Assignment 1

- Develop an initial business model using use case diagram for following case study.

PROBLEM DESCRIPTION

A clinic is in the business of providing special dental services to the patients. The clinic has a panel of doctors which visit the clinic on specific days and time. Doctors can register themselves with the clinic by applying to the clinic. If registered they are issued a registration number. The clinic tries to provide the latest techniques to its patients. In order to do so, whenever a new technology or technique for treatment is announced, the management adds it to clinic. The patients can take appointment for a doctor either telephonically or personally. The clinic staff checks the availability of doctor on requested date and time and if available gives the appointment to the patient. Every day in the evening, schedule of appointments of different doctors is printed and mailed to them. Similarly appointment schedule of different patients for next day is printed and patient are reminded about their appointment telephonically. A patient can also cancel his appointment. In that case the concerned doctor is informed about the revised schedule. The patient on scheduled date and time visits the clinic and doctor performs the necessary services on him/her. If the patient is coming to the clinic for the first time, clinic registers information about the patient and allocates a unique registration code for future reference. The doctors are also allowed to access the system for retrieving the patients records in order to check the treatment given to them on their past visits. After giving the required treatment/services to the patient, the doctor records the same and medicines prescribed etc. in a format given by the clinic and gives back the same to the clinic. This is required by the clinic to update patients visit records for future reference. In case patient is asked by the doctor to come for checkup, next appointment is given to the patient and is also recorded in the visit details. Patient also deposits the consultation fee and charges for other services at the reception and staff member issue a receipt to the patient. Whenever a new technique or technology is introduced at the clinic, details are added to the system and patients are also informed by post. Every 15 days a report is printed about the payment to be made to the doctors. Once the payment is made to the doctor details are also added to the system.