

DESIGN AN USE CASE DIAGRAM FOR THE FOLLOWING

UID Number Automation System:

UID Number Automation System: To simplify the process of applying for a UID Number, a software system has to be created. Initially the applicant will login to the UIDN system and book an appointment to visit the local UIDN centre. The official at UIDN centre, on verifying the appointment, uploads the documents and biometrics of the applicant to the system. The backend officials then verify the documents and approve application which results in an UID number being assigned to the applicant. After the UID number is assigned, the backend official will print and dispatch the UIDN card to the applicant. The official can send an e-copy of the card to the cardholder if he/she has requested for the same in the application. At any time after receiving the card, the card holder can request update to their details in the system. For details other than biometric, the card holder themselves can upload the required documents on the system, which will then be processed by backend officials and new card with updated details is issued. For biometric details update, the card holder has to take an appointment to visit the local UIDN centre. The official at the centre then initiate update to biometric details. Any third-party organization can request authentication of the user in two ways. 1. Given an UID number, fetch basic details like Name, Age, and Gender etc. 2. Given a biometric fingerprint, fetch the last four digits of the UID number along with the Name

DESIGN A CLASS DIAGRAM FOR THE FOLLOWING HOSPITAL MANAGEMENT SYSTEM

Introduction:

The hospital has several specialized departments like Cardiology, Gynecologic, Orthopedics, Pediatrics, ENT etc. OPD is another independent department. A doctor is only associated with one specialized department at a time though he/she can be a member of the OPD (Outside Patients Department) department. Each doctor has a visiting time and day in a week. At reception the patient details are entered and the fees are also taken and the patient is tracked on the basis of the Id generated.

Functional Requirements:

- In routine a patient can visit the doctors either directly selecting a doctor or by getting admitted to the hospital and then a doctor visits the patients. A doctor can prescribe tests for the patient to perform.
- The patient visits the lab to get done the tests prescribed by his/her doctor. The reports are given to the patient. The payments pertaining to the tests are done at the reception. Referring the reports, the doctor prescribes the patient medicines or further tests or is asked to get admitted.
- A patient is admitted into a ward of a specialized department (if available) as per the doctor's prescription. The number of wards is limited and if there is no vacant ward the admission of the patient is rescheduled.
- As per the prescription of the doctor the patient is operated on a specified date and time as decided by the doctor who is doing the operation.
- After the completion of the treatment a patient may get discharged on an advice of a doctor and upon the complete payment of all due charges at the reception. On payment of full dues the reception generates a discharge ticket for the patient.
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