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| --- | --- | --- | --- | --- |
| Medic-kIt | | | | |
|  |  | | |  |
| stay FIT, ANYWHERE, everywhere | | | | |
|  | |  |  | |

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# Introduction

Creating a system where a user can have a one-stop solution to all their medical needs, be it knowing what illness they have, review consulting with doctors via chat bot, purchasing medicines, booking appointments and many more.

The overall website plan according to the business plan lies in:

* Consulting doctors on a chatting-platform built in the system.
* Facial recognition login
* To-do lists
* Knowing possible illness/problems according to their symptoms
* Purchasing prescribed medicines
* Booking appointment from doctor
* Calorie count

The system, being simple yet complicated, roughly comprises of the above listed main components. Whereas, this documentation specifically consists of a broad category of the following:

1. Introduction of the System
2. Requirement Determination and Analysis
3. System Design
4. Development
5. Agile Documentation
6. Conclusion

It is recommended to read the entire document to understand the basic and the advanced understanding of the system. The information is with the view point of development of the website for “medic-kit”.

It is important to keep the business plan updated in order to see progress, celebrate success, and adjust where issues arise. This is best done on a quarterly, if not monthly, basis.

# NEED for the new system

There are systems already available in the market, which contain all the basic medical-problem solution, but here are the problems that a user face:

* Not knowing which website/service is good for his particular requirement.
* Trusted doctors or medicines not available online easily.
* No in-house calory counter; if available, the payment is off the charts.

The new system, “Medic-Kit” is a one step solution to every problem a google searcher searches differently for different medical problems, be it searching for “what might I have” followed by symptoms or “the best doctor for [disease] in [location]”

# objective of the new system

To provide the one step solution to the medical needs, a user can:

* book appointment
* check and keep track of their calories
* talk to doctors about their problems
* purchase prescribed medicines
* create a to-do list for keeping a track of their fitness

and many more components!

# core components

The core components for the “Medic-kit” project include:

* Login
* Registration
* Face-recognition login
* To-do list
* Display Symptoms->diseases
* Tweet/Update your own timeline
* Mail users
* Chat interface
* Blog/news update
* Hospital/doctor suggestion according to disease/problem
* Ideal profile display (based on personal data, calculated using BMI)
* Calory counter
* Treatment/remedy
* Prescription list
* Appointment taking
* Request meds
* Update Profile
* Change Password
* Contact us
* Feedback
* admin: manage doctors
* admin: manage patients
* admin: manage diseases/problems
* admin: manage symptoms
* view hospital/doctor information
* view medical history
* add medical history

# project profile

|  |  |
| --- | --- |
| Project title | Medic-Kit |
| Project Description | Creating a system where a user can have a one-stop solution to all their medical needs, be it knowing what illness they have, review consulting with doctors via chat bot, purchasing medicines, booking appointments and many more. |
| Project Team | Kenil Thakkar  Janhvi Agarwal  Varad Joshi |
| Front-End and Back-end | Django 4.1  CSS5  HTML5  JS |
| Database | MySQL |
| Server | Localhost |
| Evaluators | Mr. Neeraj Gautam  Mr. Himanshu Sharma |

# assumptions and constraints

Here are a few constraints and assumptions for the system:

Assumptions

* Users will use the website by logging in

Constraints:

# Advantages and Limitations of the Proposed System

Advantages:

* Single stop solution
* Easy to navigate
* Recommended doctors
* Best prescribed medicine
* Eases 50-60% of user task while sitting at home
* Easy appointment bookings

Limitations:

* Limited data-set: will be improved over period of time
* Less contact with doctors and medical stores: gradual improvement
* Charges users
* Reminder system: to be added.

# requirement determination and analysis

# requirement deteremination

* Inception:
* Basic problem: Variable places for finding solutions to medical related problems.
* Users: Doctors and Patients
* Nature of solution desired: A one-stop solution for all the medical-related problems.
* Stakeholders: Patients, Doctors, Pharmacists
* Elicitation:
* Objectives for the system: user’s perspective: A single stop destination for booking appointment from doctors, taking prescriptions, to-do list, calorie count, and more.
* How the product is to be used on a day-to-day basis: a daily login to measure your calories, to make a to-do list, to check diseases/illness based on your symptoms.
* Elaboration:
* Patients: a basic login, with payment set up and a regular-to-use set is applied.
* Doctors: They can sign up, get paid for the number of users who interact with them, and get their profile displayed on the website.
* Pharmacists: Sell and list their medicines.
* Negotiation:
* Specification:
* Validation:
* Requirement management:

# targated users

Targeted users for the system include:

* Patients
* Doctors
* Pharmacist