**Assignment No. 3**

**Intro to SE**

**Sec A, B, C**

**Hospital management system**

A hospital management system, is an integrated system that encompasses many aspects of hospital undertakings, including checkups, prescriptions, appointments, and information on the patients and their caretakers.

You are directed to draw uml use cases, and class diagram that provide a simple view of how the primary processes operate with each other over time.

Detailed description for **DFD**

Patient takes appointment from receptionist on reception. Receptionist takes appointment from doctor and confirm to patient.

Patient consults doctor. Doctor treats and prescribes medicine or tests. Patient participates in tests and return report update patient record. Doctor views report and prescribe operation or prescribe more tests

Patient undergoes operation. And pay fee on reception.

Detailed description for **class diagram**

A hospital management system that maintain record of patient and surgeons normally of two types, senior surgeon and non-senior surgeon. Patient undergoes operation by a particular surgeon and gets admitted to a ward nurses are assigned to wards.

Also draw use case diagram of above system.