**Business Requirement Specification**

**For HaMSa**

**Version 0.1**

**29 December 2009**

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| Appointment concept as per current implementation  **New functionalities for “Create appointment”** | Creating New Appointment  **Follow up** | In order to create a new appointment following things need to be configured in the system –   1. Doctor 2. Roster must be associated with the doctor   Based on the available slot on the selected appointment date, appointment can be taken. After confirming the appointment, receipt can be issued which displays all the open receivables (including consultation charges of the selected doctor of selected specialty) of the patient.  While creating new appointment following information can also be provided –   1. Referral – if any , then user may specify referral name 2. Appointment type – Follow up , Primary   No business logic is implemented for Follow up.   1. Booking type – Telephonic , walk in   If telephonic, telephone number is not being captured.  Once the appointment has been created , it can be   1. **Viewed** – User can only view the appointment details irrespective of the appointment status. 2. **Modified** – User can modify the status of the appointment “Doctor has seen patient”. Other details can’t be modified. Once the status of the appointment is changed to this status, Doctor can enter the consultation details (Prescription details, Clinical Prescription details & Observation details) of the patient. 3. **Canceled** – On appointment cancellation, the status of that appointment is changed to cancel and the booked slot of the doctor is freed. 4. **Rescheduled** – Appointment can be rescheduled to future available slot, if any, on the future selected date or on the same date. In this case current status of the appointment is changed to “Rescheduled” and a new appoint with “Confirmed” status is created.   **There should be a configurable way of defining follow-up rules**   * **The follow-up period is usually defined at hospital level** * **The follow-up rule may be overridden at doctor/specialty level just like consultation charges.**   **Some of the hospitals put the charges for the follow up. For example they can put Rs 200 for the consultation charges and 20 for follow up. If no charge has been defined, Rs 0 will be follow up charges.**  **Also, some hospitals have fixed timing for the follow up appointments, for example, they can put day time for primary consultation and evening time for follow ups. In such scenario we need to restrict the user in creating appointments for follow ups in the slots which are not dedicated for it.** |  |
|  | **Round Robin selection of Doctors for consultation** | **In case we are specifying appointment as Follow up we should also capture the appointment no./ admission no. for which follow up appointment is being created. We should also capture the follow up type (Consultant, Admitted). If admitted then admission number must be provided.**  **The follow-up or primary consultation can be decided based on two parameters**   * **Number of days from primary consultation (for example for before next 25 days after consultation, the appointment would be considered as follow-up)** * **Number of visits within the allowed number of days**   **There should be a way to select doctor’s name automatically**  **Patient comes to hospital to see a doctor in a particular specialty of OPD ward**   * + **He/she doesn’t know any doctor’s name or he/she doesn’t have any preference about the doctor**     - **The round-robin method should be used to assign doctors available during that period to the patient**   **Doctor’s slot may overlap for example**  **Doc1 -> 8am – 12 pm**  **Doc2 -> 10am - 13pm**  **Doc3 -> 12pm – 14pm**  **In such scenario if a patient comes at 10 am, he can have consultation with one of the two doctors (Doc1 or Doc2) and if he comes at 12 pm, then he can have the consultation with any one of the three doctors.**  **Using round robin algorithm we need to display the name of the doctor which has highest probability and rest of the doctors should come in alphabetical order so that if the patient has preference over the doctors, user can select him/her from the drop down.**   * + **He/she wants to be seen by a specific doctor**     - **In this case we allow assignment of that particular doctor to the patient – depending on slot (if hospital uses doctor roster and slot concept) available with the doctor** |  |
|  | **In modify / view appointment**  **In create appointment**  **Future Enhancements** | **Changing appointment status and consultation details**   * + **Following checkbox should be enabled by default**      1. **The patient came to visit doctor**     2. **The patient visited doctor**        - **Selecting this should disable “patient came to visit”**     3. **Doctor has seen patient**        - **Selecting this should disable other two**   + **The doctor should be able view/edit consultation details any time. Others should not be able to edit consultation details.**   **Patient’s registration status needs to be captured while creating new appointment. This status must be active.**  **If booking type is phone number, we need to capture the number for future communication with the patient regarding appointment.**  **In some of the hospitals doctor may like to go for time blocks instead of time slots. For example the doctor may have the preference of time block of 30 min which comprises of 3 time slots of 10 minutes. In this case doctor may opt for 2-3 mins of consultation per patient rather than 10 min. This concept we need to incorporate and this should be configurable as per hospitals operation.**  **In such scenarios, patients can be assigned token numbers which could be displayed on the display machine to intimate the patients about the current and next token number.** |  |