
Software Requirements Specification

For



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1. Introduction

1.1 Purpose

This document describes the software requirements and specification about **Practo.com** an online booking site for medical diagnose. Defining and describing the functions and specifications of the Book Diagnose System (BDS) is the primary goal of this Software Requirements Specification (SRS). This Software Requirements Specification illustrates, in clear terms, the system's primary uses and required functionality as specified by our customer.

The intended audience of this document is our CSE320 instructor: Ms. Parampreet Kaur, the autumn semester 2018 CSE320 Section K1DW members, as well as the other students attending CSE30 that will require access to such documentation.

1.2 Document Conventions

Font: Times New Roman 12

1.3 Intended Audience and Reading Suggestions

The document is intended for all the stakeholders' customer and the developer (**Designers, testers, maintainers**).

The reader is assumed to have basic knowledge of different medical terms. Understanding of UML diagram and Use Case diagram is also required.

1.4 Definitions, abbreviations

1.4.1 Definitions

• Online Doctor

Online doctor is a term that emerged during the 2000s, used by both the media and academics, to describe a generation of physicians and health practitioners who deliver healthcare, including drug prescription, over the internet.

•Health Checkups

Regular health checks can identify any early signs of health issues. When you have a health check, your doctor will talk with you about your medical history, your family's history of disease and your lifestyle, including your diet, weight, physical activity, alcohol use and whether you smoke.

- **Medical Record**

The terms medical record, health record, and medical chart are used somewhat interchangeably to describe the systematic documentation of a single patient's medical history and care across time within one particular health care provider's jurisdiction.

- **Medicine**

Medicine is the science and practice of the diagnosis, treatment, and prevention of disease. Medicine encompasses a variety of health care practices evolved to maintain and restore health by the prevention and treatment of illness

- **Medical Test**

A medical test is a medical procedure performed to detect, diagnose, or monitor diseases, disease processes, susceptibility, or to determine a course of treatment.

- **Book Appointment**

Booking appointment with doctors, clinic and hospital at the customer convenience. Customer can book the appointment at their own location with general physicians and specialists, dentists, alternative medicine practitioners, therapists and nutritionists.

- **Login**

An act of logging in to a computer, database, or system. A password or code used when logging in.

- **Register**

The action of enrolling for something or of enrolling or employing someone.

- **Email Address**

Email Address. An email address is a unique identifier for an email account. It is used to both send and receive email messages over the Internet.

- **Clinic**

An establishment or hospital department where outpatients are given medical treatment or advice, especially of a specialist nature.

- **Hospital**

An institution providing medical and surgical treatment and nursing care for sick or injured people.

- **Filters**

A piece of software that processes data before passing it to another application, for example to reformat characters or to remove unwanted types of material.

- **Consultation**

A consultation is a “type of service provided by a physician whose opinion or advice regarding evaluation and/or management of a specific problem is requested by another physician or

appropriate sources.” must be to obtain an opinion or advice regarding the evaluation and/or management of specific problem(s).

•**Sort**

Sorting information or data. In computer science, arranging in an ordered sequence is called "sorting". Sorting is a common operation in many applications, and efficient algorithms to perform it have been developed.

•**Symptom**

A physical or mental feature which is regarded as indicating a condition of disease, particularly such a feature that is apparent to the patient.

•**Coupon code**

In e-commerce and online shopping a coupon code, or promo code, is a computer-generated code, consisting of letters or numbers that consumers can enter into a promotional box on a site's shopping cart (or checkout page) to obtain a discount on their purchase.

•**Articles**

A piece of writing included with others in a newspaper, magazine, or other publication.

•**Feedback**

Information about reactions to a product, a person's performance of a task, etc. which is used as a basis for improvement.

•**Blood Group**

Any of the various types of human blood whose antigen characteristics determine compatibility in transfusion. The best-known blood groups are those of the ABO system.

•**Time Zone**

A time zone is one of the areas into which the world is divided where the time is calculated as being a particular number of hours behind or ahead of GMT.

•**Forums**

A meeting or medium where ideas and views on a particular issue can be exchanged.

•**Two-factor authentication**

Two-factor authentication (2FA), often referred to as two-step verification, is a security process in which the user provides two authentication factors to verify they are who they say they are.

•**Token**

A voucher that can be exchanged for goods or services, typically one given as a gift or forming part of a promotional offer.

•**Notification**

The action of notifying someone or something.

•Log Out

When someone who is using a computer system logs out or logs off, they finish using the system by typing a particular command.

1.4.2 Abbreviations

Throughout this document the following abbreviations are used:

SRS	Software Requirement Specification
BDS	Book Diagnose System
User	The person who operate the software product.
Insta	The premier hospital management software for hospitals
Querent	State-of-the-art business intelligence and predictive analytics for hospitals
Qikwell	An intelligent patient relationship management system for the hospitals
Ray	The practice management software for clinics, with premium access to the Practo.com platform
UPI	Unified Payments Interface
BHIM UPI	Bharat Interface for Money is a mobile app developed by National Payments Corporation of India, based on the Unified Payment Interface.
OTP	One Time Password
GPS	Global Positioning System
TFA	Two-factor authentication
SMS	Short Message Service

1.5 Project Scope

The software provides its clients a basic and very precise functionality which ensures the facilities such for millions of people, Practo is the trusted and familiar home where they know they'll find a healing touch. It connects them with everything they need to take good care of themselves and their family - assessing health issues, finding the right doctor, booking diagnostic tests, obtaining medicines, storing health records or learning new ways to live healthier. Healthcare providers can also harness the power of Practo as the definitive platform that helps them build their presence, grow establishments and engage patients more deeply than ever.

2. Overall Description

2.1 Product Perspective

The Practo.com is a portal where the clients are independent of the services they select whether it may be booking an appointment with a doctor, chatting with the doctor about ones health, ordering medicines, booking test or checkups and reading health articles the online portal has a unique login Id of the client which stores the information of the concerned client and all the transactions made by him/her.

Communication interface

The information or all the data on this portal is shared by the internet around the globe And the have their own backup of the data at some places.

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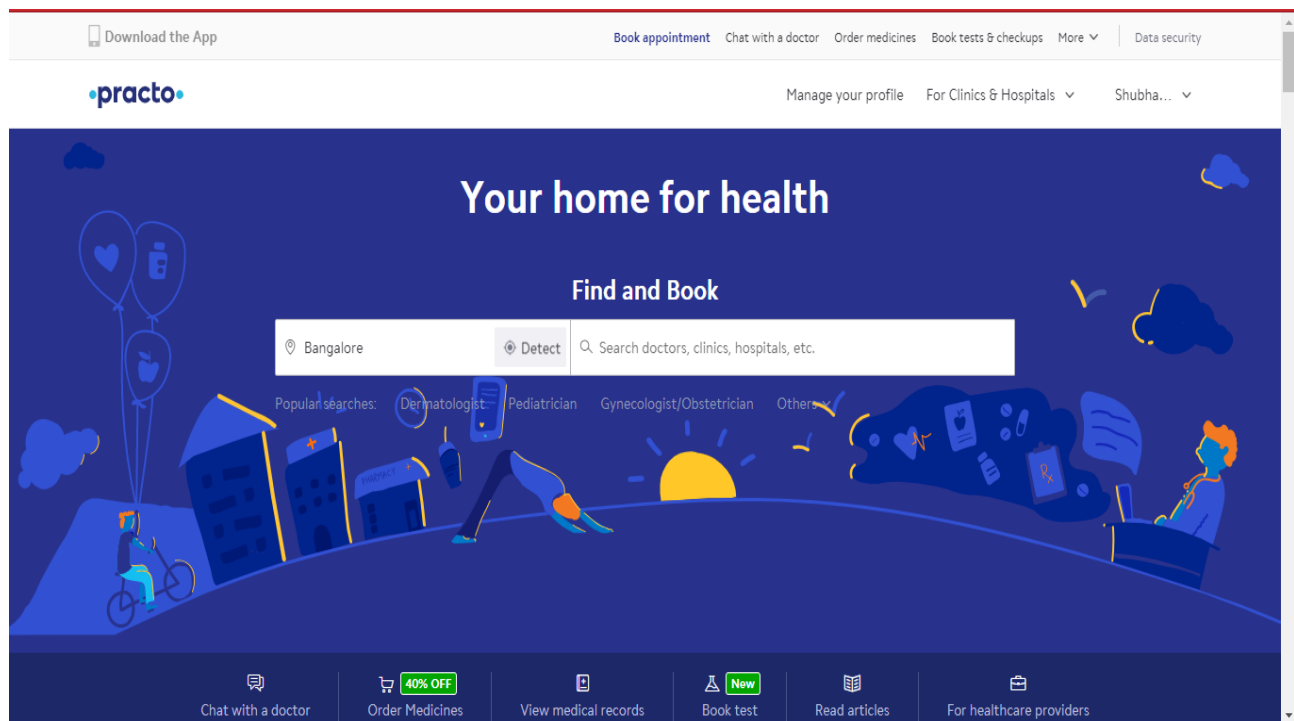
Hardware interface

The software will run on the electronic device such as tablets, smart phones, Desktops etc.

User interfaces

Customer

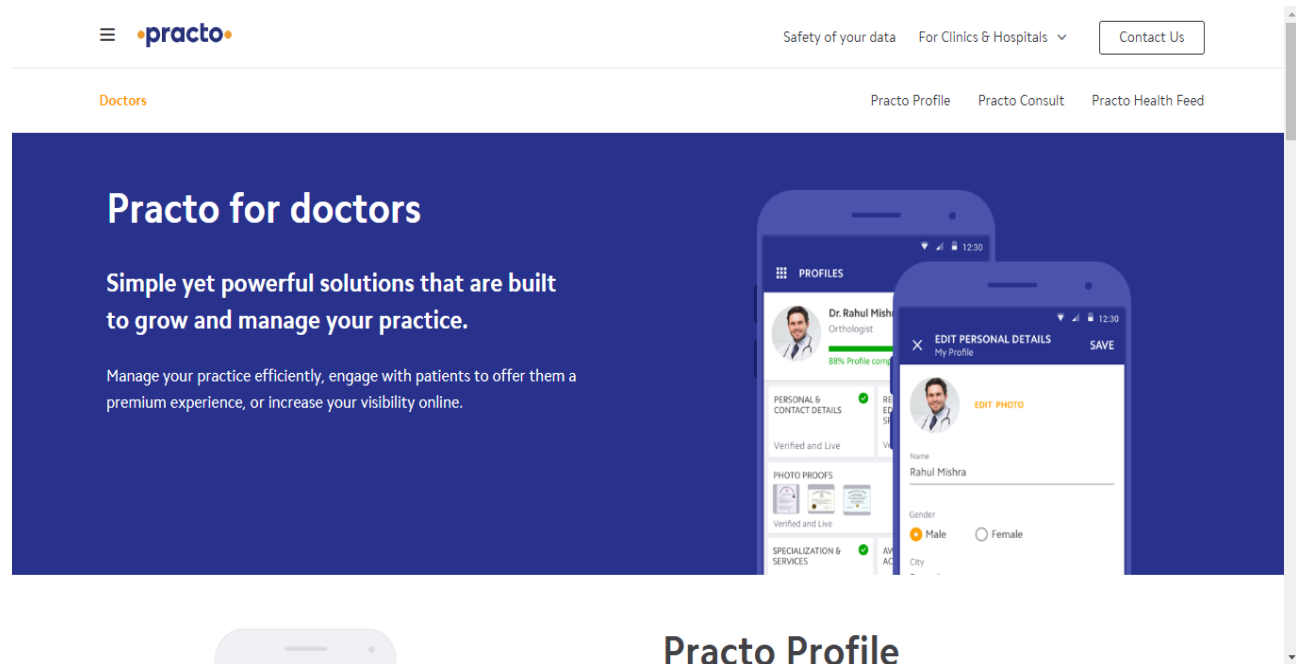
The customer user interface should be intuitive, such that 99.9% of all new Practo users are able to complete their transactions without any assistance.



Providers

• For Doctors


Manage your practice efficiently, engage with patients to offer them a premium experience, or increase your visibility online. With Practo consult you can answer medical queries & showcase your expertise. Maximize your earnings with paid online consultations. Offer online follow-ups to your clinic patients. Publish health tips to educate and inspire millions of people to lead a healthier lifestyle. Our easy-to-use article editor, regular feedback from editorial team, and detailed analysis of your articles' performance makes writing very simple. And, it's free.



Practo Profile

• For Clinics

The most powerful practice management software for clinics, with premium access to the Practo.com platform. Up to 70% reduction in patient no-shows, Up to 40% repeat patients, 3-click billing. Sponsored ads for clinics on Practo.com, make your practice visible to millions of users on Practo. Connect with millions of patients on Practo to grow your practice. Help them find you and book appointments; capture their feedback; consult online, and spread your word with helpful health tips.

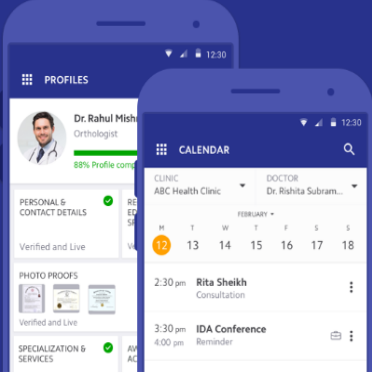

Safety of your data
For Clinics & Hospitals
Contact Us


Clinics
Ray
Practo Profile
Practo Reach

Practo for clinics

Simple yet powerful solutions that are built to grow and manage your practice.


- ✓ 50,000+ doctors
- ✓ 25M patients
- ✓ 5 countries






• For Hospitals

Robust plug-and-play software solutions. The premier hospital management software for hospitals, 50,000 daily patient visits managed, 99.99% uptime, HIPAA compliant servers, as fast as 3 day implementation. An intelligent patient relationship management system for the hospitals, ensure smooth appointments, dramatically shorter queues, digital payments and more. State-of-the-art business intelligence and predictive analytics for hospitals, 1,000+ dashboards, 150 KPIs, 60 predictive models. Sponsored ads for hospitals on Practo.com. Make your practice visible to millions of users on Practo.


Safety of your data
For Clinics & Hospitals
Contact Us


Hospitals
Insta
Querent
Qikwell



Robust plug-and-play software solutions

- ✓ 1,000+ hospitals
- ✓ 17+ countries
- ✓ 28 Million patients managed

Our awesome customers



Developers

Developers are responsible for failing transactions such as the buying and selling of the medicines or the test and checkups. There should be a simple interface that they can use to make the Practo account whenever needed.

Maintainer

The maintainer is responsible for problem new login Id's to the network and servicing existing accounts. A maintainer should be possible to resolve any issue of user login Id to the network within 1 hour.

2.2 Product Features

The portal of Practo.com should work 24 hrs. The Practo.com portal identifies its client by the unique login Id where all the information of the clients' transactions are saved. It collects information about a simple transaction (e.g., medical records, appointments, lab tests, medicine orders, online consultations, articles, feedback, payment), information to the database of the Practo.com, and ensures the fruit of health services to the customer. The software requires appropriate record keeping and security provisions. The software must handle concurrent accesses to the same login Id correctly.

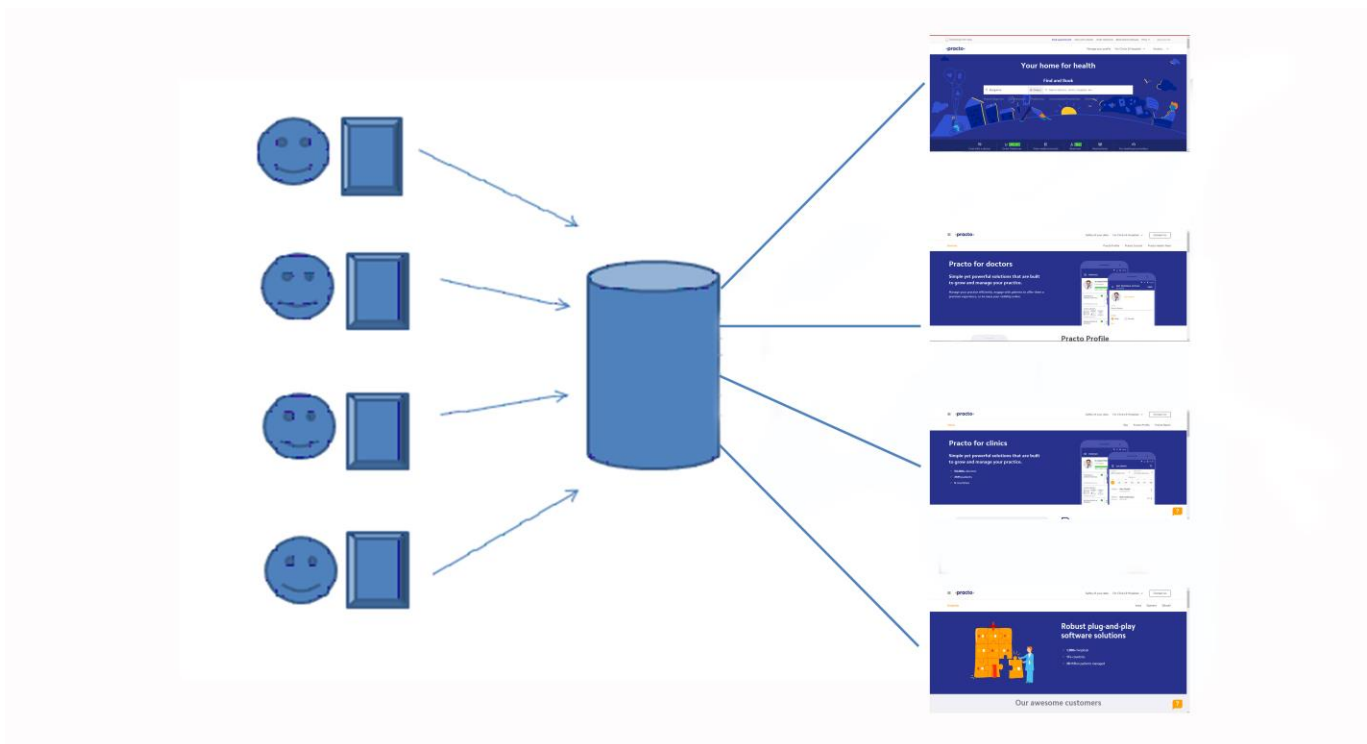


Figure: Practo.com network

2.3 User Classes and Characteristics

Characteristics

There are several users of the Practo.com:

Customers are simply members of the general public with no special training.

Developers need to have special education or experience.

Maintainers must be experienced network administrators, to be able to resolve any issue related to login etc.

2.4 Operating Environment

The hardware, software and technology used should have following specifications:

- Ability to create a new account
- Ability to save the transactions
- Mobile sms services for the convinience.
- Customer care support for offline queries.
- Ability to notify about new offers and policies.
- Ability to choose the services.
- Ability to validate user.

2.5 Design and Implementation Constraints

- Login

Valid Login ID

- Valid Login ID must be there (It either can be registered mobile number or the registered email id)
- The clients can make multiple accounts.

- If the login ID and the password is wrong then the message prompt “Password or Login is wrong”.

Validate for Jurisdiction (If any)

- Validate that the services which is against the law.
- If the login is from other account then it will notify you.
- If services is against then you have to claim the rule according to law.

Validate for real account

- Validate that the account is not fake.
- If account is fake then automatically it will redirect to new login.

Validate Password

- Validate that the password is not blank.
- If Password is blank, prompt error message "Please provide Password"
- Validate that the password entered matches the password on file.
- If password does not match, prompt error message "Password is Incorrect"

2.6 User Documentation

<https://www.practo.com/company/contact>

2.7 Assumptions and Dependencies

- Privacy is maintained.
- For every services terms and conditions apply.
- Unlimited number of transactions per day
- Offers will be notified through the SMS and Email.

3. Software Requirements

3.1 Functional Requirements

1. Register

- 1.1. Full Name
- 1.2. Mobile Number
- 1.3. Create Password
- 1.4. (Optional) Receive relevant offers and promotional communication from Practo

Login

Register



Join Practo
Are you a doctor? [Register Here](#)

Full Name

Mobile Number

+91(IND) ▼

Create Password

☒ Receive relevant offers and promotional communication from Practo

Send OTP


By signing up, I agree to [terms](#)

2. Login

- 2.1. Mobile Number/Email ID
- 2.2. Password
- 2.3. (Optional) Remember me for 30 days
- 2.4. Login with OTP instead of password
- 2.5. Forgot Password
 - 2.5.1. Email ID/Mobile Number (To get an OTP or an Email)
 - 2.5.1.1. Send OTP on Mobile Number
 - 2.5.1.1.1. Receive OTP via SMS

- 2.5.1.1.1. Resend OTP
- 2.5.1.1.2. Receive OTP via Call
- 2.5.1.1.2.1. Resend OTP
- 2.5.1.2. Send OTP on Email
- 2.6. Connect with Facebook

[Login](#) [Register](#)



Mobile Number / Email ID

Password

☒ Remember me for 30 days [Forgot password?](#)

☐ Login with OTP instead of password

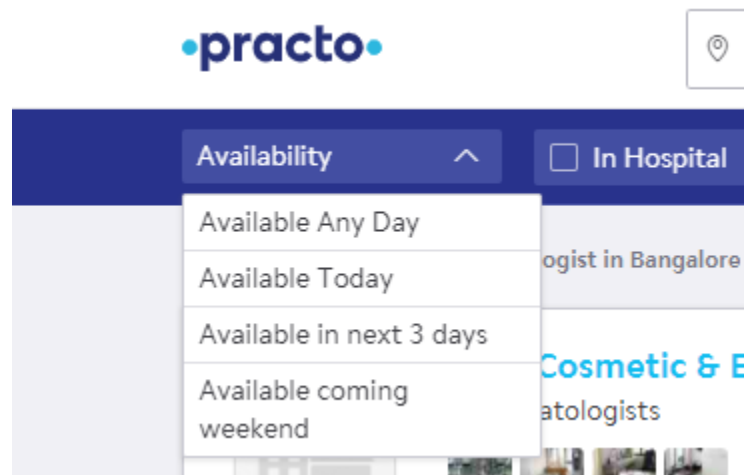
Login

or

Connect with Facebook

3. Book Appointment

- 3.1. Search Location
- 3.2. Automated detect of location using GPS of system
- 3.3. Search doctors, clinics, hospitals, etc.
- 3.4. Popular searches (for searching according to the various medical fields)
- 3.5. Filters
 - 3.5.1. Availability
 - 3.5.1.1. Available any day
 - 3.5.1.2. Available today
 - 3.5.1.3. Available in next 3 days
 - 3.5.1.4. Available coming weekend
 - 3.5.2. In Hospital
 - 3.5.3. Online Booking
 - 3.5.4. Consultation Fee
 - 3.5.4.1. Free
 - 3.5.4.2. 100-200



- 3.5.4.3.200-500
- 3.5.4.4.501+
- 3.5.5. Gender
 - 3.5.5.1. Male Doctor
 - 3.5.5.2. Female Doctor
- 3.6. Sort By
 - 3.6.1. Relevance
 - 3.6.2. Recommendation
 - 3.6.3. Years of Experience
 - 3.6.4. Price-High to Low
 - 3.6.5. Price-Low to High

The screenshot shows the Practo website interface for searching doctors. At the top, there's a search bar with 'Bangalore' as the location, 'Detect' as a filter, and 'dermatologist' as the search term. To the right of the search bar are links for 'For Clinics & Hospitals' and 'Login / Sign Up'. Below the search bar is a navigation bar with options: 'Availability', 'In Hospital', 'Online Booking', 'All Filters', and 'Sort By Relevance'. The main content area shows '351 matches found for: Dermatologist in Bangalore' with a 'Show doctors near me' button. A featured result is for 'Skin, Cosmetic & ENT Care Center', which has 3 dermatologists, a 95% rating (2215 votes), 153 feedbacks, and is located in Jayanagar 4 Block, Bangalore. It lists services like 'General ENT care', 'Hearing Aid Fitting', and 'Microsurgery of t...'. A 'Call Now' button is present. On the right sidebar, there's a section 'Safety of your data', 'Most Searched Localities in Bangalore' (listing Indiranagar, Whitefield, Hsr Layout, Vijayanagar, and Jayanagar), 'Health Articles' (listing Acne), and a prompt to 'Get the free Practo App' with a field to 'Enter your mobile number'.

- #### 4. Chat with a Doctor
- 4.1. Tell us your symptom or health problem
 - 4.2. Patient name
 - 4.3. Email address
 - 4.4. Mobile number
 - 4.5. Choose a relevant specialty
 - 4.5.1. Child Health
 - 4.5.2. General Health
 - 4.5.3. Ear, Nose, Throat

Chat with a Doctor

Tell us your symptom or health problem


Min 10 characters

Patient name

Email address

Mobile number

Continue

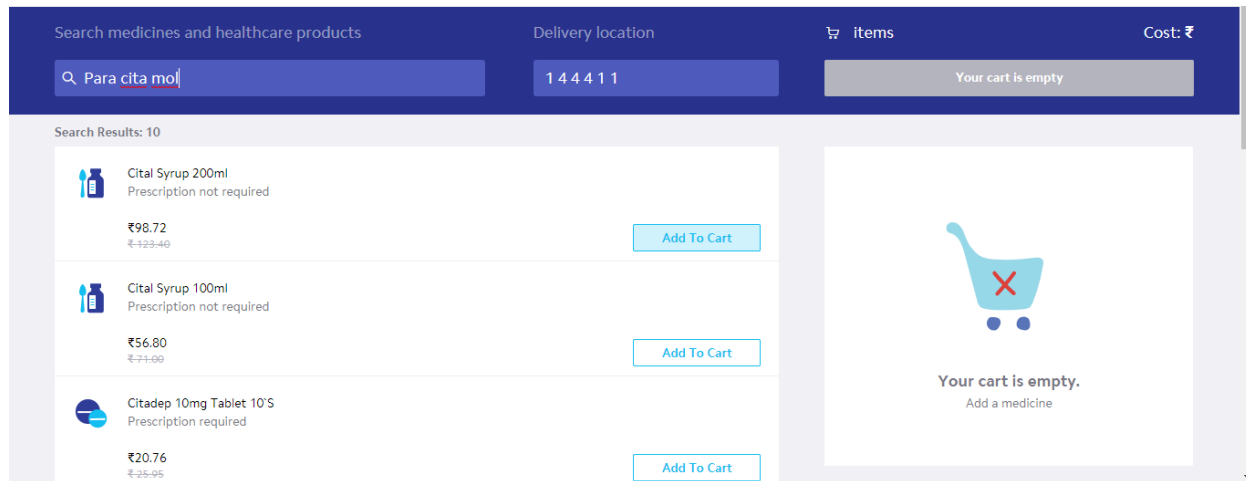


Free Follow-up

5. Order medicines

- 5.1. Search medicines and healthcare products
- 5.2. Delivery location
- 5.3. Add to Cart
- 5.4. Button to Increase the Quantity of medicines
- 5.5. A specific delivery instructions text box
- 5.6. Proceed to Delivery Details
 - 5.6.1. Select from saved addresses
 - 5.6.2. Add new address
 - 5.6.2.1. Delivery Location
 - 5.6.2.2. Delivery Pincode
 - 5.6.2.3. House number / Building name
 - 5.6.2.4. Street / Locality Name
 - 5.6.2.5. Recipient's Mobile
 - 5.6.2.6. Tag Address As
 - 5.6.2.6.1. Home
 - 5.6.2.6.2. Work
 - 5.6.2.6.3. Others
 - 5.6.3. Delivery Date (Automated delivery date made by system according to the address provided by the customer)
- 5.7. Payment Details
 - 5.7.1. Pay online

- 5.7.1.1. Paytm Wallet
- 5.7.1.2. Debit / Credit card
- 5.7.1.3. Net Banking
- 5.7.1.4.. UPI
- 5.7.1.5. Google Pay
- 5.7.1.6. PhonePe / BHIM UPI
- 5.7.2. Pay by Cash on delivery
- 5.7.3. Coupon code (Optional and for Discount purpose)



6. Book test and Checkups

- 6.1. Search Location
- 6.2. Automated detect of location using GPS of system
- 6.3. Search for Tests and Labs
- 6.4. Popular searches (for searching according to the various medical Tests)
- 6.5. Add more Tests
- 6.6. Selected Tests
 - 6.6.1. Select time slot
 - 6.6.2. Add Patient details
 - 6.6.2.1. Patient's Name
 - 6.6.2.2. Patient's mobile
 - 6.6.2.3. Age
 - 6.6.2.3.1. Years (for the patients having age more than 1 year)
 - 6.6.2.3.2. Months (for the patients having age less than 1 year)
 - 6.6.2.3.3. Days (for the patients having age less than a month)
 - 6.6.2.4. Gender
 - 6.6.2.4.1. Male

- 6.6.2.4.2. Female
- 6.6.2.4.3. Others
- 6.6.2.5. Email
- 6.6.3. Select patient address
 - 6.6.3.1. Mobile No.
 - 6.6.3.2. Locality
 - 6.6.3.2. Pincode
 - 6.6.3.3. House Address
 - 6.6.3.4. Landmark
 - 6.6.3.5. Label
 - 6.6.3.5.1. Home
 - 6.6.3.5.2. Work
 - 6.6.3.5.3. Others
- 6.6.4. Pay at Pick up
- 6.6.5. Pay Now
 - 6.6.5.1. Paytm Wallet
 - 6.6.5.2. Debit / Credit card
 - 6.6.5.3. Net Banking
 - 6.6.5.4. UPI
 - 6.6.5.5. Google Pay
 - 6.6.5.6. PhonePe / BHIM UPI

Bangalore

X

+ Add more tests

Q

CBC Test

X

Practo > Tests > Bangalore > CBC Test


Book lab tests at home

Compare prices • On-time home sample pick up • On-time e-reports


PRACTO INTEGRATED LAB


✓ Free home sample pick up


✓ On time E-reports



Thyrocare


NABL and CAP


5019 tests booked




Free home sample pickup

Next slot tomorrow at 6:00 AM


▲
▼


Total: ₹300

Book home sample



Medcis Pathlabs India Pvt. Ltd


788 tests booked



Free home sample pickup

Next slot tomorrow at 6:00 AM

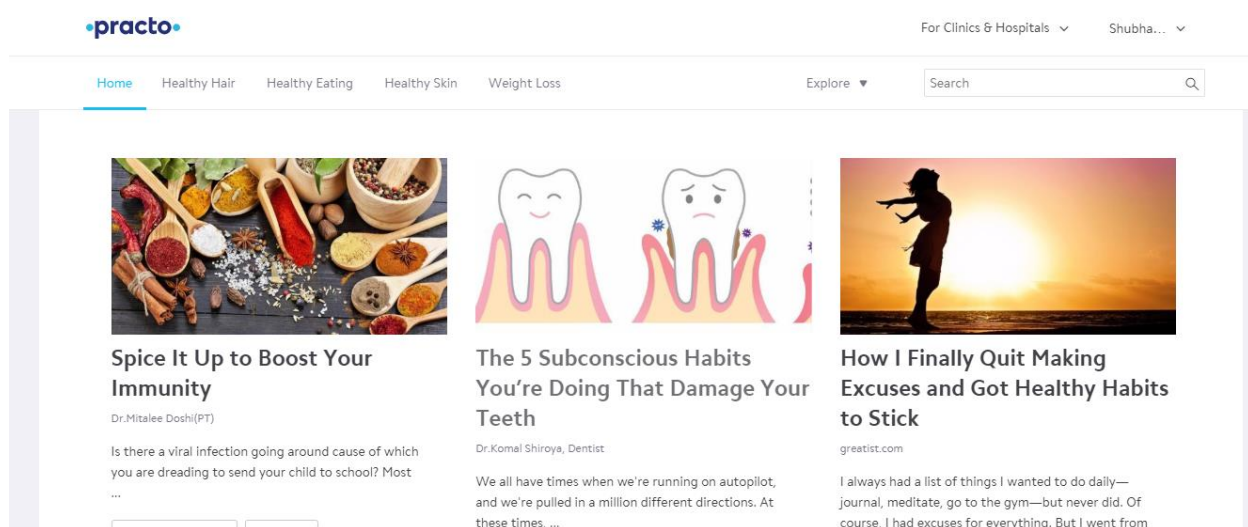
▲
▼

Total: ₹400

Book home sample

7. Read health articles

- 7.1. Home (Articles on all sort of Health issues)
- 7.2. Healthy Hair (Articles)
- 7.3. Healthy Eating (Articles)
- 7.4. Healthy Skin (Articles)
- 7.5. Weight Loss (Articles)
- 7.6. Explore (To explore different sort of articles sorted on the basis of different Health issues)
- 7.7. Search (to find suitable article)



8. Read about medicines

- 8.1. Search for medicines
- 8.2. Delivery Location
 - 8.2.1. Pincode



9. Practo For providers

9.1. For Doctors

9.1.1. Practo profile

9.1.1.1. Login

9.1.1.2. Section A: Profile details

9.1.1.2.1. Name

9.1.1.2.2. Specialization

9.1.1.2.3. Gender

9.1.1.2.3.1. Male

9.1.1.2.3.2. Female

9.1.1.2.4. City

9.1.1.3. Medical Registration

9.1.1.3.1. Registration number

9.1.1.3.2. Registration Council

9.1.1.3.3. Registration Year

9.1.1.4. Education Qualification

9.1.1.4.1. Degree

9.1.1.4.2. College/ institute

9.1.1.4.3. Year of completion

9.1.1.4.4. Year of experience

9.1.1.5. Connect a practice

9.1.1.4.5. I own a clinic

9.1.1.4.6. I visit a clinic

9.1.1.6. Clinic basic details

9.1.1.6.1. Clinic name

9.1.1.6.2. City

9.1.1.6.3. Locality

9.1.1.7. Matching profile

9.1.1.7.1. Create new profile

9.1.1.3. Section B: Profile verification

9.1.1.3.1. Doctor identity Proof

9.1.1.3.2. Registration proof

9.1.1.3.3. Clinic ownership proof

9.1.1.4. Section C: Start getting patients

9.1.1.4.1. Location

9.1.1.4.2. Timings

9.1.1.4.3. Fees

9.1.2. Practo consult

9.1.3. Practo Health Feed

9.1.3.1. Start writing tips and articles

9.2. For clinic

9.2.1. Ray (The practice management software for clinics, with premium access to the Practo.com platform)

9.2.2. Practo Profile (Connect with millions of patients on Practo to grow your practice.)

9.2.3. Practo Reach (Sponsored ads for clinics on Practo.com. Make your practice visible to millions of users on Practo.)

9.3. For Hospitals

9.3.1. Insta (The premier hospital management software for hospitals)

9.3.2. Querent (State-of-the-art business intelligence and predictive analytics for hospitals)

9.3.3. Qikwell (An intelligent patient relationship management system for the hospitals)

10. Your Drive (Customers personal records)

10.1. Medical Records

10.2. Appointments

10.3. Lab Tests

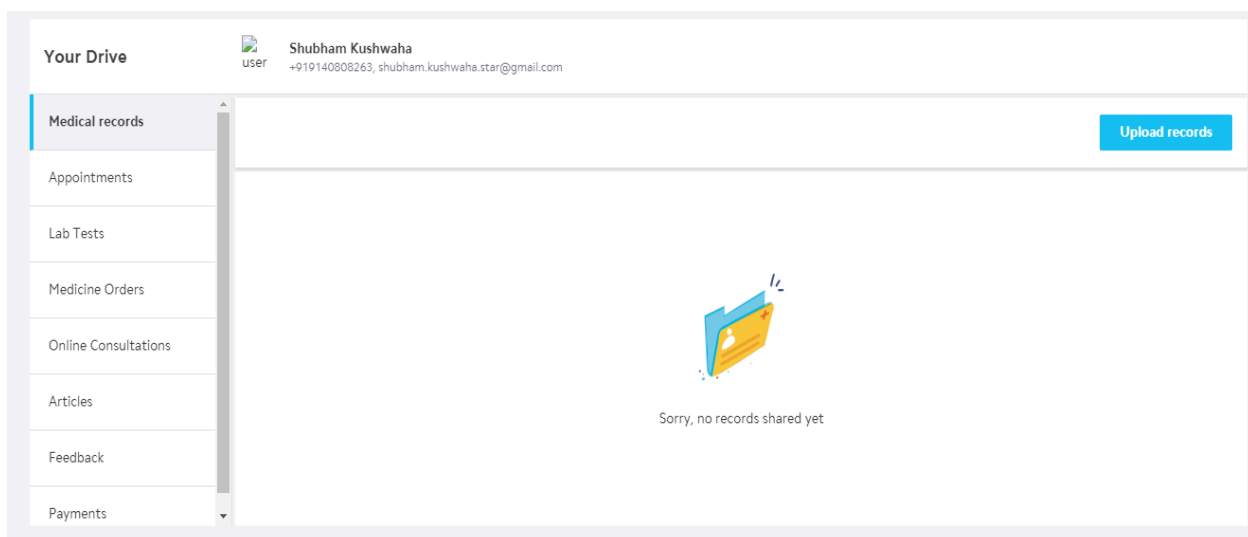
10.4. Medicines Orders

10.5. Online Consultation

10.6. Articles

10.7. Feedback

10.8. Payments




11. Accounts (Customers personal information)

- 11.1. Profile photo
- 11.2. Name
- 11.3. Phone number
- 11.4. Email address
- 11.5. Gender
- 11.6. Date of Birth
- 11.7. Blood Group
- 11.8. Time zone
- 11.9. Address
 - 11.9.1. House No. / Street Name/ Area
 - 11.9.2. Colony / Street / Locality
 - 11.9.3. City
 - 11.9.4. State
 - 11.9.5. Country
 - 11.9.6. Pincode
- 11.10. Other information
 - 11.10.1. Extra phone numbers
 - 11.10.2. Language

Accounts

Save changes

Profile photo



Pick a photo from your computer
[Add Photo](#)

Name

Shubham Kushwaha

Phone number

Edit

+919140808263

Email Address

Edit

shubham.kushwaha.star@gmail.com

Gender

Male

▼

Date of birth

1999-01-01

Blood group

O+

▼

Timezone

(UTC+05:30) Asia/Kolkata

▼

Address

House No. / Street Name/ Area

Colony / Street / Locality

City

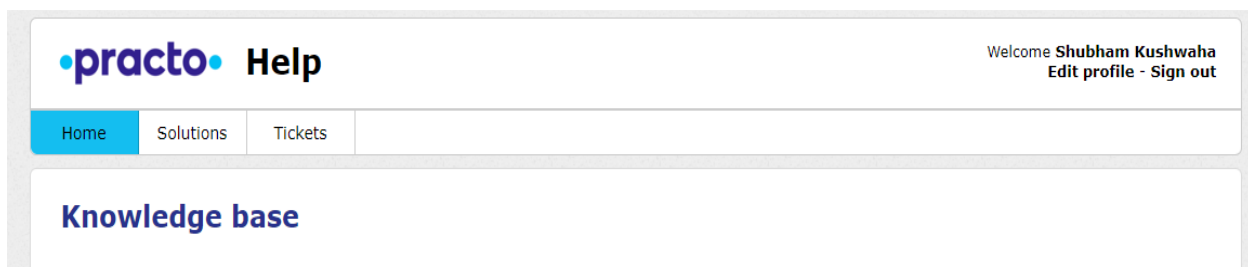
Mahalla Dastura Kanagan

Kanagan

Kanagan

12. Resolution Center (Support & Help)

- 12.1. Home
- 12.2. Solutions
- 12.3. Forums
- 12.4. Tickets
 - 12.4.1. All Tickets
 - 12.4.2. Open or Pending
 - 12.4.3. Resolved or Closed
 - 12.4.4. Archive



13. Settings (Account and Security settings)

- 13.1. Change password
 - 13.1.1. Current password
 - 13.1.2. New password
 - 13.1.3. Confirm password
- 13.2. TFA (Two-factor authentication)
 - 13.2.1. Set up using an app
 - 13.2.1.1. Token
 - 13.2.2. Set up using SMS
 - 13.2.2.1. Mobile Number
 - 13.2.2.2. Token
- 13.3. Notification settings
 - 13.3.1. Email settings
 - 13.3.1.1. I want to receive
 - 13.3.1.1.1. Health Tips
 - 13.3.1.1.2. Feedback
 - 13.3.1.1.3. Savings
 - 13.3.1.1.4. Announcements
 - 13.3.1.1.5. Informational

13.3.2. SMS settings

13.3.2.1. I want to receive

13.3.2.1.1. Health Tips

13.3.2.1.2. Feedback

13.3.2.1.3. Savings

13.3.2.1.4. Announcements

13.3.2.1.5. Informational

13.3.3. WhatsApp settings

13.3.3.1. I want to receive important notifications and updates via WhatsApp.

13.3.4. I want to unsubscribe entirely

13.4. Active Devices (Devices with which the customer is logged in the account)

13.5. Logout

Settings

Change password >

2-factor auth

Notification settings

Active devices

Logout

Current Password

New Password

Confirm Password

Confirm

4. External Interface Requirements

4.1 User Interfaces

The customer user interface should be intuitive, such that 99.9% of all new Practo.com users are able to book diagnose (test & checkups) without any assistance.

4.2 Hardware Interfaces

The hardware should have following specifications:

- Ability to go to the domain name i.e. Practo.com
- Ability to show all the services correctly.
- Sms services for the convenience.
- Email services for the convenience.
- Voice assistance in case you want help.
- Continuous power supply for the device you use.
- Continuous Internet connection as it totally works on internet.
- Ability to take input from user
- Ability to validate user

4.3 Software Interfaces

The software interfaces are specific to the target Practo.com systems.

5. Other Non-functional Requirements

5.1 Performance Requirements

- It must be able to perform in adverse conditions like high/low temperature etc.
- Uninterrupted connections
- High data transfer rate

5.2 Safety Requirements

- Must be safe in security aspects.
- Must be checking time to time even after proper authorization
- Must have an emergency customer service number.
- There must be an emergency customer care service which is 24*7 in service.
- The Basic information should be kept safe in the databases of the practo.com
- The login account must be always logged out as he/she close the website.

5.3 Security Requirements

- Users accessibility is censured in all the ways.
- Users are advised to change their Passwords on first use.
- Users are advised not to tell their Password to anyone
- The maximum number of attempts to enter Passwords will be two and thereafter the password reset link will be sent to your email id.
- Customer can login in their account using OTP sent to their registered Mobile number or the Email address.

5.4 Software Quality Attributes

Security

Facilities

Robust

5.4.1 Availability

The Internet has to be available whenever you want to access the Practo.com.

5.4.2 Security

The Practo network should provide maximal security .In order to make that much more transparent there are the following requirements

1. It must be impossible to plug into the network.

5.4.3 Maintainability

Only maintainers are allowed to add new features and services to the network. They are also allowed to do any maintenance work required to keep the network fast and swift.

6. Other Requirements

Data Base

The system must be able to use several data formats according to the data formats that are provided by the data bases of different customers, clinics, hospitals and etc. A transaction should have all the properties of a data base transaction (Atomicity, Consistency, Isolation, and Durability).

7. Diagrams

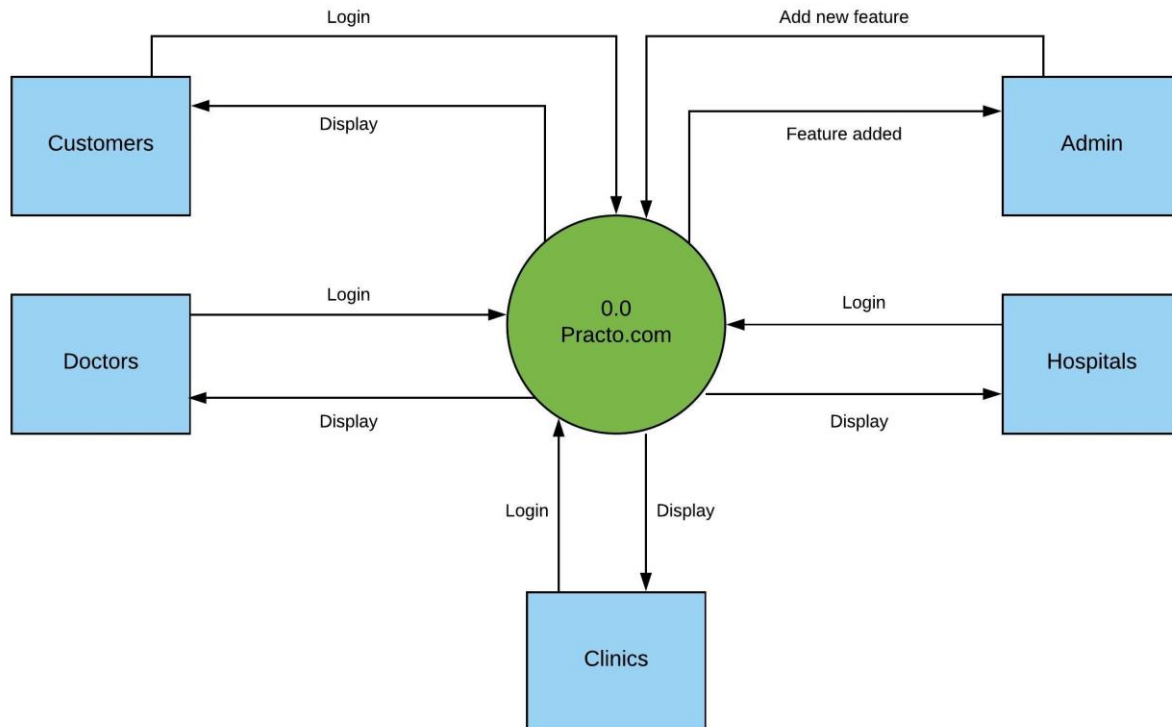
7.1. Data flow diagram

7.1.1. Context level Data Flow Diagram

A context diagram is a top level (also known as "Level 0") data flow diagram. It only contains one process node ("Process 0") that generalizes the function of the entire system in relationship to external entities.

Here external entities such as customers, doctors, clinics, hospitals and administrator are having relationship with the system Practo.com.

[Grab your reader's attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]

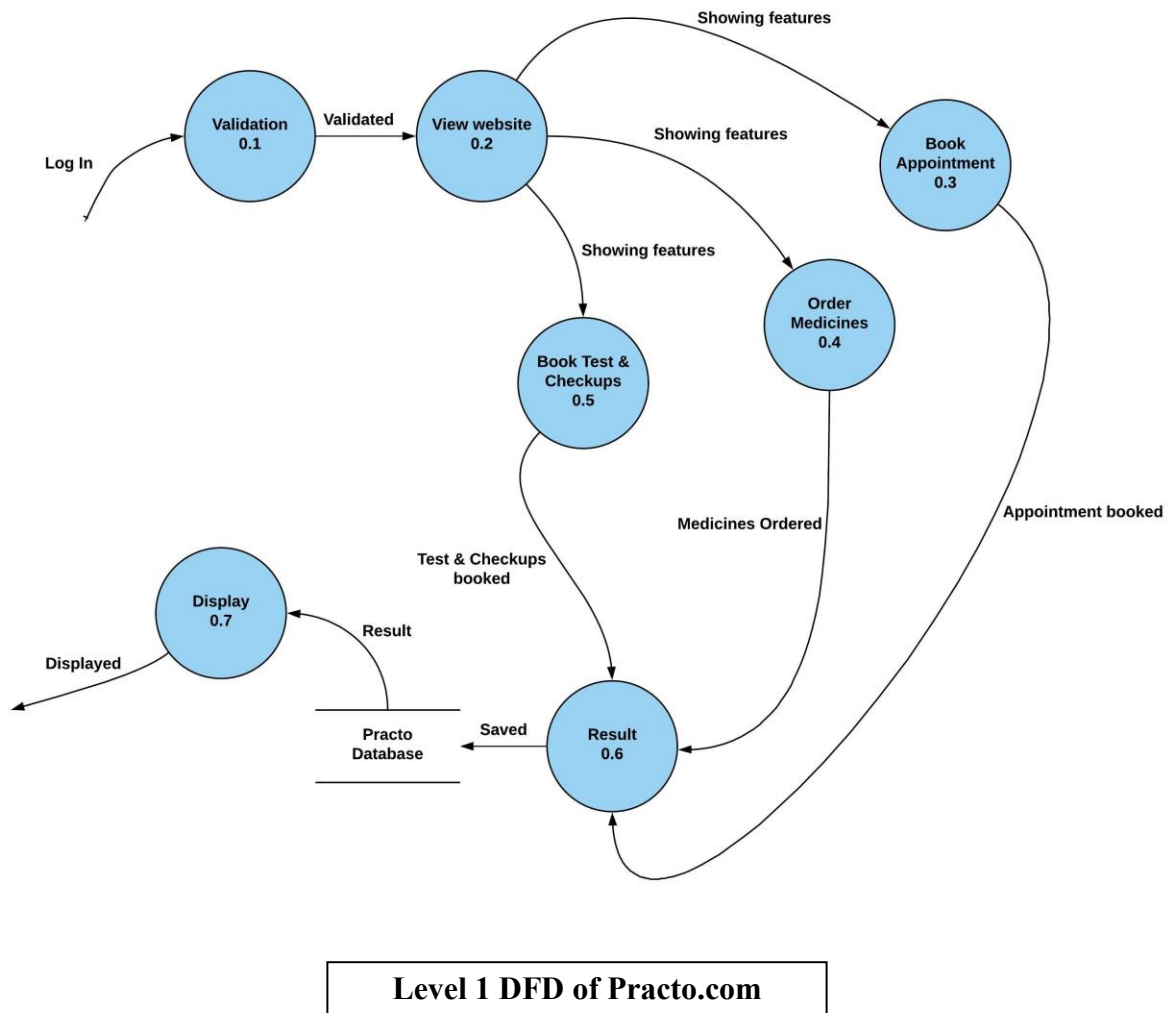


Context Level DFD of Practo.com

7.1.2. Level One Data flow Diagram

The Level 1 DFD shows how the system is divided into sub-systems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the system as a whole.

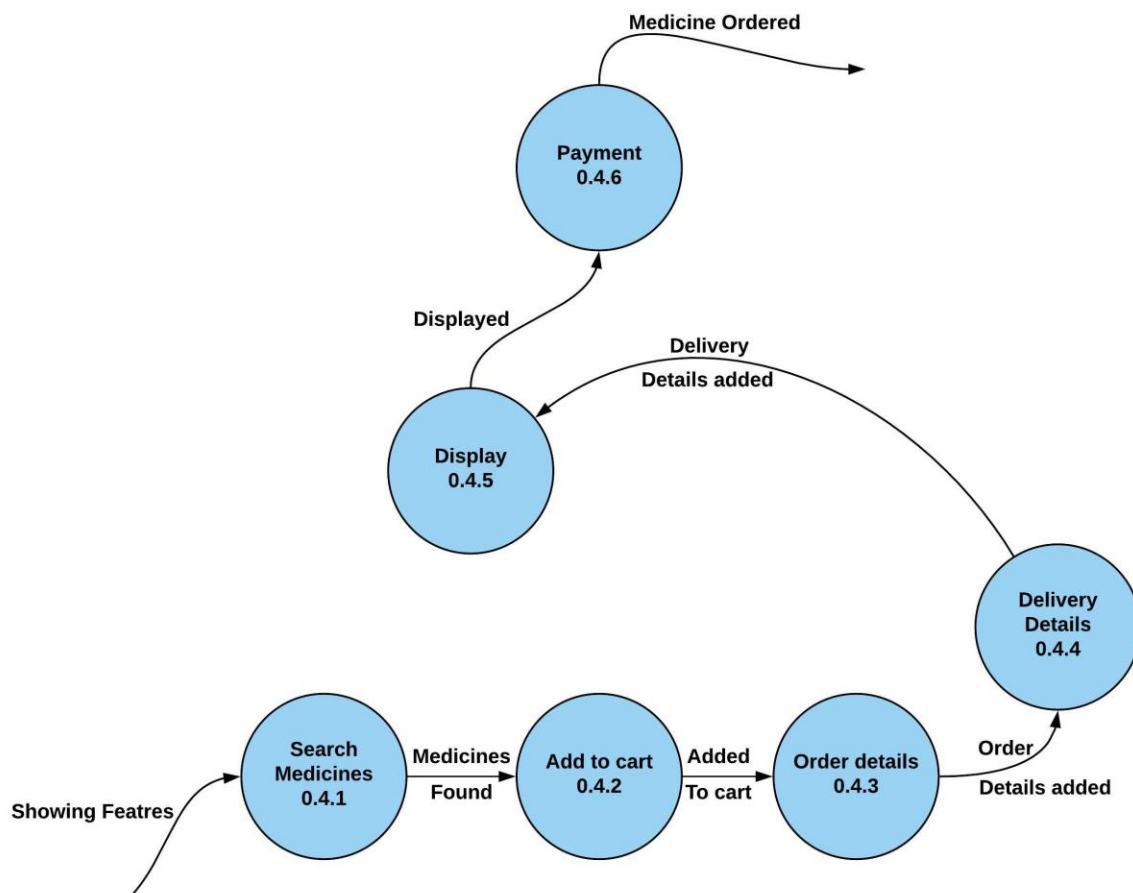
This level one DFD diagram is divided into sub-systems (processes) with respect to external entity customers.



7.1.3. Level 2 Data Flow Diagram

A level 2 data flow diagram (DFD) offers a more detailed look at the processes that make up an information system than a level 1 DFD does. It can be used to plan or record the specific makeup of a system.

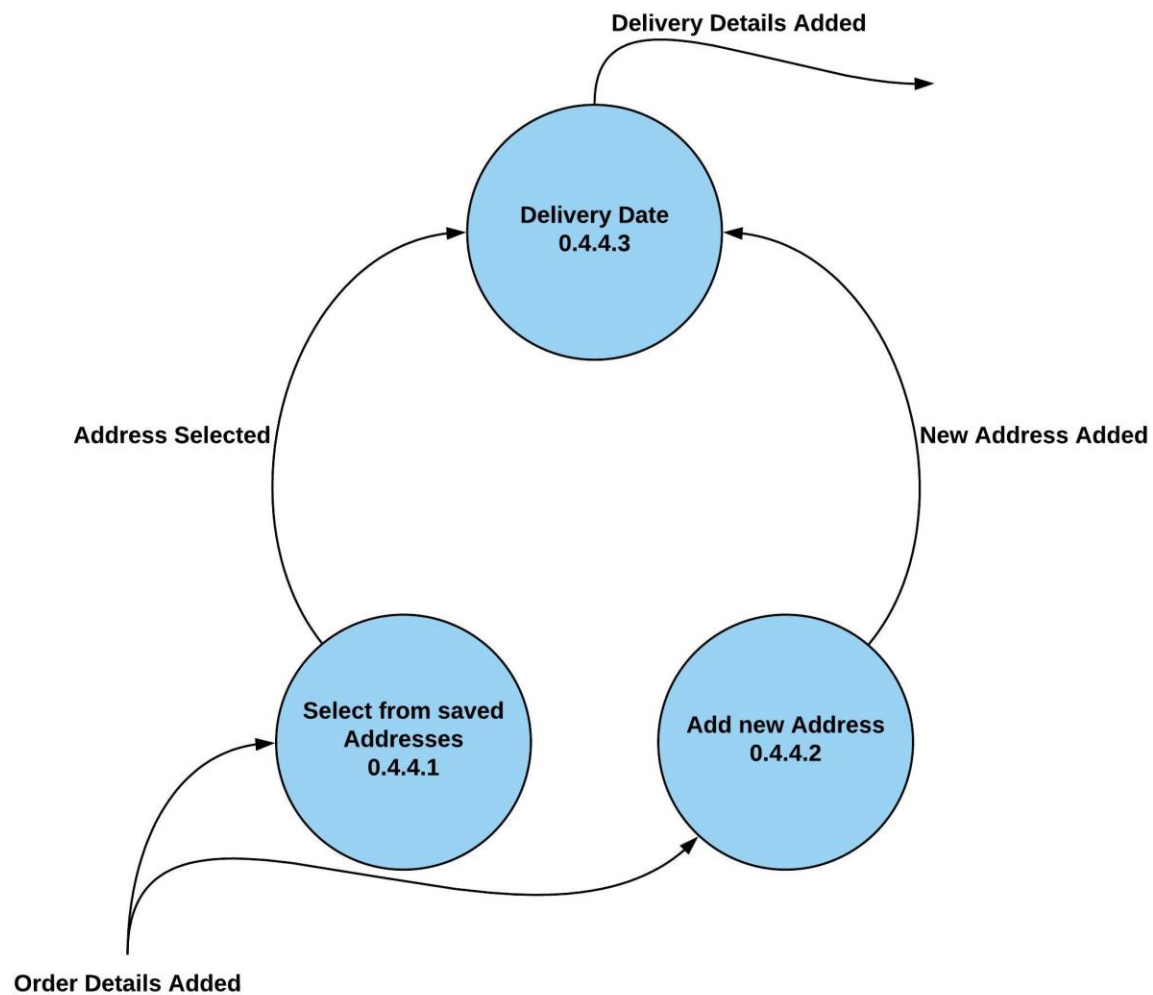
Here the level 2 data flow diagram offers the detailed look of ordering medicines process of the system than the level 1 DFD does.



Level 2 Data Flow Diagram of Practo.com

7.1.4. Level 3 Data Flow Diagram

Here the level 3 Data Flow Diagram of Practo.com is Representing the more detailed look of payment page which is following the process of ordering medicines in level 2 DFD.



Level 3 Data Flow Diagram of Practo.com

7.2. Use case Diagram of Practo.com

A use case diagram is a dynamic or behavior diagram in UML. Use case diagrams model the functionality of a system using actors and use cases. Use cases are a set of actions, services, and functions that the system needs to perform.

Here the Use case diagram is depicting the functionality of the system with use cases like services and functions of ordering medicines, booking appointment, booking tests and checkups, etc.



Use Case Diagram of Practo.com

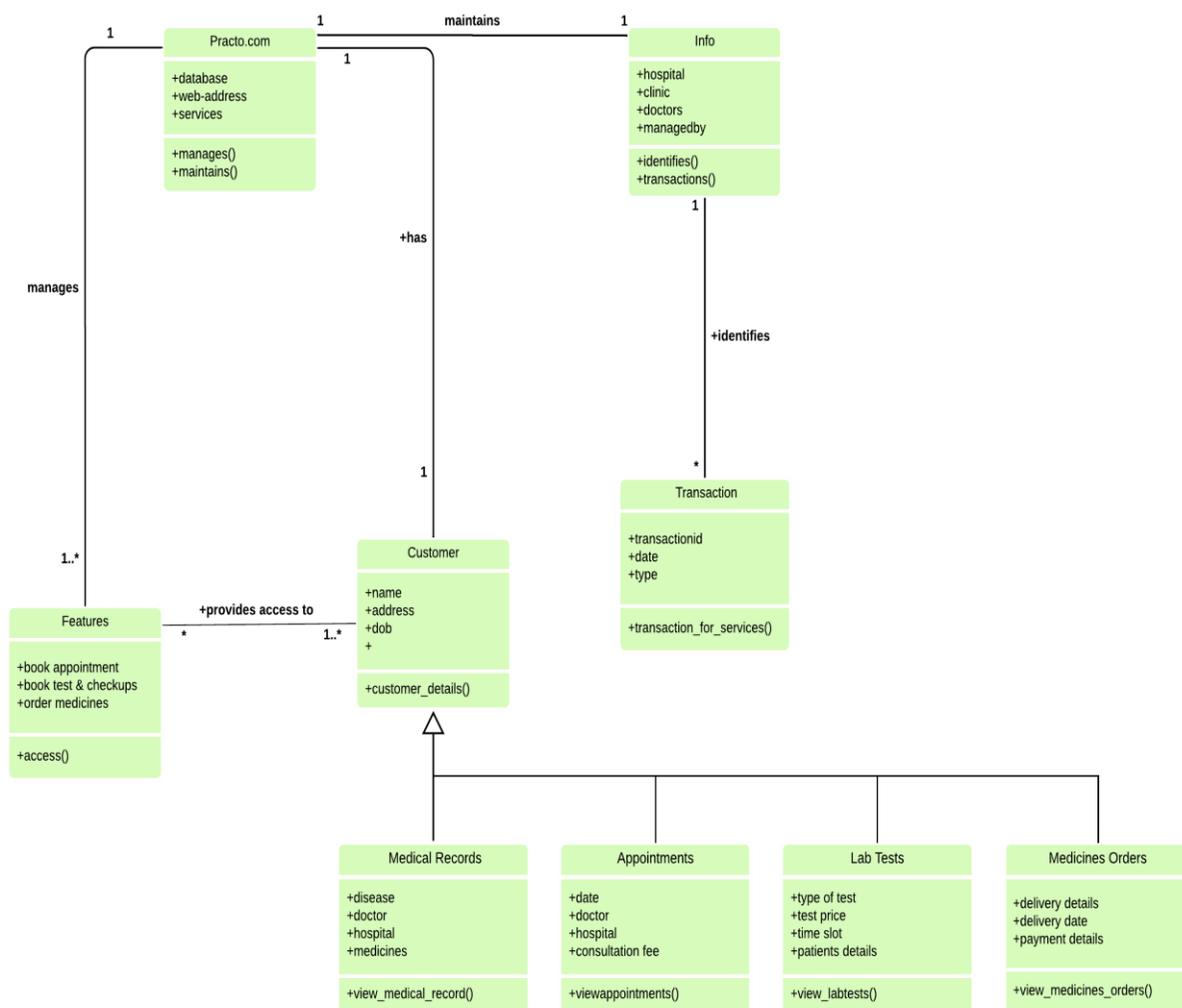
7.3. Class Diagram of Practo.com

In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among objects.

Here the class diagram of Practo.com is describing the structure of the system using system classes, their attributes, operations and the relationships among objects.

Class Diagram for Practo.com

Practo.com | November 5, 2018



Class Diagram of Practo.com

8. Testing

Software testing is a set of processes aimed at investigating, evaluating and ascertaining the completeness and quality of computer software. Software testing ensures the compliance of a software product in relation with regulatory, business, technical, functional and user requirements.

8.1. Test Case of Login Module

Test-ID	Test Condition	Inputs	State of Module	Expected Output	Actual Output	Status
TC1	Mobile Number / Email ID	1.98745 2.9140808263 3.snjfgghr@fgj.com 4.ssks@gamil.com)	Login Module	1. Mobile is not valid. 2. Mobile is valid. 3. Email is not valid. 4. Email is valid.	1. Mobile is not valid. 2. Mobile is valid. 3. Email is not valid. 4. Email is valid.	Passed
TC2	Password	1.4589562 2.bcg67@jhf 3.ncheucgh 4.bcg67@jhf	Login Module	1.Incoorect Password 2.Correct Password 3.Incorrect Pass word 4.Correct Password	1.Incoorect Password 2.Correct Password 3.Incorrect Pass word 4.Correct Password	Passed
TC3	Connect with Facebook	Login in one's Facebook profile and sharing the basic profile details with the Practo.com, these details are used in registering the user and logging them into system.	Login Module	User should be logged in The system.	User should be logged in The system.	Passed

8.2. Test case of Register Module

Test-ID	Test Condition	Inputs	State of Module	Expected Output	Actual Output	Status
TC3	Full Name	1.89512634 2.Shubham Kushwaha 3.@ghjk	Register Module	1. It should take the input. 2. It should take the input. 3. It should take the input.	1. It is taking the input. 2. It is taking the Input. 3. It is taking the input.	Passed
TC4	Mobile Number	1.98745, 2.9140808263 3.shdfjfurk	Register Module	1. It should not take the input. 2. It should take the input. 3. It should not take the Input.	1. It is not taking the input as expected. 2. It is taking the input. 3. It is not taking the input.	Passed
TC5	Password	1.12458 2. 87946@fgth 3. sncbfiekj 4. 91408082638953213297a	Register Module	1. It should not take the input as it is smaller than 6 characters. 2. It should take the input. 3. It should take the Inputs. 4. It should not take the inputs because the password is more than 20 characters.	1. It is not taking the Inputs. 2. It is taking the inputs. 3. It is taking the inputs. 4. It is not taking the inputs.	Passed