



## Diagnostic Medicare Center Manager

### Business Requirements Document

# V1.0

	Prepared By / Last Updated By	Reviewed By	Approved By
Name	Cognizant Academy		
Role			
Signature			
Date			

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# 1.0 Introduction

## 1.1 Purpose of this document

This document is aimed at:

- Providing the necessary inputs to the detailed requirements gathering phase and further on for the SDLC processes.
- This document also serves to establish the traceability between the Business Objectives and the requirements identified in the proposed solution and how they satisfy the stated objectives.
- Provide expectation traceability in terms of the requirements and the user expectation
- Serves as a formal template for documenting the Business Requirements which also includes statutory and regulatory requirements.

The purpose of this document is to systematically capture requirements for the project and the system to be developed. Functional requirements are captured in this document. It also serves as the input for the project scoping.

## 1.2 Project Overview

### 1.2.1 Objectives

Below are the objectives that shall be fulfilled post the execution of this project:

Diagnostic Medicare Center Management system will create and maintain Customer and Doctor information.

- Create and maintain customer and doctor information.
- Search for the Medicare services.
- Customer applies for the Health Checkup.
- Customer can search for agent.
- Customer/Doctor will view the result.

## 1.3 Intended Audience

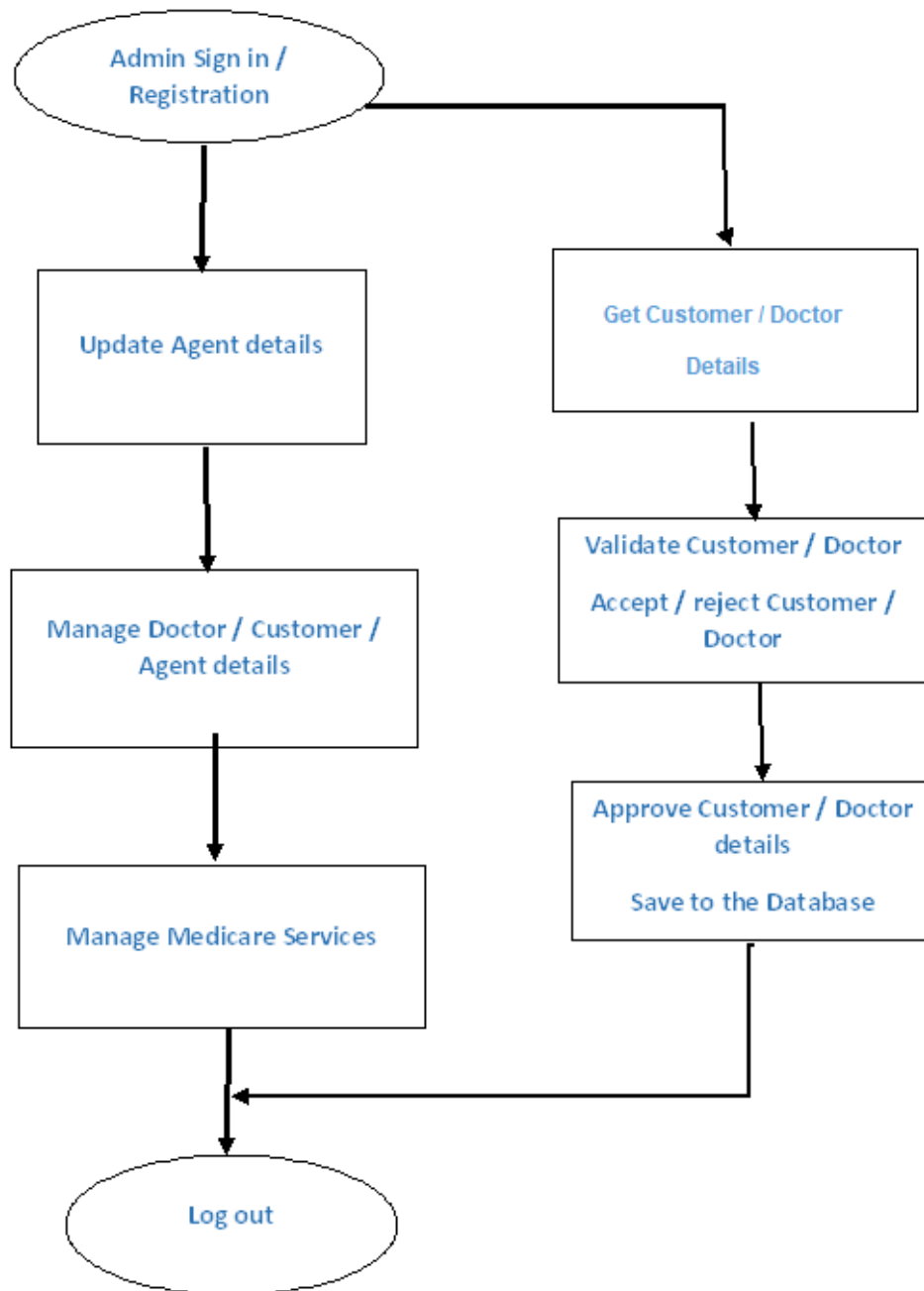
- All member of the project.
- Delivery Assurance Group.

## 2.0 Process Architecture

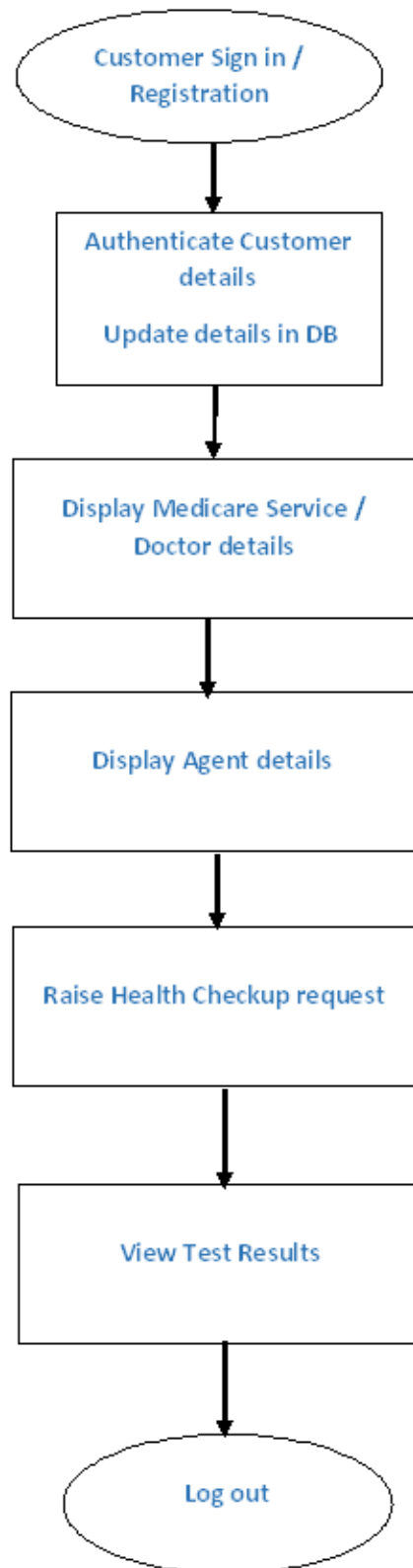
Below is the overall functional flow of the project including the components of interaction

- Create Customer Registration page & Authentication.
- Create Admin Registration page & Authentication.
- Create Doctor Registration page & Authentication.
- Get and manage Doctor details.
- Update medical service details.
- Get and manage Agent Details.
- Raise Check up request.
- Doctor / Admin to upload the test results.
- Option to view the Test results for Customer / Doctor.
- Update / delete/ maintain Doctor / Customer/ Medical Service info
- Disconnect on log off.

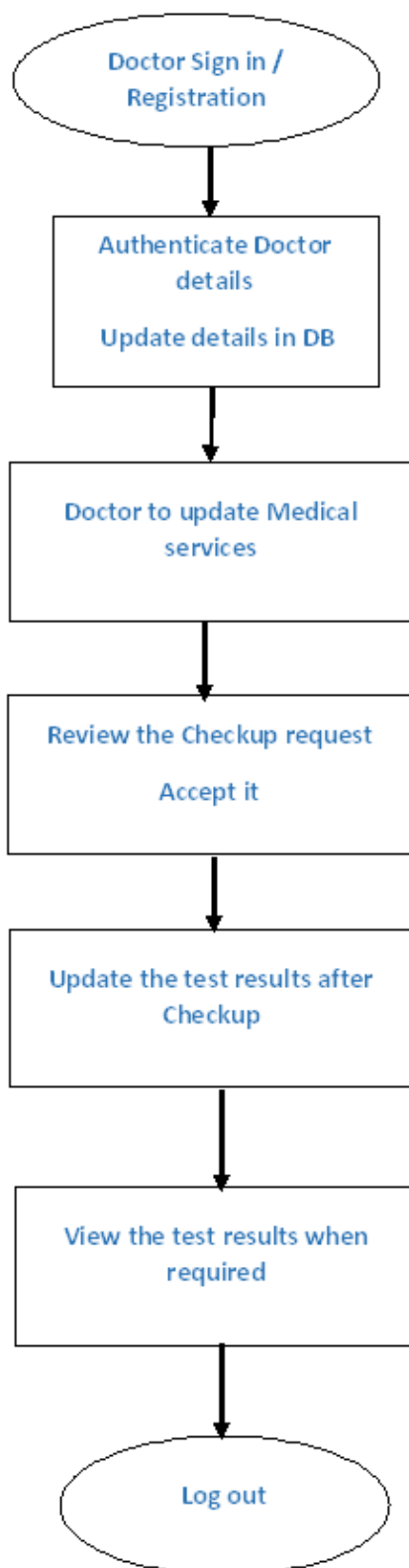
## Admin Process flow



## Customer Process Flow



## Doctor Process flow



## 3.0 High Level Business Requirements

Note - Primary focus is to complete developing the critical requirements (highlighted in Yellow) and then to proceed with the remaining requirements.

S.No.	Business Requirement ID	Short Description	Description in detail	Interacting Business Processes
1	Req_1	Initial Selection	Ability of the system to allow to Customer to choose Admin/Customer/Doctor Login/Registration	
2	Req_2	Customer Registration	Ability of the system to procure the fundamental details of the Customer	
3	Req_3	Customer Authentication	Ability of the system to authenticate the Customer credentials of the registered Customer	
4	Req_4	Doctor Registration	Ability of the system to procure the fundamental details of the Doctor	
5	Req_5	Doctor Authentication	Ability of the system to authenticate the Doctor credentials of the registered Doctor	
6	Req_6	Admin Registration	Ability of the system to procure the fundamental details of the Admin	
7	Req_7	Admin Authentication	Ability of the system to authenticate the credentials of the registered Admin	
8	Req_8	Update Medicare Service Details	Ability of the system to allow doctor to update the Medicare service Details	
9	Req_9	Update Agent details	Ability of the system to allow Admin to update Agent Details	
10	Req_10	View Medicare Service/ Doctor / Agent details	Ability of the system to list Medicare service / Doctor / Agent details to the Customer.	
11	Req_11	Raise Checkup request	Ability of the system to allow Customer to raise Check up request	
12	Req_12	Update Test results	Ability of the system to allow Doctor to update the Test result.	
13	Req_13	View Test Result	Ability of the system to allow customer / doctor to view the updated test result.	
14	Req_14	Customer / Admin logoff	Ability of the system to enable Customer / Admin to logoff	



## 4.0 Detailed Business Requirements

### 4.1 Functional Requirements

The Requirements in this document are prioritized as follows:

Value	Rating	Description
1	Critical	This requirement is critical to the success of the project. The project will not be possible without this requirement.
2	High	This requirement is high priority, but the project can be implemented at a bare minimum without this requirement.
3	Medium	This requirement is somewhat important, as it provides some value but the project can proceed without it.
4	Low	This is a low priority requirement, or a "nice to have" feature, if time and cost allow it.
5	Future	This requirement is out of scope for this project, and has been included here for a possible future release.

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_1.1	Initial selection	Screen should display the option for Admin login / Registration and Customer login / Registration Doctor login / Registration	UI	Critical	NA	Req_1	
Req_2.1	Customer Registration	When the Customer clicks on the registration link, it should re-direct to registration form.	UI	Critical	NA	Req_2	
Req_2.2	Customer Registration	Customer needs to fill some of the basic attributes/fields as mentioned below in requirement: First Name, Last Name, Age, Gender, Contact Number, Customer Id, Password	UI	Critical	NA	Req_2	Please refer to Table 1.0 under References
Req_2.3	Customer Registration	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_2	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_2.4	Customer Registration	Customer failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	E	Medium	NA	Req_2	
Req_2.5	Customer Registration	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_2	
Req_2.6	Customer Registration	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_2	
Req_2.7	Customer Registration	Admin should be able to view the New Customers for registration	F	Critical	NA	Req_2	
Req_2.8	Customer Registration	Admin should approve / reject the Customer Request.	F	Critical	NA	Req_2	
Req_2.9	Customer Registration	If rejected, the Customer should not be allowed to login with the registered credentials	F	Critical	NA	Req_2	
Req_2.10	Customer Registration	Customer should get SMS on Approval / Rejection	E	Medium	NA	Req_2	
Req_3.1	Credential Authentication	A registered Customer – is able click 'Login' link, after keying in 'Customer ID' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Critical	NA	Req_3	
Req_4.1	Doctor Registration	When the Doctor clicks on the registration link, it should re-direct to registration form.	UI	Critical	NA	Req_4	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_4.2	Doctor Registration	Doctor needs to fill some of the basic attributes/fields as mentioned below in requirement: First Name, Last Name, Age, Gender, Contact Number, Doctor Id, Password	UI	Critical	NA	Req_4	Please refer to Table 2.0 under References
Req_4.3	Doctor Registration	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_4	
Req_4.4	Doctor Registration	Doctor failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	E	Medium	NA	Req_4	
Req_4.5	Doctor Registration	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_4	
Req_4.6	Doctor Registration	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_4	
Req_4.7	Doctor Registration	Admin should be able to view the New Doctors for registration	F	Critical	NA	Req_4	
Req_4.8	Doctor Registration	Admin should approve / reject the Doctor Request.	F	Critical	NA	Req_4	
Req_4.9	Doctor Registration	If rejected, the Doctor should not be allowed to login with the registered credentials	F	Critical	NA	Req_4	
Req_4.10	Doctor Registration	Doctor should get SMS on Approval / Rejection	E	Medium	NA	Req_4	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_5.1	Credential Authentication	A registered Customer – is able click 'Login' link, after keying in 'Customer ID' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Critical	NA	Req_5	
Req_6.1	Admin Registration	When the Admin clicks on the registration link, it should re-direct to registration form.	UI	Critical	NA	Req_6	
Req_6.2	Admin Registration	Admin needs to fill some of the basic attributes/fields as mentioned below in requirement: First Name, Last Name, Age, Gender, Contact Number, Vendor Id, Password	UI	Critical	NA	Req_6	Please refer to Table 3.0 under References
Req_6.3	Admin Registration	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_6	
Req_6.4	Admin Registration	Admin failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	E	Medium	NA	Req_6	
Req_6.5	Admin Registration	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_6	
Req_6.6	Admin Registration	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	E	Medium	NA	Req_6	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_7.1	Credential Authentication	A registered user – is able click 'Login' link, after keying in 'Admin ID' & 'Password' field and get his credentials authenticated with the existing database entry.	F	Critical	NA	Req_7	
Req_8.1	Update Medicare Service Details	On clicking "Create Medicare Service", it should redirect to the Medicare Service Details Update Page	UI	Critical	NA	Req_8	
Req_8.2	Update Medicare Service Details	Doctor should be able to update the mandatory fields of the Medicare Service	F	Critical	NA	Req_8	Please refer to Table 4.0 under References
Req_8.3	Update Medicare Service Details	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_8	
Req_8.4	Update Medicare Service Details	Doctor failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	F	Critical	NA	Req_8	
Req_8.5	Update Medicare Service Details	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_8	
Req_8.6	Update Medicare Service Details	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	F	Critical	NA	Req_8	
Req_9.1	Update Agent Details	On clicking "Create Agent", it should redirect to the Agent creation Page	UI	Critical	NA	Req_9	
Req_9.2	Update Agent Details	Admin should be able to update the mandatory fields of the Agent	F	Critical	NA	Req_9	Please refer to Table 5.0 under References

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_9.3	Update Agent Details	Clicking 'Submit' should validate the datatype constraints for each field	F	Critical	NA	Req_9	
Req_9.4	Update Agent Details	Admin failing to provide information on the mandatory fields be provided with an alert message – 'Please update the highlighted mandatory field(s).' Also, highlight the missed out field in red	F	Critical	NA	Req_9	
Req_9.5	Update Agent Details	Post-successful field level validation, save the information in the database	F	Critical	NA	Req_9	
Req_9.6	Update Agent Details	Upon saving the information in the database, display the message 'Your details are submitted successfully'.	F	Critical	NA	Req_9	
Req_10.1	View Medicare Service/ Doctor / Agent details	On clicking View Medicare services, the page should list all the medicare services available	UI	Critical	NA	Req_10	
Req_10.2	View Medicare Service/ Doctor / Agent details	By Clicking the Medicare ID, it should list all the details of the Medicare services	F	Critical	NA	Req_10	
Req_10.3	View Medicare Service/ Doctor / Agent details	On clicking View Doctor, the page should list all the doctors available	F	Critical	NA	Req_10	
Req_10.4	View Medicare Service/ Doctor / Agent details	By Clicking the Doctor Id, it should display all the details of the doctor	F	Critical	NA	Req_10	Please refer to Table 5.0 under References
Req_10.5	View Medicare Service/ Doctor / Agent details	On clicking View Agent, the page should list all the Agents available	F	Critical	NA	Req_10	

Req. #	Rationale Categorization	Business Requirement	Req. Type *	Priority **	Originator ***	BR Traced to Business Requirement / Use case ID	Impacted Stakeholders
Req_10.6	View Medicare Service/ Doctor / Agent details	By Clicking the Agent Id, it should display all the details of the Agent	F	Critical	NA	Req_10	
Req_11.1	Raise Checkup request	When Member Clicks on Raise Checkup request link, it should redirect to the Request creation page	F	Critical	NA	Req_11	
Req_11.2	Raise Checkup request	Customer should be able to fill in the necessary fields, select date, doctor and Medicare service and submit the request	F	Critical	NA	Req_11	Please refer to Table 6.0 under References
Req_11.3	Raise Checkup request	Doctor should be able to view the Checkup request and approve it	UI	Critical	NA	Req_11	
Req_11.4	Raise Checkup request	Appointment will be fixed for the Customer on the selected date on approval and message will be sent to the customer	UI	Critical	NA	Req_11	
Req_12.1	Update Test results	On clicking the Checkup request ID, Doctor should have the option to update the test results	F	Critical	NA	Req_12	Please refer to Table 6.0 under References
Req_13.1	View test results	On clicking the Checkup request ID, Doctor / consumer should be able to view the test results	UI	Critical	NA	Req_13	Please refer to Table 6.0 under References
Req_14.1	Supplier / Admin Log off	Option to log off from the system.	UI	Critical	NA	Req_14	

## 5.0 References

### 5.1 Table 1.0(Customer)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Customer ID	Text(10)	Alphabetic	Yes	System Generated

First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female
DoB	Text(10)	Alphanumeric	No	
Contact Number	Text(10)	Numeric	Yes	
Alt Contact Number	Text(10)	Numeric	No	
Email ID	Text(50)	Alphanumeric	Yes	
Password	Text(15)	Alphanumeric	Yes	
Address Line 1	Text(100)	Alphanumeric	Yes	
Address Line 2	Text(100)	Alphabetic	No	
City	Text(50)	Alphabetic	Yes	
State	Text(50)	Alphabetic	Yes	
Zip Code	Text(10)	Numeric	Yes	

## 5.2 Table 2.0(Doctor)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Doctor ID	Text(10)	Alphabetic	Yes	System Generated
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female
DoB	Text(10)	Alphanumeric	No	
Contact Number	Text(10)	Numeric	Yes	
Alt Contact Number	Text(10)	Numeric	No	
Email ID	Text(50)	Alphanumeric	Yes	
Password	Text(15)	Alphanumeric	Yes	
Address Line 1	Text(100)	Alphanumeric	Yes	
Address Line 2	Text(100)	Alphabetic	No	
City	Text(50)	Alphabetic	Yes	
State	Text(50)	Alphabetic	Yes	
Zip Code	Text(10)	Numeric	Yes	
Degree	Text(50)	Alphabetic	Yes	
Specialty	Text(50)	Alphabetic	Yes	
Work hours	Drop down	NA	Yes	
Hospital/Clinic Name	Text(100)	Alphanumeric	Yes	
Medicare Service ID	Numeric(10)	Numeric	Yes	System Generated



### 5.3 Table 3.0(Admin)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Admin ID	Text(10)	Alphabetic	Yes	System Generated
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female
DoB	Text(10)	Alphanumeric	Yes	
Contact Number	Text(10)	Numeric	Yes	
Alt Contact Number	Text(10)	Numeric	No	
Email ID	Text(50)	Alphanumeric	Yes	
Password	Text(15)	Alphanumeric	Yes	

### 5.4 Table 4.0(Medicare services)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Medicare Service ID	Numeric(10)	Numeric	Yes	System Generated
Medicare Service	Text 50	Alphabetic	Yes	
Service Description	Text(200)	Alphabetic	Yes	
Amount	Numeric(10)	Numeric	Yes	

### 5.5 Table 5.0(Agent)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Agent ID	Text(10)	Alphabetic	Yes	System Generated
First Name	Text(50)	Alphabetic	Yes	
Last Name	Text(50)	Alphabetic	Yes	
Age	Numeric(2)	Numeric	Yes	
Gender	Drop Down	NA		Male, Female
DoB	Text(10)	Alphanumeric	No	
Contact Number	Text(10)	Numeric	Yes	
Alt Contact Number	Text(10)	Numeric	No	
Email ID	Text(50)	Alphanumeric	Yes	
Password	Text(15)	Alphanumeric	Yes	
Address Line 1	Text(100)	Alphanumeric	Yes	
Address Line 1	Text(100)	Alphabetic	Yes	
City	Text(50)	Alphabetic	Yes	

State	Text(50)	Alphabetic	Yes	
Zip Code	Text(10)	Numeric	Yes	

## 5.6 Table 6.0(Medical Test History)

Field Name	Field Type	Data Type	Mandatory	Possible Values
Report ID	Numeric(10)	Numeric	Yes	System Generated
Customer ID	Text(10)	Alphabetic	Yes	System Generated
Doctor ID	Text(10)	Alphabetic	Yes	System Generated
Medicare Service ID	Numeric(10)	Numeric	Yes	System Generated
Agent ID	Text(10)	Alphabetic	Yes	System Generated
Service date	Text(10)	Alphanumeric	Yes	
Test Result date	Text(10)	Alphanumeric	Yes	
Diag 1 – Actual Value	Numeric(10)	Numeric	Yes	
Diag 1 – Normal Range	Numeric(10)	Numeric	Yes	
Diag 2 – Actual Value	Numeric(10)	Numeric	No	
Diag 2 – Normal Range	Numeric(10)	Numeric	No	
Diag 3 – Actual Value	Numeric(10)	Numeric	No	
Diag 3 – Normal Range	Numeric(10)	Numeric	No	
Diag 4 – Actual Value	Numeric(10)	Numeric	No	
Diag 4 – Normal Range	Numeric(10)	Numeric	No	
Diag 5 – Actual Value	Numeric(10)	Numeric	No	
Diag 5 – Normal Range	Numeric(10)	Numeric	No	
Diag 6 – Actual Value	Numeric(10)	Numeric	No	
Diag 6 – Normal	Numeric(10)	Numeric	No	

Range				
Doctors Comments	Text(300)	Alphabetic	Yes	
Other info	Text(300)	Alphabetic	No	

## 6.0 Terms & Conditions

Interns shall be solely responsible for all its acts and omissions under this program. Interns will comply at all times with all applicable laws. Interns shall not use Cognizant's name, logo and trademark in any promotional materials or other communications with third parties without the prior written consent of Cognizant. Any materials used by interns in relation to program will not infringe the copyrights, trademarks, patents, trade secrets or other intellectual property rights, privacy or similar rights of any person or entity. Interns agrees not to post, draw, make, display any content that is threatening, libelous, obscene, defamatory, abusive, pornographic, or advocates/encourages any conduct that could constitute a criminal offence or give rise to any civil liability. Cognizant its associates' personal details including but not limited to name, address, contact number shall not be shared or forwarded to any third party, without prior written consent of Cognizant, its associates. All intellectual property provided by Cognizant as part of program shall be owned exclusively by Cognizant. Intern shall indemnify, defend and indemnify Cognizant its associates, officers, directors from and against any claims, demands, loss, damage, liability, causes of action, judgments, or costs and expenses of every nature (including attorney's fees and expenses) incurred by Cognizant based on any claim that any breach of terms and conditions of this program.

## 7.0 Change Log

Version Number	Changes Made			
V1.0.0	Initial baseline created on 6/02/2019 by Manonmani Guruswamy			
Vx.y.z	<Please refer the configuration control tool / change item status form if the details of changes are maintained separately. If not, the template given below needs to be followed>			
	Section No.	Changed By	Effective Date	Changes Effected