**AN IDEAS – MODULAR MEDICAL APP**

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| **STACK** | |
| **Application Server:** | Apache Tomcat |
| **View (MVC):** | Angular JS |
| **Database:** | MySQL |
| **Hosting:** | TBD (AWS) |
| **Version control:** | GitHub (https://github.com/tideas/raams) |

**Problem Statement:**

* Everyone visits lot of doctors for general consultation and this will be typically private clinic without any major setup(10\*10 size room)
* Doctors problem
  + Not able to keep track of his patients details
  + Not sure whether the treatment given by him works or not
  + No historical clinical data
    - Doesn’t know the history of the patients medical record like BP, Sugar, Cholesterol, weight, height etc
    - Also doesn’t know which medicine works best for the patient
  + Doesn’t have any data to perform his own planning like on what month, day, time when he gets most of his patients
  + Doesn’t have any data on what age group of patients he is dealing with
  + Doesn’t have any insight into how much patients he is dealing on a day to day basis
* Patients Problem
  + Reading doctors prescription
  + Need to keep the prescription safely and securely and need to carry it wherever he goes. After some time loses it as well
  + Can contact doctor online if the medication given is not working properly. He can give status to doctor online. Doctor can review and give suggestions
  + Biggest pain is if we can solve the queue problem. Basically we get an appointment (e.g: token 10) we have no clue to figure how tokens have gone and have to go and keep checking
* Add on functionalities
  + Notification to patients whenever things like vaccinations are getting due
  + Mobile based application

Charging Model: We charge doctors Rs 500 and raise it based on their usage.

**Detailed Requirements:**

* To be finalized.

**Modules:**

* Registration/Login
* Capture and track doctor information
* Capture and track patient information
* Appointments and token tracking
* Notification/SMS integration
* Data analysis

**Responsibilities for each module:**

* Come up with high level requirements for this module
* Design for this module
* DB structure
* UI design
* Integration design with other modules