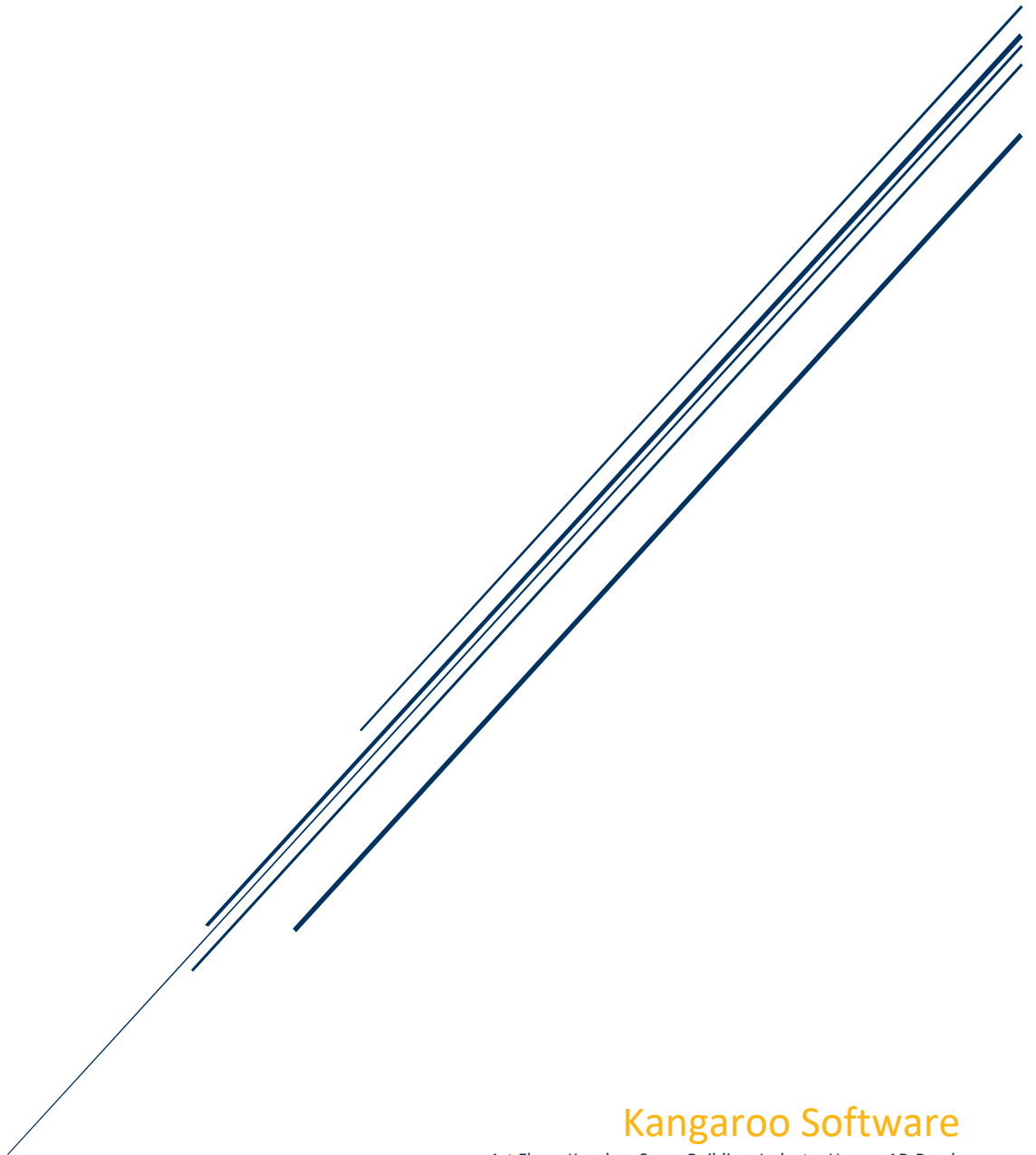


Thursday, 01 August 2019

# QUICKEN PHARMACY

## PROJECT SYNOPSIS



**Kangaroo Software**

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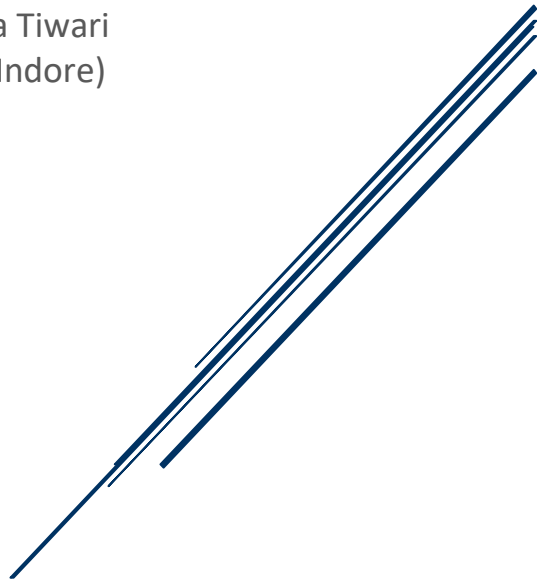
Indore, Madhya Pradesh - 452001

## TEAM

**Team Members:** Amogh Saxena, Anshika Tiwari

**Institute Details:** Medi-Caps University (Indore)

**Project:** QuickenPharmacy



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*Submitted to: Shiva Sir (Concept IT Solution)*

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## AIM

This project provide site for online pharmacy that operates over the internet and sends the orders to customers through mail or shipping companies and help user look after their own health effortlessly as well as take care of loved ones wherever they may reside in India. User can buy and send medicines from any corner of the country.

## OBJECTIVE

- EASY, SIMPLE AND SECURE ACCESS TO CUSTOMER.
- HASSLE FREE PROCESS
- OFFER FAST ONLINE ACCESS TO MEDICINES WITH CONVENIENT HOME DELIVERY
- TO SERVE WIDE VARIETY OF PRODUCTS

## INTRODUCTION

QuickenPharmacy is a revolutionary software designed on platform of Python and Django as per user requirement with online healthcare platform that connects users to the entire spectrum of healthcare services creating a resourceful ecosystem of service providers. Dedicated to extend the horizons of healthcare facilities and services beyond regional limitations and make it accessible to all under one roof, which stand as a synonym for healthcare digitalization.

## PROBLEM STATEMENT

The problem which people are facing today is they have to stand in queues waiting for their turn and finding medicines that are required is hectic and time consuming. Also, products are expensive and the availability of the product still remains a question specially in remote areas. People having a busy schedule find it difficult to buy medicines from local pharmacies.

## PROPOSED SOLUTION

1. People can quickly find the necessary medical products using the search bar.
2. All drugs and medicines are sorted into groups according to their purpose, which also allows you to compare drugs and make a choice.
3. Prices in online pharmacies are quite low, because there is no need to spend money on renting premises, warehouses, and maintain a huge staff, including sellers.
4. The assortment of medicines in online pharmacies is wider. This applies to pharmaceutical preparations and other products, such as cosmetics or hygiene products.
5. QuickenPharmacy provides home delivery. You can order drugs without leaving the house.

## MARKET POTENTIAL & COMPETITIVE ADVANTAGE

According to Frost & Sullivan in a recent white paper on e-pharmacies in India - the market in India is around \$512 million (~Rs 3,500 crore) in 2018 and is estimated to grow at a CAGR of 63% to reach US \$3,657 million (~Rs.25,000 crore) by 2022. The report further reveals that though the e-pharmacy segment is at its nascent stage in India, it has the potential to grow to a very large industry segment in the near future. E-Pharmacy could account for 15%-20% of the total pharma sales in India over the next 10 years, largely by enhancing adherence and access to medicines for a majority of the under-served population, active pharmacist counselling, long term drug compliance for chronic conditions, and cost savings on bills along with doctor consultation support.

At present e-Pharmacy is at its initial stage in India, but it has the great potential in the near future. The factors leading to the demand for e-Pharmacy in India is mainly because of unsatisfied medical needs due to larger population and increase the usage of internet. As the consumer behaviour in India is fast changing, there is a huge demand to access wide range of products at the click of computer, and at competitive prices.

QuickenPharmacy offers an end to end pharmacy management solution app that provides details over 3100 medicines and over 2 million patient records and provides services to more than 2,000 doctors through its website and mobile app. It has been designed in view to cater small and middle scale pharmacy at affordable price to meet the Competitive advantage.

## STUCTURE

### ADMINISTRATOR

- Add Medicines with its Title, Price, and Expiry date.
- Verify prescriptions.
- Approve the prescriptions.
- Manage the database of medicines.
- View orders.
- Manage orders.
- View user's profile.
- Confirm order.

### USER

- Login on Portal/Register themselves.
- Search medicines.
- Upload prescription.
- Order medicines.
- View/Edit Order.
- Make payment.
- Logout from the portal.

## CURRENT STATE OF DEVELOPMENT

1. Trial design of the prototype development is completed.
2. As requested, Trial HTML pages are ready to be linked with Database.
3. Design and Structures are ready and implemented.
4. Database created and managed accordingly.
5. Testing of various variables using the prototype is going on.
6. Beta testing is on process.

### DEVICE CONFIGURATION WHILE PROGRAMING:

- Operating System : Windows 10(Professional x64)
- Processor : Ryzen 7 (2700x)
- Processor Speed : 4.7GHz
- Monitor : HP N240h
- RAM : 16GB(DDR4)

## TECHNOLOGY USED

### FRONT-END

- HTML
- CSS
- JavaScript
- jQuery
- TypeScript

### BACK-END

- Python
- Django(Framework)

## LANGUAGE USED

### PYTHON:

Python is a popular programming language. It is used for web development (server-side), software development, mathematics, system scripting.

- **Easy-to-learn** – Python has few keywords, simple structure, and a clearly defined syntax. This allows the student to pick up the language quickly.
- **Easy-to-read** – Python code is more clearly defined and visible to the eyes.
- **Easy-to-maintain** – Python's source code is fairly easy to maintain.
- **A broad standard library** – Python's bulk of the library is very portable and cross-platform compatible on UNIX, Windows, and Macintosh.
- **Interactive Mode** – Python has support for an interactive mode which allows interactive testing and debugging of snippets of code.
- **Portable** – Python can run on a wide variety of hardware platforms and has the same interface on all platforms.
- **Extendable** – You can add low-level modules to the Python interpreter. These modules enable programmers to add to or customize their tools to be more efficient.

- **Databases** – Python provides interfaces to all major commercial databases.

### DJANGO(FRAMEWORK):

Django is a high-level Python Web framework that encourages rapid development and clean pragmatic design. A Web framework is a set of components that provide a standard way to develop websites fast and easily. Django's primary goal is to ease the creation of complex database-driven websites. Some well known sites that use Django include PBS, Instagram, Disqus, NASA, Washington Times, Bitbucket and Mozilla.

### BOOTSTRAP:

Bootstrap is a free front-end framework for faster and easier web development. Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins. Bootstrap also gives you the ability to easily create responsive designs. Due to these features we use bootstrap which are as follow:

- **Easy to use:** Anybody with just basic knowledge of HTML and CSS can start using Bootstrap
- **Responsive features:** Bootstrap's responsive CSS adjusts to phones, tablets, and desktops
- **Mobile-first approach:** In Bootstrap 3, mobile-first styles are part of the core framework
- **Browser compatibility:** Bootstrap is compatible with all modern browsers (Chrome, Firefox, Internet Explorer, Edge, Safari, and Opera)

### SQLITE:

Executive Summary. SQLite is an in-process library that implements a self- contained, server less, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is thus free for use for any purpose, commercial or private. ... SQLite is a compact library.

  
**QUICKEN PHARMACY**

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THANK YOU

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