

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in Information Technology

By
Archana Chandrasekar

38120011



DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING
SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI – 600119. TAMILNADU

January 2021



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with "A" Grade by NAAC

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344

www.sathyabama.ac.in



SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the Bonafide work of who carried out the project entitled "Pharmacy management system" under our supervision from August 2020 to November 2020.

Internal Guide

Dr. V.MARIA ANU M.E.,PH.D.

Head of the Department

Dr. R. Subhashini M.E., Ph.D.,

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I Archana C(reg.no.38120011)hereby declare that the Project Report entitled **“Pharmacy Management System”** done by me under the guidance of **Dr. V.MARIA ANU M.E., Ph.D.**, at Sathyabama Institute of Science and Technology (Deemed to be University), Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119 is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology.

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge our sincere thanks to Board of management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey our thanks to **Dr. T. SASIKALA M.E., Ph.D., Dean, School of Computing** and **Dr. R. SUBHASHINI M.E., Ph.D., Head of the Department, Department of Information Technology** for providing us the necessary support and details at the right time during the progressive reviews.

I would like to express our sincere and deep sense of gratitude to our Project **Dr. V. MARIA ANU M.E., Ph.D.**, for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express our thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



INT: RE20S040

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **ARCHANA C** student of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, BTECH/IT** has undergone the Internship Training through online in our concern entitled **PYTHON** from **12th Aug 2020** to **26th Aug 2020** in relevant departments related to their academic studies.

During the above period, the performance was good & we wish great success in all your future endeavours.



Technology drives the world. We are the people who are behind the technology.

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No-31, 1st Floor, Alagesan Street, Tambaram West, Chennai-45.

Office : 044-42077204 | +91-8122266653

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ABSTRACT

Pharmacy Management System

This project entitled with Pharmacy Management System. This application developed using php technology as front end and backend is MYSQL.

Pharmacy Management system are employed in regulatory control and drug management, community pharmacy, hospital pharmacy, the pharmaceutical industry, academic activities, training of other health workers, and research. In all these fields, their aim is to ensure optimum drug therapy, both by contributing to the preparation, supply and control of medicines and associated products, and by providing information and advice and so on

Pharmacy management system can make the work easier by giving the details of the medicine when its name is entered. A computer gives the details of the medicine like rate of medicine. It becomes very difficult in big medical stores to handle the details of all the medicines manually, so by using this pharmacy manage system we can maintain the records of all the medicines.

A pharmacy information system must retrieve process and update the information it obtains for safe and effective use of drugs. It is used to manage drug usage in the patient health care process and to communicate a large volume of information to pharmacy and pharmaceutical firms. The pharmacy information system is normally used to support activities and the inventory. Pharmaceutical companies had developed some relationship, on marketing issues, with hospital pharmacies. The findings were in favor of further therapeutic activities by pharmacy information systems, which could be achieved by improving relationship between hospitals and pharmaceutical .

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LIST OF ABBREVIATIONS

ABBREVIATIONS

EXPANSION

HTML	HYPERTEXT MARK-UP LANGUAGE
CSS	CASCADING STYLE SHEETS
JS	JAVA SCRIPT
PHP	HYPERTEXT PREPROCESSOR

CHAPTER 1

INTRODUCTION

1.1 GENERAL

This project concerned about developing a Pharmacy Management System that will be used for retail and wholesale Pharmacies. The purpose of this project is to manage all data derived for a pharmacy to maintain their business through the system rather than recording their data manually which is more risk to the business to maintain and to avoid loss. According to my feasibility study of different pharmacies in Zanzibar and Main Land, I have reached different pharmacies and recognized that most of them are recording their data manually through book of accounts.

This type of recording data it makes them to incurred more loss or not for those who having a large stock of medicine. There are a lot of discrepancies of items in the stock, it is hard for them even to recognise their all customer's records; they cannot have even their weekly, monthly or a yearly report easily because of recording manually. Due to this challenge which cause to minimize a business profit I became with solution on how they can reduce risk and maximize their profit through "Pharmacy Management System"

1.2 OUTLINE OF THE PROJECT

Pharmacy management system is a system that consists of data entry, retrieval and monitoring stock, sale, customer records, debtor's and management administrator's records and determination of minimum quantity of each drug.

String searching technique is also applied.

The module involve are medicine management module, medicine search module, selling process module, medicine list module, user authenticate module, user registrations module, statistic of medicine sales module; date to date report module and report for all users when they sold any items through the system.

The following are specific objectives for this project ;

- To provide easily accessibility of customers management.
- To provide easily accessibility of sales report
- To minimize human errors
- To Provide optimal drugs inventory management by monitoring the drugs' movement in the pharmacy unit.
- To provide accessibility of Employees records etc.
- To provide accessibility of printing and prepare invoices for customers.
- We have developed this software for ensuring effective policing by providing statistics of the drugs in stock.
- The database is then connected to the main program by using interconnection of the Visual Basic program and the database already created.
- Pharmacy management system is useful to maintain correct database by providing an option to update the drugs in stock.
- This is pharmacy management system; it is used to manage most pharmacy related activities in the pharmacy

CHAPTER 2

AIM AND SCOPE

2.1 AIM

The main aim of the project is the management of the database of the pharmaceutical shop. This project is insight into the design and implementation of a Pharmacy Management System. This is done by creating a database of the available medicines in the shop. The primary aim of pharmacy management system is to improve accuracy and enhance safety and efficiency in the pharmaceutical store. The aim of this project is to develop software for the effective management of a pharmaceutical store.

2.2 PROBLEM STATEMENT

Pharmacy management system is a management system that is designed to improve accuracy and to enhance safety and efficiency in the pharmaceutical store. This program can be used in any pharmaceutical shops having a database to maintain. It is a computer based system which helps the Pharmacist to improve inventory management, cost, medical safety etc. The software used can generate reports, as per the user's requirements. Using this pharmacy management system user is also able to generate report within a specified period of time.

2.3 SCOPE

The system allows the user to enter a manufacturing and expiry date for a particular product or drug during opening stock and sales transaction. The software can print invoices, bills, receipts etc. It can also maintain the record of supplies sent in by the supplier. The system will also give report showing the list of products expiry after a specified date before the product eventually expires. The system services and goals are established by consultation with system user.

It also involves manual entry upon arrival of new batches of drugs and upon drug movement out of the pharmacy for a certain period. Pharmacy management system is being build. Pharmacy management system is robust, integrated technology. every month, the pharmacist may want to generate report for the movement of drugs in and out of the pharmacy, getting information about the drugs e.g. expiry date, date purchased, number of drug type left, location of a drug in the pharmacy. Pharmacy management system deals with the maintenance of drugs and consumables in the pharmacy unit. This pharmacy management system is user friendly.

CHAPTER 3

SYSTEM ANALYSIS AND DESIGN

3.1 GENERAL

3.1.1 OBJECTIVES OF PHARMACY MANAGEMENT SYSTEM

It is the user-friendly application for Pharmacist which reduces the burden and helps to manage all sections of Pharmacy like Medicine management and Billing etc., which improve the processing efficiency. This will enhance the efficiency of clinical work and ease patient's convenience, bearing in mind that in Ethiopia is heading towards pharmaceutical care of patients. It deals with the automating tasks of maintaining of Bills. In Pharmacy, Billing management is the key process. In addition, Pharmacy management system will be able to process drug prescription with ease. Including safe data store about medicine as well as fast searching, delete and update of medicines. The pharmacy management system is built for the sake of ensuring effective and clear data saving and manipulating as well as neat work on the pharmacy medical products.

PROBLEM IN THE EXISTING PHARMACY SYSTEM

At present, manual system is being utilized in the pharmacy. It requires the pharmacist to manually monitor each drug that is available in the pharmacy. Pharmacy management has kept paper record in filing cabinets. Managing a very large pharmacy with records on papers will be tedious and difficult to keep track of inventories with regards to the drugs in the store, expiry date, quantity of drugs available based on the categories and their functions. This implies that these services will be manually completed by the pharmacist.

This usually leads to mistakes as the workload of the pharmacist increases. This system also ensures that there exists a level of restricted access based on functionality and role. This system also provides optimal drug inventory management by monitoring the drug movement in the pharmacy. Significant amount of time is allocated for writing the order as the pharmacist needs to go through the stock balance and make rough estimate of the amount to order based on Figures. The system will not be able to handle drug prescription, drug to drug interaction.

The pharmacist has to order drugs to replenish the already diminishing stock. In addition, ordering of drugs is being carried out manually. Drugs are not supposed to be used after they have expired. The set-up of this pharmacy management system will ensure availability of sufficient quantity of drugs and consumable materials for the patient.

This project work will prompt the pharmacist about drugs that are close to expiry, preventing those drugs from being sold and also providing solution to the earlier stated problems. Pharmacy management system helps in storing the daily transactions of medicines. Some files of Pharmacy Management System in C#.Net application include: Introduction to Pharmacy Management System Project: The .Net frame work is a platform for designing various software, website and operating system. pharmacy. management system project work.

3.3 ALGORITHM

Feasibility Study

A feasibility analysis involves a detailed assessment of the need, value and practicality of a proposed enterprise, such as systems development. The process of designing and implementing record keeping systems has significant accountability and

resource implications for an organization. Feasibility analysis will help you make informed and transparent decisions at crucial points during the developmental process to determine whether it is operationally, economically and technically realistic to proceed with a particular course of action.

Most feasibility studies are distinguished for both users and analysts. First, the study often presupposes that when the feasibility document is being prepared, the analyst is in a position to evaluate solutions. Second, most studies tend to overlook the confusion inherent in system development – the constraints and the assumed attitudes.

Operational feasibility

People are inherently resistant to change, and computers have been known to facilitate change. An estimate should be made of how strong a reaction the user staff is likely to have toward the development of a computerized system. It is common knowledge that computer installations have something to do with turnover, transfers, retraining, and changes in employee job status. Therefore, it is understood that the introduction of a candidate system requires special effort to educate, sell and train the staff on new ways of conducting business.

Technical feasibility

Technical feasibility centers around the existing computer system (hardware, software, etc.) and to what extent it can support the proposed addition. For example, if the current computer is operating at 80 percent capacity – an arbitrary ceiling – then running another application could overload the system or require additional hardware. This involves financial considerations to accommodate technical enhancements. If the budget is a serious constraint, then the project is judged not feasible.

Cost/ Benefit analysis

Economic analysis is the most frequently used method for evaluating the effectiveness of a candidate system. More commonly known as cost benefit analysis, the procedure is to determine the benefits and savings that are expected from a candidate system and compare them with costs. If benefits outweigh costs, then the decision is made to design and implement the system.

Otherwise, further justification or alterations in the proposed system will have to be made if it is to have a chance of being approved. This is an ongoing effort that improves in accuracy at each phase in the system life cycle.

Costs:

- Cost of new computer approximately Rs. 22,000/-
- Cost of operating system approximately Rs. 5000/-

Benefits:

- Avoids tedious typing task
- Faster document retrieval
- Saving storage space
- Keeps data secure
- Easy to use, update and maintain

CHAPTER 5

CONCLUSION AND FUTURE WORK

5.1 CONCLUSION

Effective implementation of this software will take care of the basic requirements of the pharmacy management system because it is capable of providing easy and effective storage of information related to activities happening in the stipulated area. With these, the objectives of the system design will be achieved.

In order to allow for future expansion, the system has been designed in such a way that will allow possible modification as it may deem necessary by the pharmacy management, whenever the idea arises.

5.2 FUTURE WORK

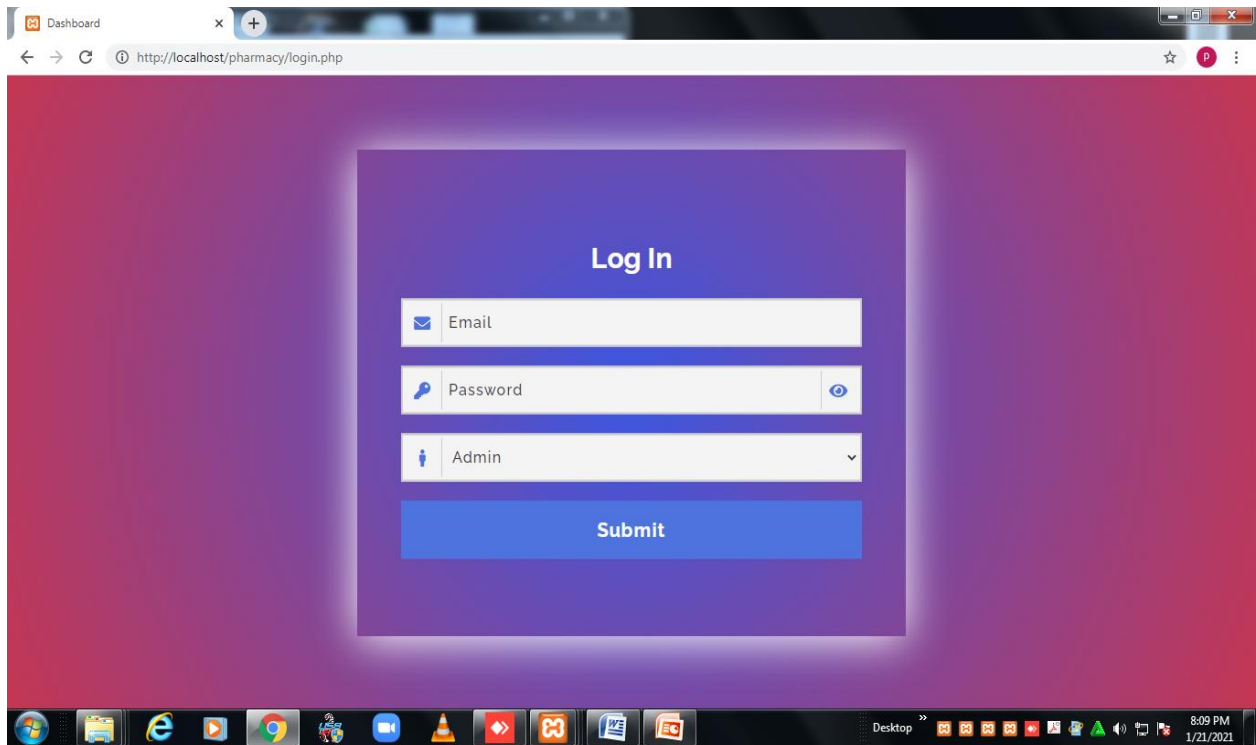
This project can be further implemented by using CSS language for a better look and a better presentation. The latest web developing languages namely JQUERY, CSS3, React and NODEJS to obtain a better appearance of the web application.

REFERENCES:

- HTML & CSS: responsive Web design with HTML5 and CSS- Ben Frain
- HTML – <https://www.w3schools.com/html/default.asp>

APPENDIX

SCREENSHOTS



Dashboard

http://localhost/pharmacy/index.php

AR PHARMACY

Dashboard

Add Manager

All Manager

Add Pharmacist

All Pharmacist

Add Salesman

All Salesman

AR PHARMACY

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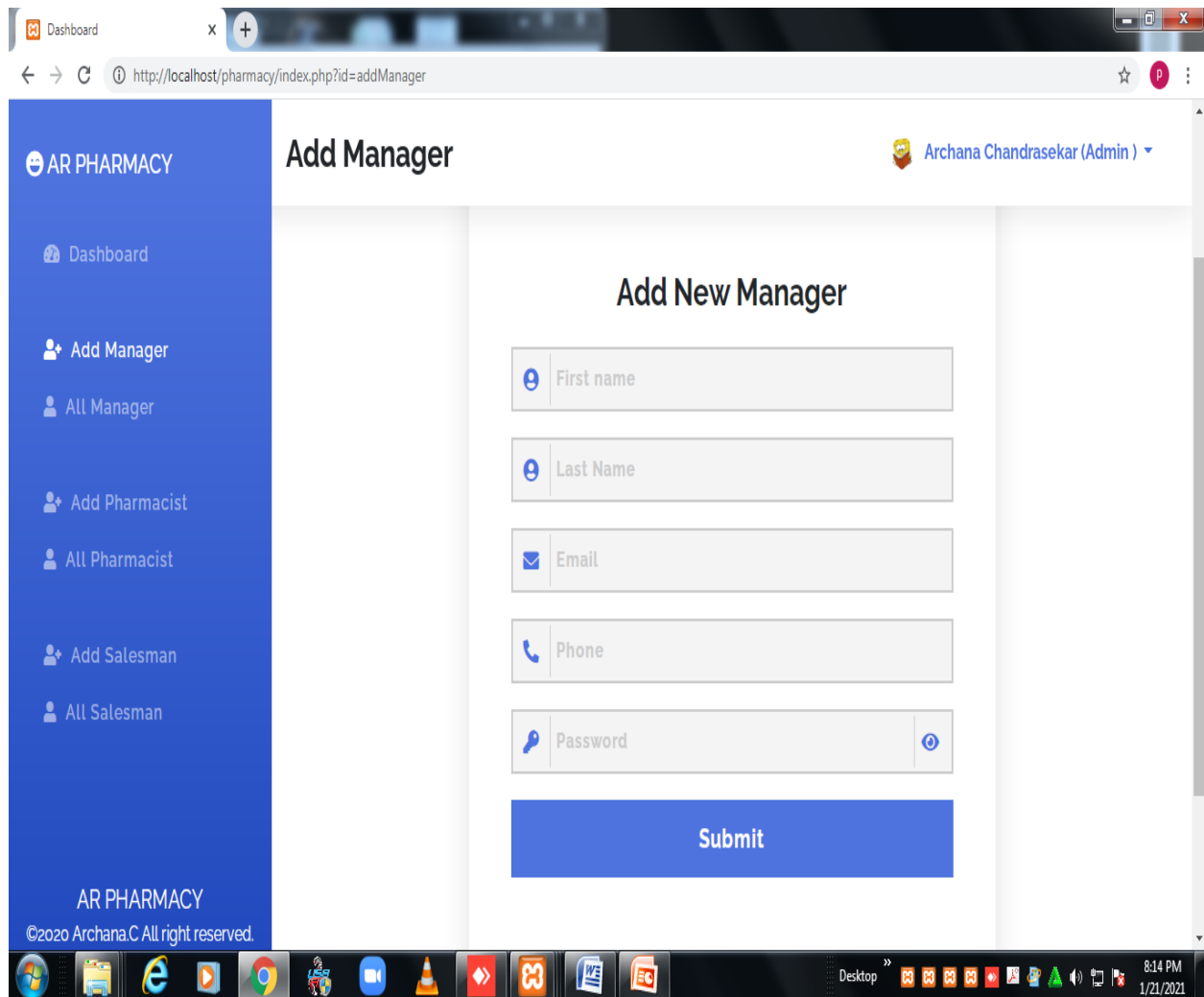
DashBoard

Archana Chandrasekar (Admin)

2453 Total Sell	1 Manager	6 Pharmacist	1 Salesman
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Dashboard x +

← → ↻ http://localhost/pharmacy/index.php?id=allManager ☆ P ⋮

AR PHARMACY

Dashboard

Add Manager

All Manager

Add Pharmacist

All Pharmacist

Add Salesman

All Salesman

AR PHARMACY

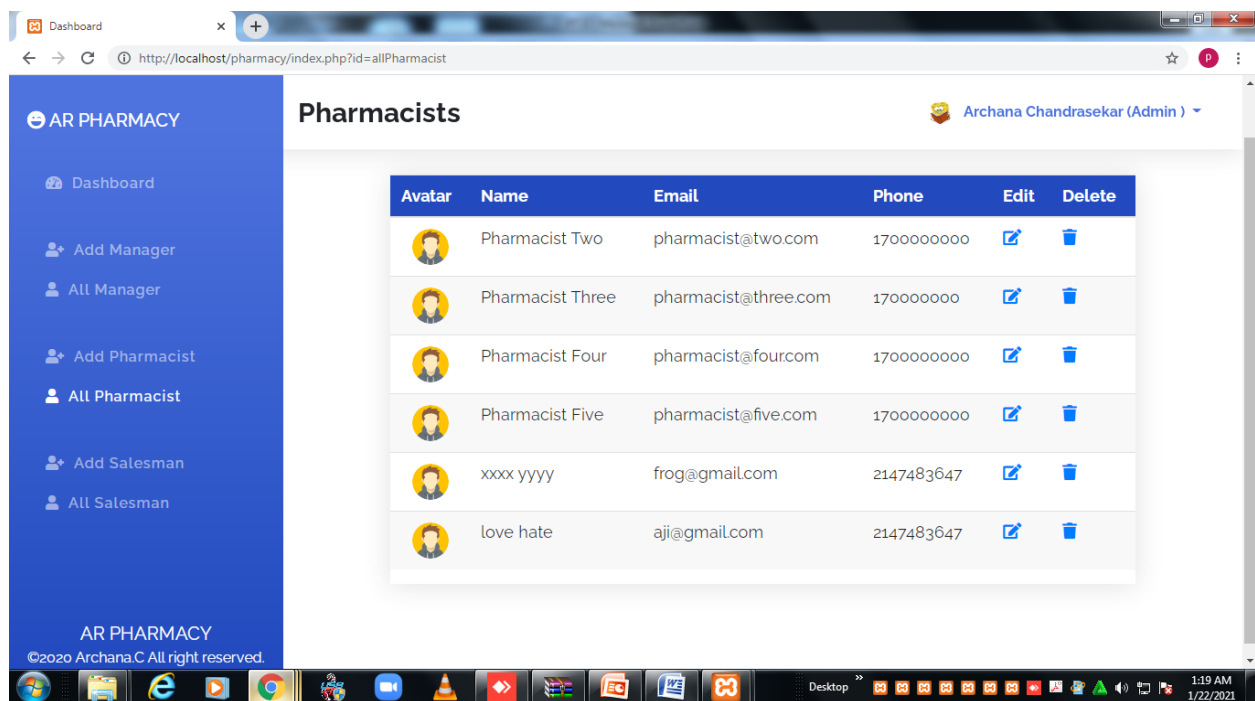
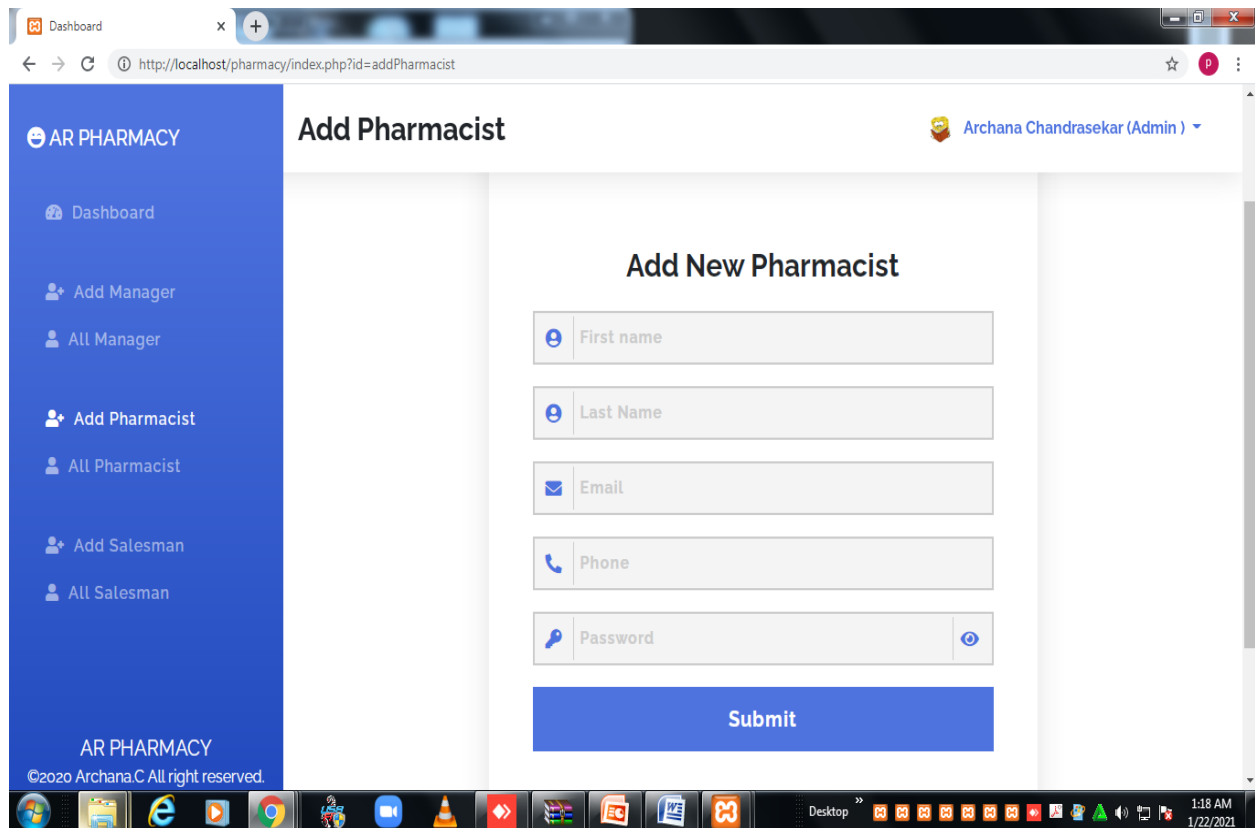
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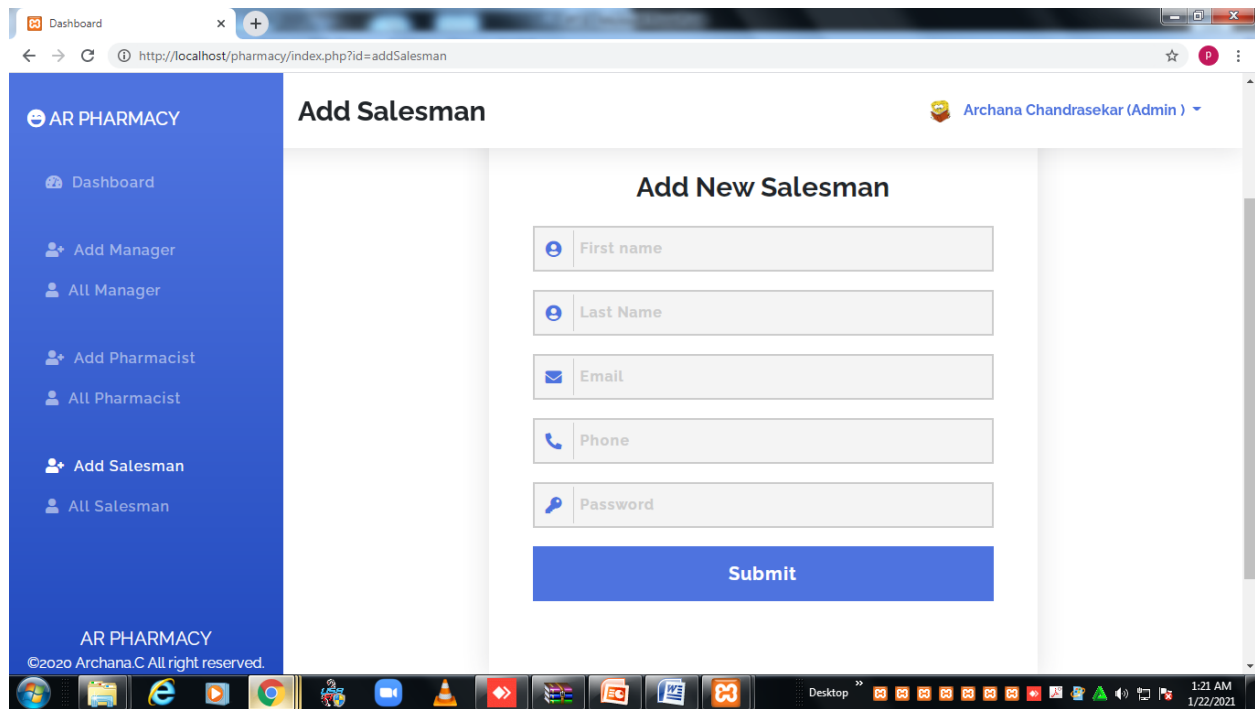
Managers

Archana Chandrasekar (Admin) ▾

Avater	Name	Email	Phone	Edit	Delete
	xxx yyy	zzz@gmail.com	9874563280		

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THANK YOU