**Hospital Management System**

**Roles**:

* Patient
* Doctor
* System administration

**Requirements**:

* Patient can have a appointment with a doctor using a token having expiry date of 3 days and patient can visit doctor within any those three days.
* Token will be generated from system administrator.
* Token has following properties
  1. Information of patient, selected doctor, expiry date and status weather active or expired, and a random token number.
* System administrator can delete a token.
* System administrator also update patient token with 2 scenarios.
  1. If the token against a patient is not expired yet, just update the old token with new information and the expiry date will remain the same.
  2. If the token against a patient is expired, then generate a new token with a new expiry date for the next three days and maintain the record of old token.

Note: If the token is not expired yet and the patient wants an appointment with another doctor then the system administrator simply updates the current token (if exist) against different doctor and same token will be used as told in point 1. But after expiry date is crossed, token will be regenerated as told in point 2.

* After the appointment is completed with a doctor using a token now patient have to take a script against that appointment. Script has following properties.

1. Doctor record, patient record and token record against which script is going to generate.
2. And it also has disease diagnosed information against patient and medicines that are suggested to the patient.
3. It also has visit date when the person visited doctor and total bill for an appointment.