code, you need a detailed sp

- * ****Functionality:**** What features will your system have? (patient registration,
- * ****Users:**** Who will use the system? (doctors, nurses, administrators, patient
- * ****Database Design:**** How will you store the data? (Relational database like
- * ****User Interface (UI):**** How will users interact with the system? (web-based
- * ****Security:**** How will you protect patient data? (access controls, encryption
- * ****Scalability:**** How will the system handle a growing number of users and c

2. ****Technology Stack:****

- * ****Backend:**** Python (with frameworks like Django or Flask), Java, Node.js, I
- * ****Database:**** MySQL, PostgreSQL, SQLite, MongoDB, etc.
- * ****Frontend:**** HTML, CSS, JavaScript (with frameworks like React, Angular,

3. ****Development Process:****

- * ****Agile methodology:**** Iterative development with short sprints.
- * ****Version control:**** Use Git (GitHub, GitLab, Bitbucket) to manage your cod
- * ****Testing:**** Thorough testing is crucial to ensure the system's reliability and

****II. Basic Python Example (Patient Registration with SQLite):****

This example shows a simplified patient registration using Python and SQLite. It

```
```python
import sqlite3

def create_table():
 conn = sqlite3.connect('hospital.db')
 cursor = conn.cursor()
 cursor.execute("""
 CREATE TABLE IF NOT EXISTS patients (
 id INTEGER PRIMARY KEY AUTOINCREMENT,
 name TEXT NOT NULL,
 dob TEXT,
 address TEXT,
 phone TEXT
)
 """)
 conn.commit()
```