

**FULLSTACK PROJECT**  
**(2020-2021)**

**Medical-Based Web Application**  
**SYNOPSIS**



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**Team Members**

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**Name / Title of the project:**

Medical-Based Web Application

**The problem statement:**

- Some of the Medical Store owners can't be able to keep track of his stock details which leads to an untimely shortage/loss of medicines or expiry of medicines.
- Some Medical Store owners won't give proper bills because they lack in time to make a handwritten bill for customers.
- Difficulty in managing a lot of medicines data/details.

**Reason for selecting the topic:**

- Difficulty in keeping track of medicines.
- Customers can't get a legal option if the exchange/return of the purchased medicine is not made by the store owner saying there is no bill.

**Objectives of the project:**

In this project, we are going to make a website where medical store owners can log in to our site through their respective mobile numbers and can manage their database of products.

Also, they can generate e-bills and print them.

**Literature Survey / Feasibility Study:**

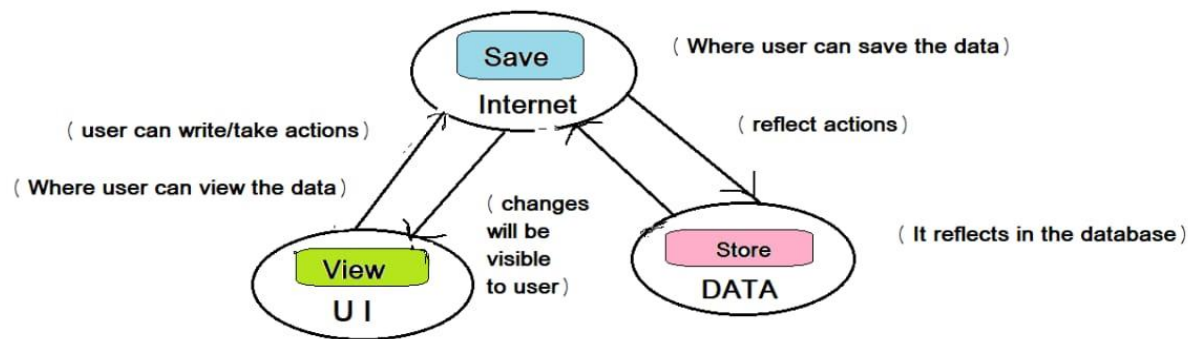
Yes, this project is feasible by the help of Web Development & Database Management System.

**Future Scope:**

In the future, we can expand this website for general store owners as well by which they can manage their products database and along with that they can also generate a bill.

## Methodology (including a summary of the project):

- Firstly, we will make a log-in page for the user, the user can sign-up on our website through his mobile number & then log-in after completing the sign-up process.
- After log-in into his account, he can get the option of adding medicine details into stock including details like quantity, price, expiry date, etc.
- He can also view the data of the stocks he has in his store so that there will be no untimely shortage/expiry of any medicine.
- He can also get a feature where he can type medicine name, quantity and can generate the bill for the customer.



## Requirements:

### Hardware:-

- Processor: i3 or above
- RAM: 4 GB or above
- Disc space: 20 GB (3 GB for database files + enough GB for shared documents, individual)
- Network card required

### Software:-

- Git package
- Visual Studio Code as IDE
- OPERATING SYSTEM: Windows 7
- DATABASE: MySQL or PostgreSQL
- FRONT-END: HTML, CSS, JAVASCRIPT, BOOTSTRAP4
- BACK-END: Java

**Testing technologies to be used:**

- Functionality Testing
- Usability testing
- Database Testing
- Compatibility testing
- Performance Testing
- Security testing
- Crowd Testing

**What contribution would the project make and where?**

It will help medical store owners to manage/arrange their database of products/medicines so that they can keep track of the items they have & also can generate bills.

**Scope for extension into a major project:**

Yes, we can expand it into a major project as an application for general store owners as well.

**Git information:**

Git Repository link of the project : <https://github.com/iamkushmittal/FullStack-Web-Development-Project>

**Conclusion:**

We made a website where medical store owners can log in to our site through their respective mobile numbers and can manage their database of products.

Also, they can generate e-bills and print them.

**References:**

- <https://hackr.io/tutorials/learn-bootstrap>
- <https://www.learn-html.org/>
- <https://bootstrapbay.com/blog/learn-bootstrap/>
- <https://www.w3schools.com/html>
- <https://www.udemy.com/html-css-bootstrap/>

