**Business Requirement Specification**

**For HaMSa**

**Version 0.1**

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# Introduction

## Background

## Intended Audience

## Abbreviation and Terminology

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| **Acronym** | **Description** |
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# Business Requirements

## Business Objective

## Scope of this BRS

## Statement of Business Requirements

| Source Identifier[[1]](#footnote-1) | Requirement Identifier | Business Requirement | Remarks |
| --- | --- | --- | --- |
| Administration | | | |
| Referral Management | Referral type | System must allow the following are types of referral types:   * Doctor * Clinic * Hospital * Public Relationship * Old patient |  |
|  | Configuring Referral | System must allow configuring the following attribute for each referral.   * Name * Referral type * Qualification * Preferred contact time * Contact details   + Address   + City / District   + State   + Country   + PIN CODE   + Phone number   + Mobile number   + Fax number   + Email address   System must allow categorizing the items on which hospitals might like to share revenue with the referring entities. For each item, commission value and the commission type (Percentage/Absolute) must be configurable.  System must maintain the history of the commission configuration for a referral. This is to enable the real calculation of the commission for a referral over a period, considering the commission configuration changes.  System must allow maintaining a financial account for each referral in the accounting system. |  |
|  | Manage Referral | System must allow viewing the list of all the referrals configured in the system.  System must show only active referrals in the search results or in any other window.  System must allow searching for a referral. The search criteria must include :   * Name * Referral type * Preferred contact time * Address * City / District * State * Country * PIN CODE |  |
|  | Edit Referral | System must allow editing the referral. System must not allow editing the referral type and the referral name. |  |
|  | Delete Referral | System must allow the deletion of the referral entity, if that referral is not being used in the system. Otherwise, system must allow inactivating that referral. |  |
|  | Process commission |  |  |
| Vaccination |  | * System should maintain a list of vaccinations * Each vaccination should have the following attributes   + Code - Unique   + Name   + Age (range), at which this vaccination should be given.   + Substitute for – Instead of which vaccination this vaccination should be used now onwards.   + Active – A flag to indicate if this vaccination would be available to be part of any new vaccination schedules or not |  |
|  | Add vaccination | * If the vaccination is being created with supplement for vaccination   + All the vaccination schedules needs to be updated accordingly (Replace the vaccination with the substitute vaccination).   + Replace the vaccination in all the patient vaccination schedules, in case the vaccination is not given to patient yet.   + If the substituted vaccination was already rendered to the patient then do not add the substitute in the patient’s immunization schedule. |  |
|  | Edit vaccination | * System should not allow editing vaccination code. * System should allow editing the following attributes of vaccination.   + Vaccination name   + Age   + Active flag   + Substitute for – When the user is changing this attribute for a vaccination,     - All the vaccination schedules needs to be updated accordingly (Replace the vaccination with the supplement vaccination).     - Replace the vaccination in all the patient vaccination schedules, in case the vaccination is not given to patient yet.     - If the substituted vaccination was already rendered to the patient then do not add the substitute in the patient’s immunization schedule. |  |
|  | Delete vaccination | * This vaccination will be marked as INACTIVE * This vaccination needs to be deleted from all the vaccination schedules. Instead of physically deleting, it will be marked as deleted. * This vaccination needs to be deleted from all the patient vaccination schedules, in case this vaccination is not given to the patient. |  |
|  | Search vaccination | * User should be allowed to search for the vaccinations with the below criteria.   + Vaccination name   + Age   + Substitute for   + Active flag. |  |
| Vaccination schedule |  | * Each vaccination schedule should have the following attributes.   + Schedule name- Unique   + Schedule description   + Age group – to indicate to which age group people this vaccination schedule can be suggested.   + Active – A flag to indicate if this vaccination schedule would be available for the patients or not.   + List of vaccinations.     - A vaccination schedule should have at least one vaccination.     - Each vaccination should have following attributes       * Dosage       * Vaccination type       * Age at which the vaccination should be given (e.g. Birth, 4 weeks, > 15 months, 15-18 months, 2 years, etc.)       * Period from start date when this vaccination is due |  |
|  | Add vaccination schedule | * System should allow configuring vaccination schedules. |  |
|  | Edit vaccination schedule | * System should allow editing a vaccination schedule basic details, except its name. * Editing list of vaccinations   + If the user is adding any vaccination to a vaccination schedule, the same vaccination has to be automatically assigned to all the patient vaccination schedules, in case that patient vaccination schedule is not in completed status.     - If the user has already crossed the calculated due date (i.e. due date is in past) then do not add this into the patient’s schedule   + If the user is deleting any vaccination from a vaccination schedule, the same vaccination has to be automatically unassigned from all the patient vaccination schedules, in case that patient is not given that vaccination. |  |
|  | Deleting a vaccination schedule | System must allow the deletion of the vaccination schedule, if it has not been assigned to any patient. |  |
|  | Inactivating a vaccination schedule | System should allow inactivating a vaccination schedule, making this vaccination not available for patients. |  |
|  | Search vaccination schedules | * User should be allowed to search for the vaccination schedules with the below criteria.   + Vaccination schedule name   + Vaccination schedule description   + Age group   + Age   + Active flag   + Vaccination code |  |
| Patient vaccination schedule management |  | * System should allow assigning a vaccination schedule to a patient. * System should allow assigning the same vaccination schedule to a patient multiple times. |  |
|  | Add a vaccination schedule to a patient | * System must allow assigning a vaccination schedule to a patient. During this assignment process, system should capture the below details:   + Patient ID   + Vaccination schedule name   + Start date – When this vaccination schedule would get active to the patient.   + Doctor name – who is assigning this schedule t o a patient.   + Status – can be NOT\_STARTED, PARTIALLY\_COMPLETED, COMPLETED * System should not allow assigning inactive vaccination schedules to a patient. |  |
|  | Edit patient vaccination schedule | * System should allow editing the following details of a vaccination schedule assigned to a patient.   + Start date of the vaccination schedule.     - This should be done only when none of the vaccination has been rendered     - If start date is changed then the vaccination due date must be adjusted accordingly   + For each vaccination inside the vaccination schedule, the following details can be edited.     - Due date – This can be allowed only when the given date is not yet entered.     - Given date     - Doctor comments |  |
|  | Delete patient vaccination schedule | * Vaccination schedule can be deleted from the user, in case that patient vaccination schedule is in yet to start status. * Particular vaccination can be cancelled from the patient vaccination schedule, in case that vaccination has not been given to patient. * If the patient vaccination schedule is yet to start and the user cancels all the vaccinations of that schedule then that schedule needs to be deleted for the patient. |  |
|  | Alerts | * System should provide the integration with the various communication channels like SMS, email to remind the patient about the vaccination consumption date. Due date will be used for this purpose. * The interval time between sending the message and the due date needs to be configured at the system level. |  |
| Reports | | | |
| Referral management | Commission report | System must allow generating a report for a particular referral entity. The criteria must include the below attributes:   * Name * Referral type * From date ( includes time) * To date ( includes time)   The following details must be shown in the report:   * Name * Referral type * From date ( includes time) * To date ( includes time) * Qualification * Contact details * List of referral events   + Date of the event   + Patient name   + Item on which commission is being given   + Commission amount * Total commission amount * Commission configuration details based on which the commission amount had been calculated. |  |
| Vaccination schedule / Immunization |  | System must allow generating a report of a vaccination schedule for a patient. The criteria must include the below attributes:   * Patient ID. * List of vaccination schedule   The following details must be shown in the report:   * Patient ID * Patient name * Age * Gender * Doctor name * Details of the vaccination schedule, including the overall status * Details of the vaccinations which are part of the vaccination schedule.   + Age   + Vaccination name   + Due date   + Given date   + Doctor comments. |  |

## Exclusions

## Assumptions

## Outstanding Issues

# References

# Document History

## Document Summary

|  |  |
| --- | --- |
| Synopsis: |  |
| Author: |  |
| Project: |  |
| Document ID: |  |
| Filename: |  |
| Confidentiality : |  |

## Revision History

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| --- | --- | --- | --- |
| Date | Author | Version | Comment |
|  |  |  |  |
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# Signatures

AGREED TO:

|  | **Walking Tree Consultancy (WTC)** |  |  |
| --- | --- | --- | --- |
| Signature |  |  |  |
| Name |  |  |  |
| Title |  |  |  |
| Date |  |  |  |

1. [↑](#footnote-ref-1)