

TM Master Web Application

Software Requirements Specification Document (SRS)

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- i. My Project is TM MASTER WEB APPLICATION.
- ii. My Task, Regarding this project is
“ UNDERSTAND CLIENT SOFTWARE REQUIREMENT SPECIFICATION “
- iii. In this Task we will discuss the software requirement specification that a client needs.
- iv. We need to do a web application for the client who needs the website.
- v. We need to make sure that we will provide the web application by reaching the expectations of the client.
- vi. We Will Know how the Client needs a web application and what are the required forms and other things are needed.
- vii. This document shows how I am planning or will proceed further in this process.
- viii. In this we can know what are the details and how the process will be made further.

Introduction: This document describes the software requirements for the TM Master Web Application. TM Master is a comprehensive maritime software system that covers all aspects of fleet management, including maintenance, purchasing, crewing, and safety management. The purpose of the TM Master Web Application is to provide users with a web-based interface for accessing and using the features and functionality of the TM Master system.

Scope:- The scope of the web application is to digitise manual hospital procedures. The application makes it possible for cooks, patients, and doctors to communicate and work

together more effectively and efficiently. By allowing doctors to create individualised diet plans based on their medical conditions, the application's primary objective is to improve healthcare services for patients.

Patient Evaluation: By filling out the patient evaluation form in the web application, doctors can evaluate the medical conditions of their patients.

Understand Client Software Requirement Specification Book Appointment

- Name
- Email
- Phone number
- Relation
- Consultation Type
- Available slots
- Session charges Send appointment
- Appointment sample (can be print or download)
- Appointment Send Modes
 - Email
 - WhatsApp
 - SMS Location of Treatment
 - ☐ At office
 - ☐ Home Visit
 - ☐ Online

Evaluation Form

1st page:

There should be details regarding the patient.

Like name, age, height, weight, email, sex, phone number, address, profession,

Blood Test (Yes/No)

Issues/Reasons for joining the plan (should be 5-6 points)

Medical History

- Should consist of 2 columns, 5 rows
- Issue and Date of start (Should be input).

2nd Page:

Medication list (Should consist of 4 columns): 1-Medication 2-Dosage

3-Since 4- Reason (Can also be empty and all use inputs).

Family History (Consist of 2 columns): 1-Father side. 2-Mother side (should select from the given option according to the list given by the doctor).

3rd Page:

Fat Scan (Machine):(2columns- 1st for List, 2nd for input)

List of Weights, Total fat, Visceral fat, Kcal, BMI, Age, Total SC-BF, SC-Trunk, SC-arms, SC-Legs, Skeletal WB, SK-Trunk, SK-Arms, SK-Legs, IW.

All these should be inputs.

4th page:

Next is Evaluation forms which explains how visceral fat is formed.

VISCERAL FAT

- It should be done in offline mode (not possible in online mode).
- Or else can also send a detailed clip on WhatsApp or in App.

Under this there should be stages of nutrition which defines the comparison between levels of Nutrition and Levels of Fat.

5th Page:

TJ PERSONALITY FORM

It consists of a total of 45 questions and 3 parts.

- Should consist of 4 columns (A, B, C, D).
- 4columns should be 1-Observation, 2- I Section, 3- II Section, 4-III Section.
- Should be given select options for this as per the list given by doctor

v For example, SLIM MEDIUM FAT (they have to select from these).

- This is **PART-1 FORM** which consists of 15 lists of questions.
- **PART-2 Form** will be off with 15 lists of questions.
- **PART-3 Form** will be with 15 lists of questions.
- These 3 parts will be taking 3 pages.
- From page 5-7.

6th Page:

PERSONALITY TEST FORM

This Form will Consist of 4 sections

Section-I will be the total of the selected choices of PART-1 Form.

Section-II will be the total of the selected choices of PART-2 Form.

Section-III will be the total of the selected choices of PART-3 Form.

Section-IV will be the total of the I, II, III Sections.

7th page:

STOOL FORM

This will consist of 2 columns (1st will be Colour and 2nd will be Shape)

You can select multiple options but Highest one should be the priority.

This will all be on the 7th page but below the stool form.

STOOL CLEARANCE FORM

- This will consist of 4 questions.
- Set questions regarding the **STOOL FORM**.
- The 1st question will be YES/NO.
- The 2nd question will be YES/NO.
- The 3rd question will be of levels 1-10(select one level)
- The 4th question will be the frequency of levels (this should be input).

8th Page:

WATER INTAKE FORM

Consist of 2 columns (1st column for list given by doctor, 2nd column for input)

1st Row will be litres/glasses – input

2nd Row will be Any specific time – input

SYMPTOMS FORM

Should consist of 3 columns (A, B, C)

Should be selected from given options as per list given.

At last the Total count of A, count of B, count of C. Should be generated based on the select option in each section.

9th page:

MEDICAL CONDITIONS LIST

- Consist of 3 columns (A, B, C).
- Should be selected from the given option as per list.
- At last there should be a total of the count of each different section.

10th Page:

FOOD DIARY FORM

Consist of 4 columns

Timings (Breakfast, lunch, snacks, dinner), Time, Food, Comment.

Should be input.

11th Page:

LIKES AND DISLIKE FORM

- Consist of 2 columns (likes and dislikes) (input text).
- Food patient like and dislike (should be input)
- 10 rows should be there for like and dislike.
- Veg, Nonveg, eggs(input)
- Spice (Mild, Medium, Hot) (select option from these list)
- Craving (Sweet or Sour) Time of day these have taken(input).
- Allergies from food (can be negation).
- Fasting -> Yes/N(If yes what has been eaten on that day).
- Days of fasting :- On which day (or) only on special days(like Ekadashi etc..) (or) occasions (like Ramzan, Shivaratri).
- Description of fasting (input).

12th Page:

CUISINES FORM

- Should be in Rows.
 - Should be inputs (or) selected from a given list.
- What they like to eat and what they don't like from different countries' food.

In this form if they enter anything regarding food they dislike then that details should dislike form.

13th Page:

BODY MEASUREMENTS FORM

- Consist of 2 columns (List given for doctor, Input from patient).
- Can be measured based on pic or if a patient is available will measure in the office.
- In the rows there should be the measurements of Neck, Shoulder, Chest, Waist, Pelvis, Hip, Thigh, Calf, Arm, Wrist.
- Same row Apple/Pear in doctor part, Apple-Pear (select from these).
- The Apple/Pear will be based on body shape and measurements.
- Ratio.
- Ideal Waist.

Under same page below this

BLOOD PRESSURE

- Should consist of 2 columns, 3 rows.
- For asking and for inputs.
- In these rows there should be systolic, diastolic, pulse (input text).

14th Page:

BLOOD REPORTS

- Should consist of 2 columns (High, Low)
- Should be input.
- Given 10 rows for details to fill.

Same page below this

PICTURE

- Contains 2 columns (Before pic and After pic).
- Upload a picture.
- Should be Input.

15th page:

ALCOHOL DATA FORM

- 2columns and 6 rows (1st for doctor list, 2nd for input (or) select from options).
- Number of times a week (input)
- Number of drinks (input)
- Types of drinks (input)
- Cigarette [Yes/N(select from this, Number(input))].
- HUKKA [Yes/N(select from this), with input also].
- Drugs [yes/No, Input also].

Same page below this

MENSTRUAL CYCLE

- Should appear only if the gender is female.
- 2columns, 3 rows.
- PMS (Yes/No)
- Bleeding (Light, ok, Heavy)
- Regular in 1st column and Irregular in 2nd column

16th Page:

COOK FORM

- 2columns (for given list, input (or) select from these)
- Language: Hindi or English (select from this), Other (input)
- Strength of the Cook: Simple/Variable/Exotic (select from this).

Same page below

THINGS TO DO

- There will be some list given from the doctor. The patient should send the things to the doctor from that list. (TM forms, stool colour, picture, blood test, ETC....)
- Providing/Delivering machines required like cups, measuring spoons.

17th Page:

TM DIET CHART

- This will first contain some list like oil used, salt used, spices, dislikes of food, fast days, special notes.
- Next there will be three tables which will be filled by a doctor.

Table 1:

- **Titles of food items**
- It contains titles for detoxes and choices of food.
- Should be input.

Table 2:

- **Detox Recipes**
- This table contains how the detoxes should be made and the ingredients or things a recipe should contain.

Table 3:

- **Recipe to make**
- It will contain the ingredients and how the recipe should be made.
- Should negotiation and translation from this diet form and diet will be posted on App or WhatsApp or Email.
- After the diet is posted, the patient can select the food choice he wants to eat.
- He can send his choice to cook.
- After having his meal/food he should have an option whether he liked the food or not.

18th Page:

TM DAILY INPUT REMINDERS

- A reminder will be sent to fill a set of daily questions. Such that the next day's diet can be planned accordingly.
- For daily reminders should go
- For weekly fat scan, Measurements, Bp, should be sent
- For every -5kg send a pic reminder
- For every 3 month measurements, pic, Blood report, renewal (renew or not), Discharge.

Shopping List

- After a diet template make a list of the items that are required to bring from the market to make suggested food or detoxes.
- Shopping list items can be bought from the store or can be bought using Amazon or any other.

19th Page:

DISCHARGE SUMMARY

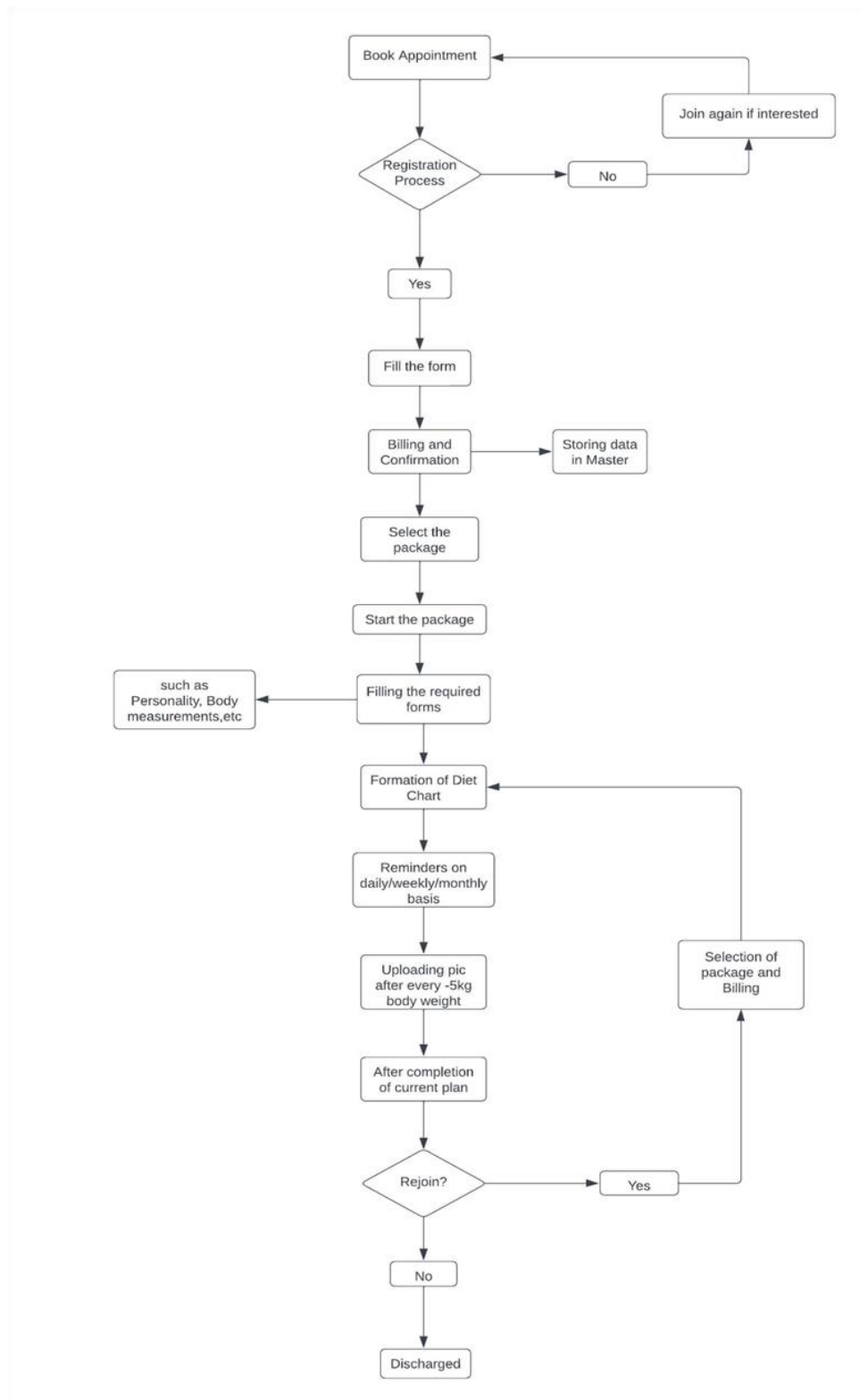
- First 2 columns, 5 rows
- Issues/Reasons for Joining the plan, Issues/Reasons for Discharge the plan
- Below this another table
 - **Medication List**
- Medication list comparison before and after
- Fat scan comparison
- Body Measurement comparison
- Blood pressure comparison
- Picture comparison
- Personality test result comparison
- Yum's of meals (list of different meals [breakfast, lunch, dinner])

20th Page:

STAFF ROLE MANAGEMENT

- Roles and responsibility of staff
- Resume when join
- Roles of staff (diet list, client list, package list, daily chores)
- Attendance
- Time in/Time out
- National holidays
- Personal leaves
- Monthly salaries
- Issues of staff will be stored. So, that the staff can improve based on that list
- Close when they leave.

Flowchart:



Functional Requirements:

- Patient Evaluation: By filling out the patient evaluation form in the web application, doctors can evaluate the medical conditions of their patients.
- User Management
 - a. The system should allow the creation, modification, and deletion of user accounts.
 - b. The system should allow users to reset their passwords.
 - c. The system should allow administrators to assign roles and permissions to users.
- Dashboard
 - a. The system should display a dashboard that provides an overview of the fleet's status.
 - b. The dashboard should allow users to view information about vessels, maintenance tasks, crewing, and safety management.
- Vessel Management
 - a. The system should allow users to create, modify, and delete vessel profiles.
 - b. The system should allow users to view information about vessels, including location, status, and maintenance history.
- Maintenance Management
 - a. The system should allow users to create, modify, and delete maintenance tasks.
 - b. The system should allow users to assign tasks to vessels and crew members.
 - c. The system should allow users to view the status of maintenance tasks and receive notifications when tasks are due or overdue.
- Purchasing Management
 - a. The system should allow users to create, modify, and delete purchase orders.
 - b. The system should allow users to track the status of purchase orders and receive notifications when orders are received.
- Crewing Management
 - a. The system should allow users to create, modify, and delete crew member profiles.
 - b. The system should allow users to assign crew members to vessels and track their certifications and training.
- Safety Management
 - a. The system should allow users to create, modify, and delete safety inspections.
 - b. The system should allow users to assign inspections to vessels and crew members.
 - c. The system should allow users to view the status of safety inspections and receive notifications when inspections are due or overdue.
- Reporting
 - a. The system should allow users to generate reports on vessel information, maintenance tasks, purchasing, crewing, and safety management.
 - b. The system should allow users to customise reports based on their specific needs.

Non-functional Requirements:

- Performance
 - a. The system should respond to user requests within 5 seconds.
 - b. The system should be able to handle at least 500 concurrent users.
- Security
 - a. The system should require users to authenticate using a username and password.
 - b. The system should encrypt all sensitive data in transit and at rest.
 - c. The system should implement role-based access control.
- Scalability
 - a. The system should be able to handle a growing number of users and data.
 - b. The system should be able to scale horizontally by adding more servers.
- Availability
 - a. The system should have a minimum uptime of 99.9%.
 - b. The system should have a disaster recovery plan in place.

Conclusion:- In order to improve patient care, the internet application aims to digitise manual hospital procedures. The app makes it easier for doctors, patients, and chefs to communicate, ensuring that patients get the right nutrition for their condition.