



Deccan Education Society's

FERGUSSON COLLEGE  
(AUTONOMOUS), PUNE-4

**Department of Computer Science**

A

Project Report

On

**Online Optical Shop**

By

1. Gayatri Patil      226206
2. Purva Kale        226217
3. Revati Jadhav    226218

[2022-2023]

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Report on

Online Optical shop

In partial fulfillment of requirements of the completion of F.Y.M.Sc  
(C.S.)Semester-I

**Master of Science Computer Science**

**(CSC4106) Computer Science project-1**

Submitted By:

- 1. Gayatri Patil    226206**
- 2. Purva Kale      226217**
- 3. Revati Jadhav   226218**

Under the guidance of:

**Mr. Irfan Khatik**

## **CERTIFICATE**

This is to certify that the project entitled **ONLINE  
OPTICIAN SHOP**

Completed by

1.Gayatri Patil

2.Purva Kale

3.Revati Jadhav

in partial fulfillment of the requirement of the  
completion of M.Sc(C.S.)Semester-I, has been  
carried out by team under my guidance  
satisfactorily during the academic year 2022-  
2023.

**Place :** Pune

**Date:**    /    /2023

Mr.Irfan Khatik

**Project Guide**

**Internal Examiner:**

(Dr.Kavita A.Khobragade)

**Head, Computer Science  
Department**

**External Examiner:**

## ACKNOWLEDGEMENT

We have taken efforts in this project. However, it would not have been possible without the kind support and help of **Mr. Irfan Khatik** (Project guide). We would like to extend our sincere thanks to all who helped us throughout the project.

We are highly indebted of Irfan sir for her guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

Our thanks and appreciations also go to our batch mates in developing the project and people who have willingly helped us out with their abilities.

<b>Gayatri patil</b>	<b>226206</b>
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## **1. INTRODUCTION**

- 1 This Optician Shop Management system using php was designed to manage the optician information such to produce optical important information Business is one of the most important economy generators for each country and since the dawn of the twentieth century, all business companies turned to technology to better improve their business chances and qualities. Thus, such is reasons of the developed for the optical business, where it will be implemented in each of the shop outlet of an optical company. The system name is Optical Shop Management(OSM). The system is developed for the purpose of making management much more systematic, secure and efficient OSM consist of modules which are login, transaction management and financial management.
- 2 Main feature you can add customer details who want to buy your product you can modify or edit customer details you can your Add Product details, spectacles details, sunglass, Computer glass also you can edit product details use sale product from for sale information and generate bill .you can also print receipt. generate report for customer, product and sales.
- 3 Optical Shop Management project is implemented in PHP language. For database MYSQL has been used. There also we used HTML and CSS. This is an online shopping project for purchasing optical glasses, frames and others eye wears. In this project have 2 module firstly here admin can login, after than login admin can details with delete option. You can also delete the through frame of the deletion option admin can view booked frame by user. In this Optical shop management project application user can register account and then can fill a login form after
- 4 that user can see different types of frames and consult with your problem and book frame with online payment.

## **1.1 Problem Definition**

Managing your online optical shop management system may seem tricky, but an optical shop management system is a part of E-commerce Services System (Application support direct contact and users)

- Existing Systems are not user friendly.
- Admin panel need improvement for getting more options for easy working.
- Optical shop management system searching option need more filters.

## **1.2 Need for New System**

There is always a need of a system that will perform to search and buy

Now optical shop online shopping, online according to services

Thus, there is a big need of online Optical Shopping services, which provides all the Above- mentioned facilities and many more.

The Problem statement of this project is the current management system is filing system to records the sales, customers, staff, stock record and there are no well inventory management.

### **1.3 Overview of the Project**

The project is basically targeted at those people who would like to Optical shop and have an internet access.

This is a web application it contains most of the features of an online Shopping website. This application runs over the internet. So, it is Available for customers 24X7. They can shop anytime and from any Where. payment Option is through credit card. This system also maintains stock of all the products being sold online.

Optical shop management is implemented in PHP language. For Database MySQL, has been used. They also used HTML & CSS. This is an online shopping project for purchasing optical glasses, Frames and other eye wears. In this project have 2 module first is is user and second one is admin. Firstly, here admin can login, after than login admin can add frame and view frame and add glass and view glass and view glass details with delete option. You can also delete through frame of the deletion option admin can view booked frame by user. In this Optical shop project application user can register account and them can fill a login from that, user can see different type of frame and consult with your problem and book and consult with your problem and book frame with online payment.



**Features of Online Optical Shop are:**

- ❖ Online Shopping Websites.
- ❖ When product Stock goes below reorder level it's reflect on its admin homepage.
- ❖ Being online its available to user 24x7.
- ❖ Now customer do not need to visit optical store.
- ❖ They can buy Optical product online

**Goal of Online Optical Shop are:**

- The project is basically targeted at those people who would like Optical Shop and have an Internet access.
- Finally, Glass lovers curious in comparing the prices for various glasses for their selected category.
- To make a database that is consistent, reliable and secure.
- To provide correct, complete, ongoing information.
- To make good documentation to facilitate possible future enhancement.

## **2. Analysis**

### **2.1 Feasibility Study**

#### **Technical feasibility**

This system is self-explanting and does not need any entire sophisticated training. A System has been built by concentrating on the graphical uses interface concept, the Application can also be handle very easily with a novice users. The overall that a user need to get trained is less than 15 minutes

- HTML
- CSS
- JAVASCRIPT
- Notepad++
- Bootstrap
- PHP
- MySQL
- xampp

Each of these technologies is freely available and the technical skills required are manageable.

Initially the website will be hosted on the local host but later for implementations it will be hosted in a paid web hosting space with sufficient bandwidth from these aspects as of now the project Optically technically feasible.

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### **Economic Feasibility**

It refers to the benefits or Outcomes we are deriving from the product as compared to the total cost we are spending for developing the benefits are more or less the same as the older system then it is not feasible to develop the product.

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### **Operational Feasibility**

It refers to the feasibility of the product to be operational. Some product may work very well at the design and implementation but many fail in the real time environment. It introduces the study of human resources required and their technical expertise.

## **2.2 Hardware Requirement**

### **Hardware Specification**

Minimum system requirements are:

- Ram: 4 GB
- Processor: AMDA processor
- Hard Drive: 500 GB

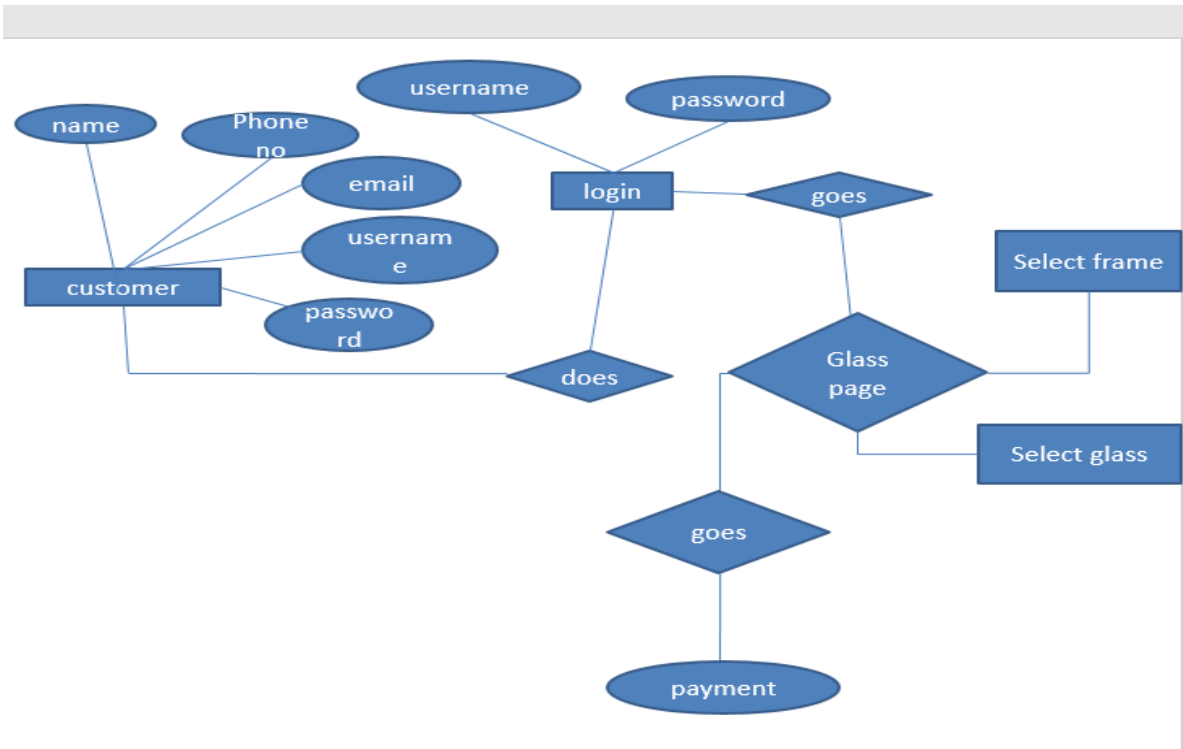
### **Platform**

**Platforms used to build Optical Online shop are:**

- Operating System: Windows
- Language: HTML, CSS, JavaScript, PHP
- Database: My SQL

### **3.DESIGN**

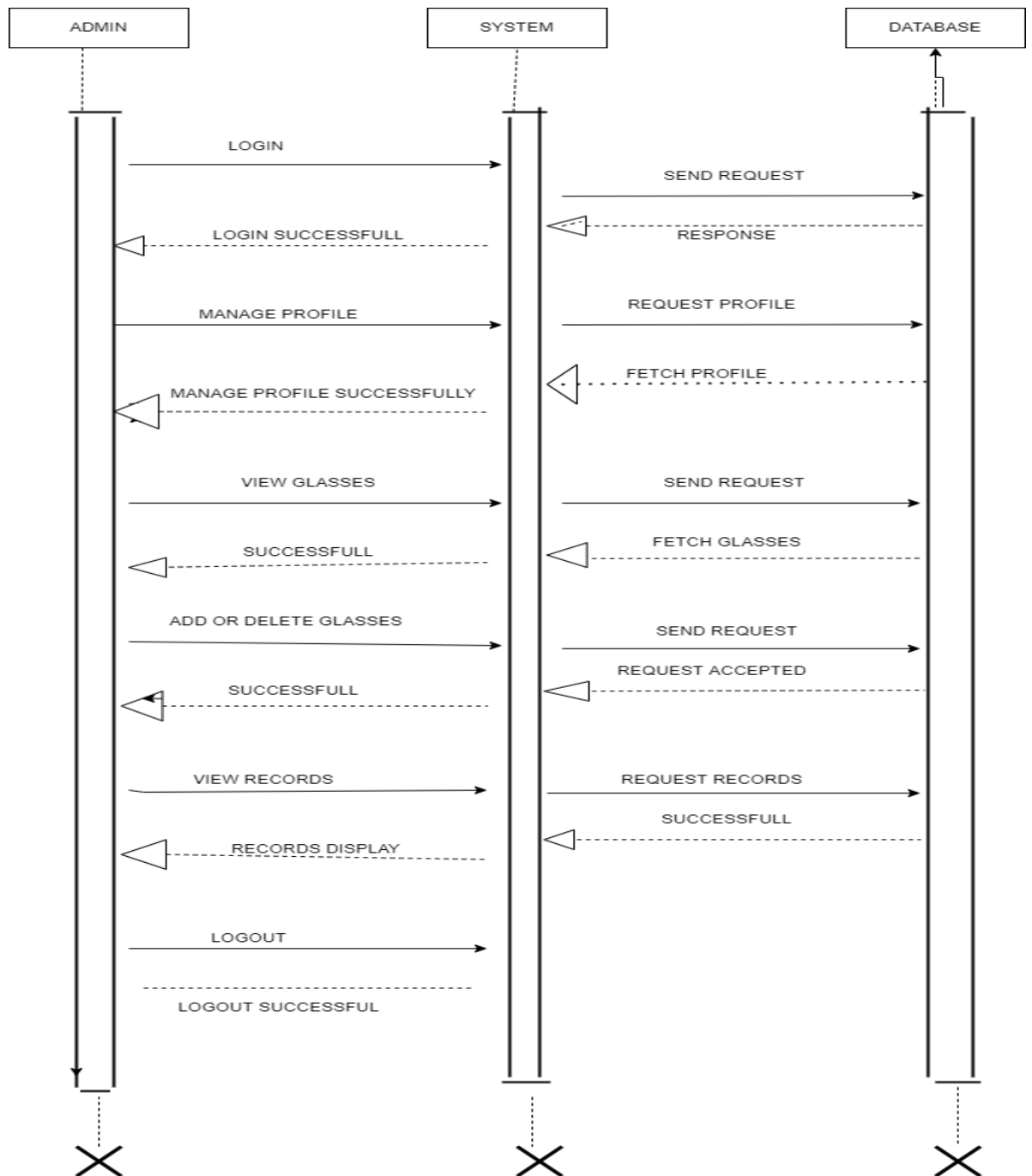
#### **3.1 Database Table Designing (ER diagram)**



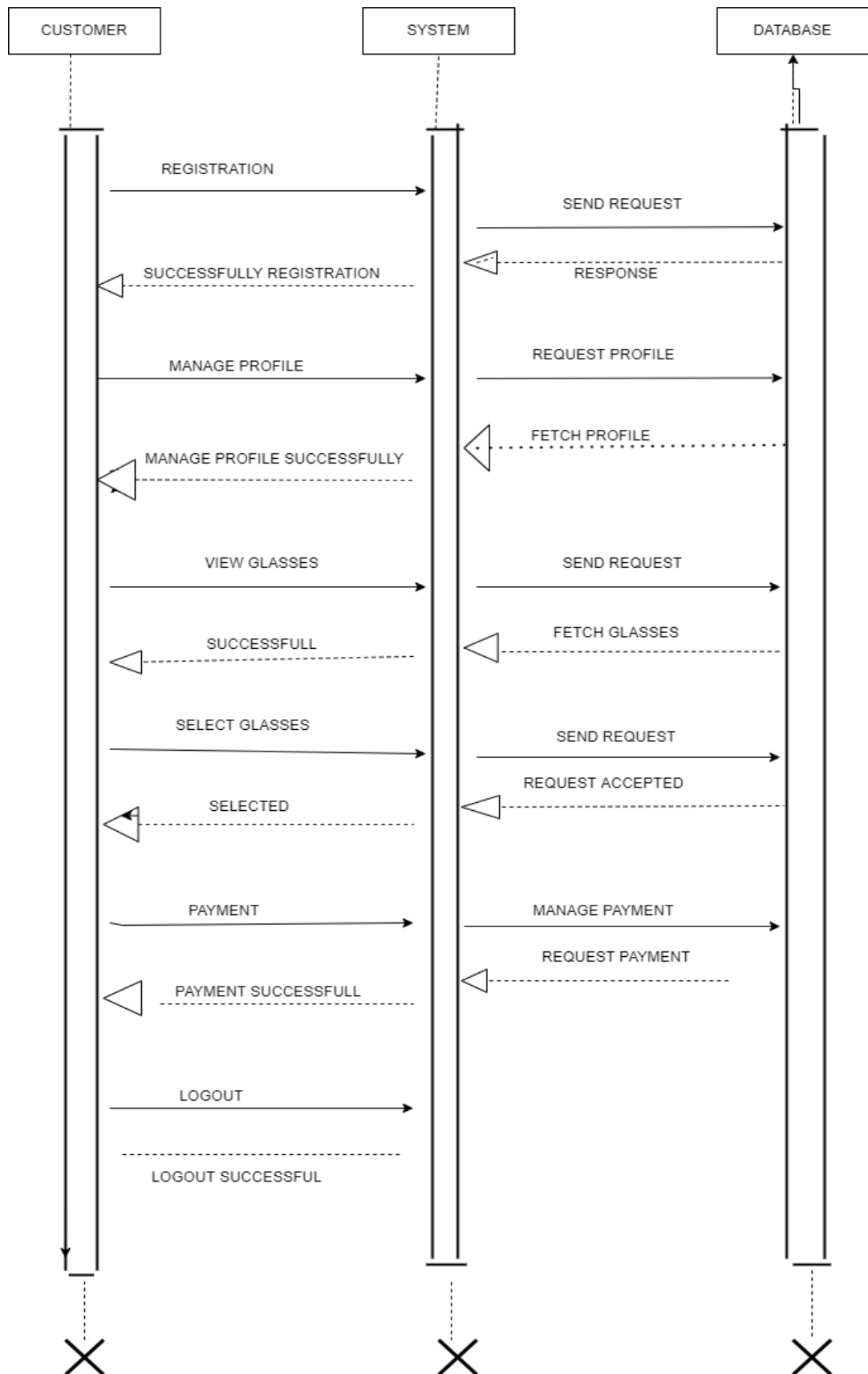
### 3.2 UML Diagram

#### Sequence Diagram

##### Admin side



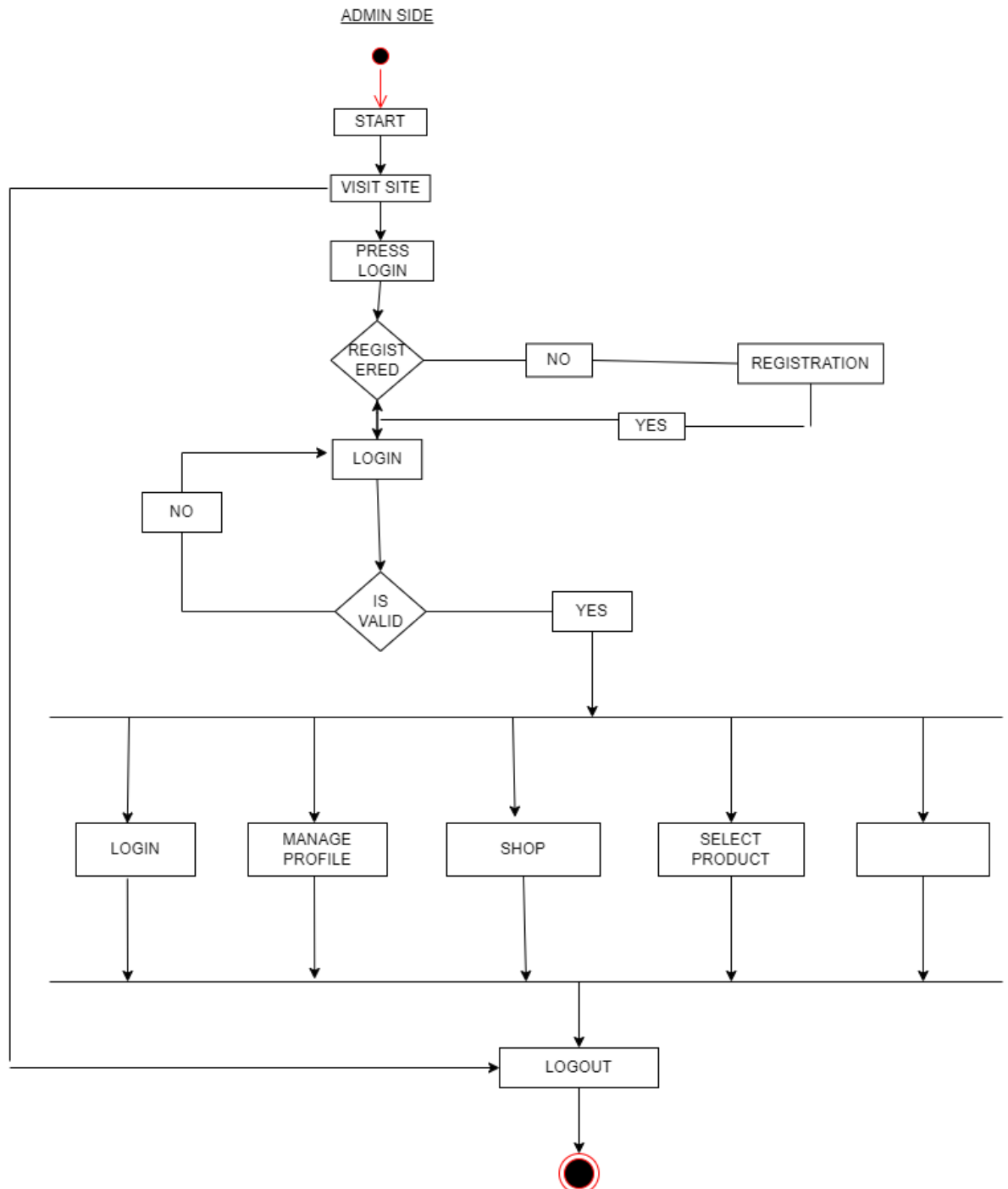
## User side:



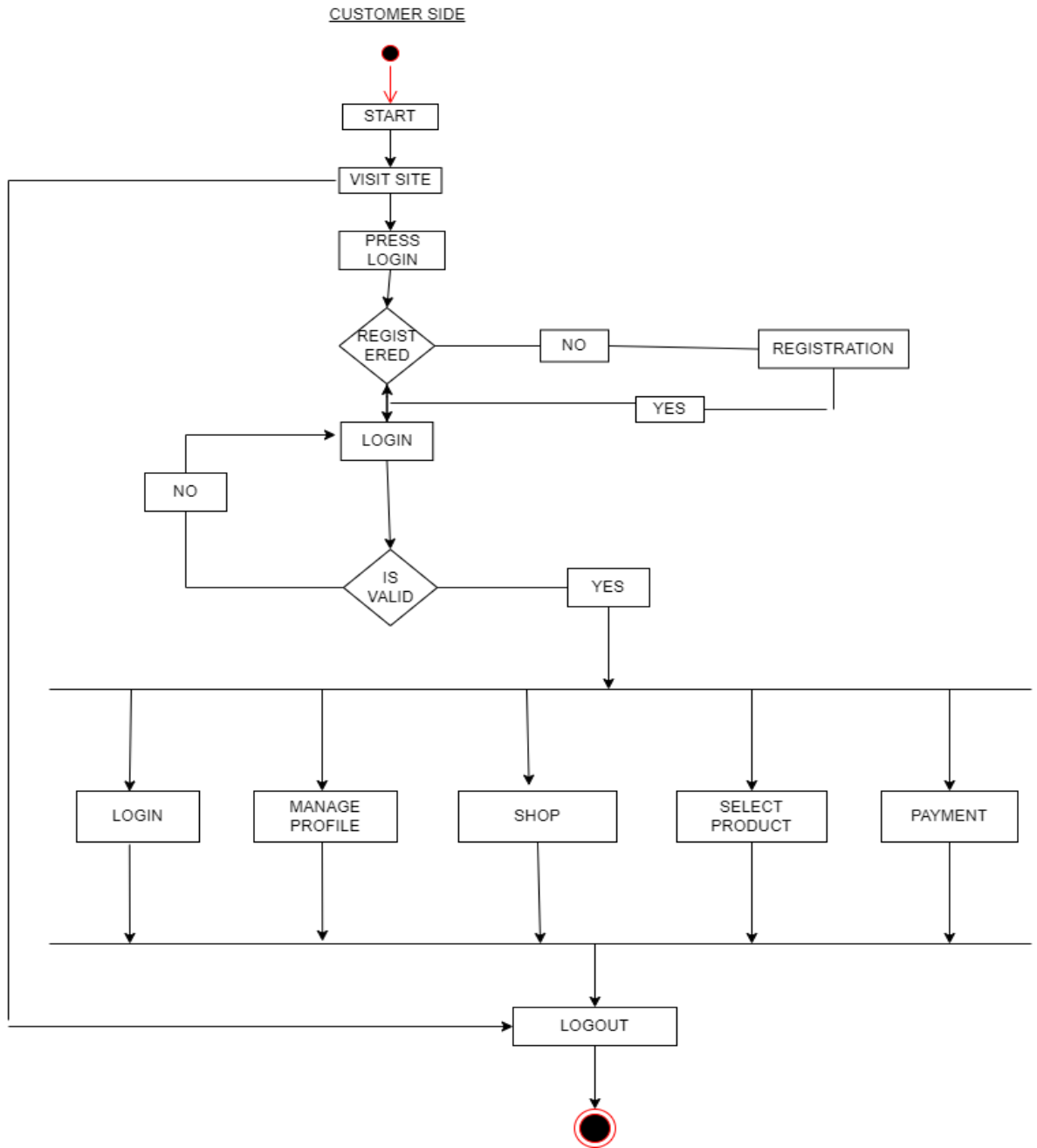


## Activity Diagram

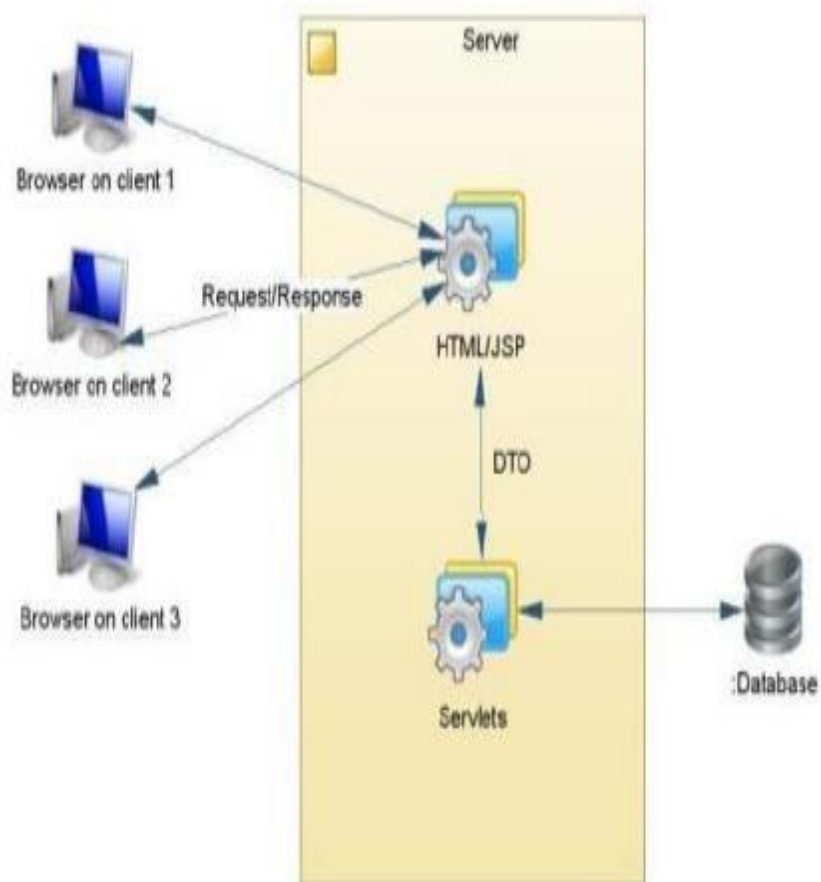
### Admin side



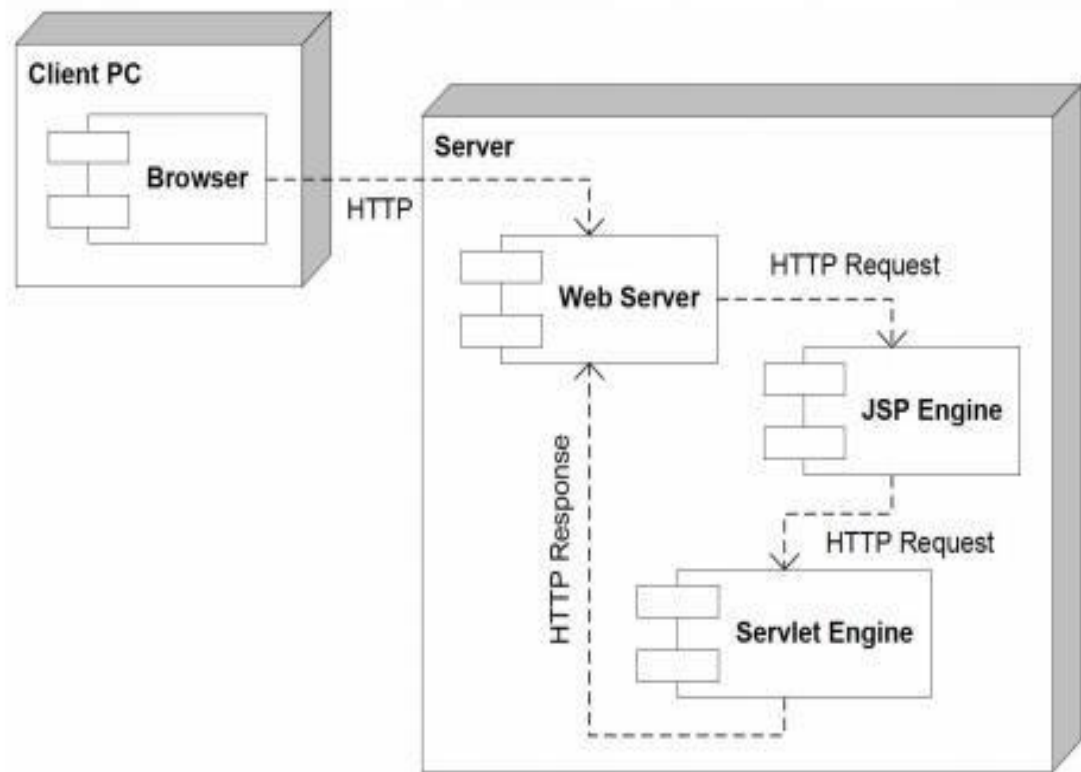
## User side



## Component Diagram



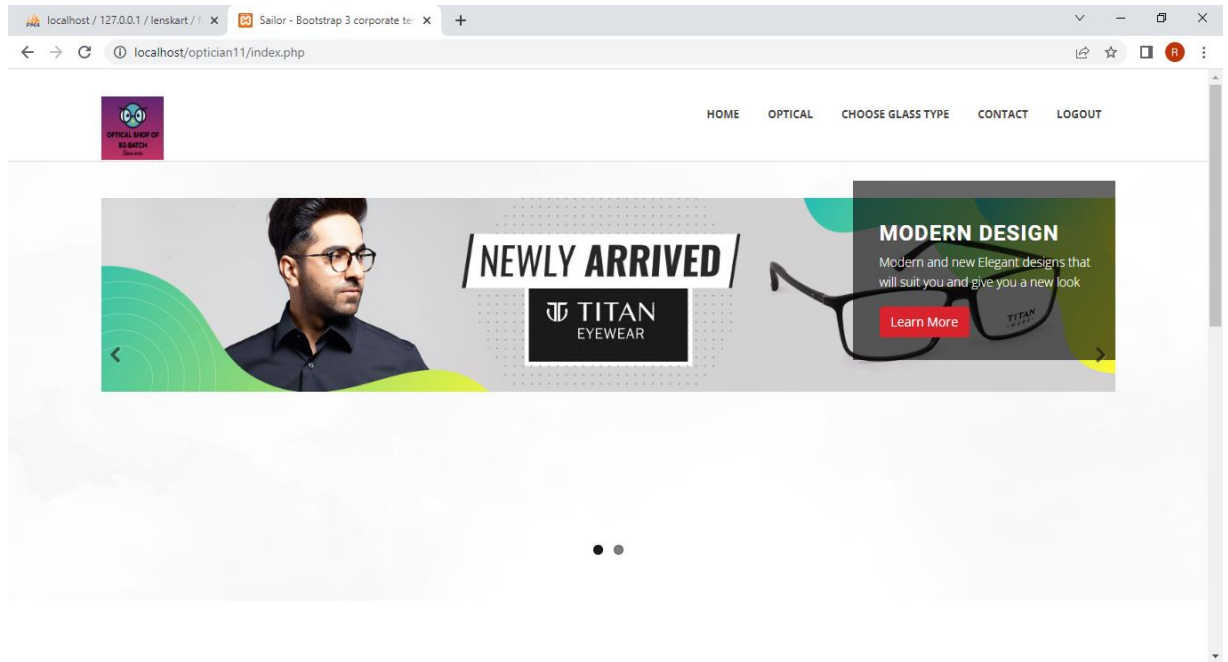
## Deployment Diagram:



## 3.3 Input and Output Screens

### Homepage

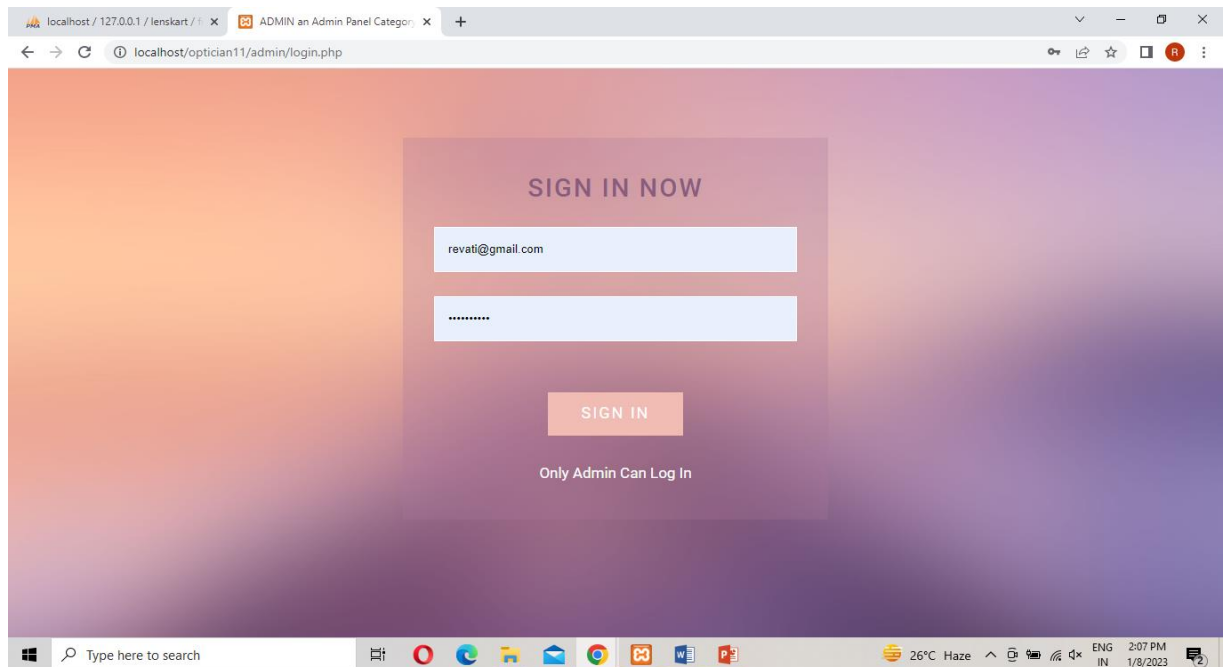
SSSSS



### User side(register)

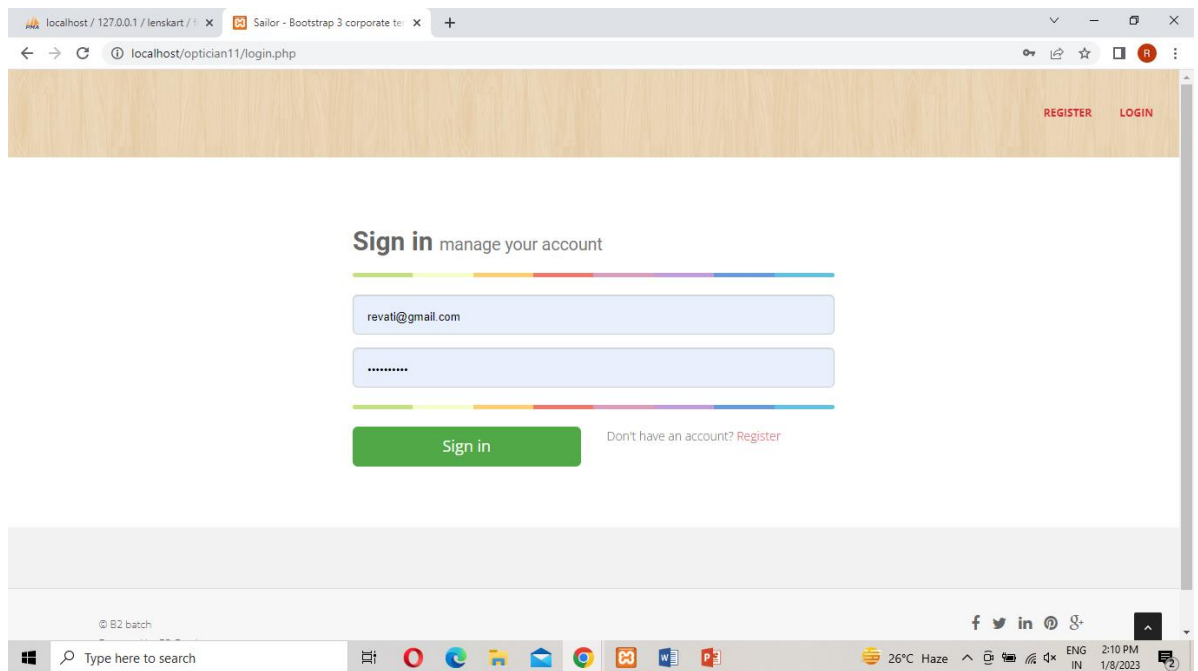
A screenshot of a web browser displaying the registration page of the optical shop. The browser's address bar shows 'localhost/optician11/register.php'. The page has a navigation bar with links: HOME, OPTICAL, CHOOSE GLASS TYPE, CONTACT, and LOGOUT. The main content area is titled 'Please Sign Up' with the subtitle 'It's free and always will be.' Below the title is a horizontal bar with a rainbow gradient. The registration form consists of five input fields: Name, Mobile, Email Address, Password, and Confirm Password. Below the form is a red 'Register' button. To the right of the button is a link that says 'Already have an account? Sign In'. The Windows taskbar is visible at the bottom of the screen.

## Admin side



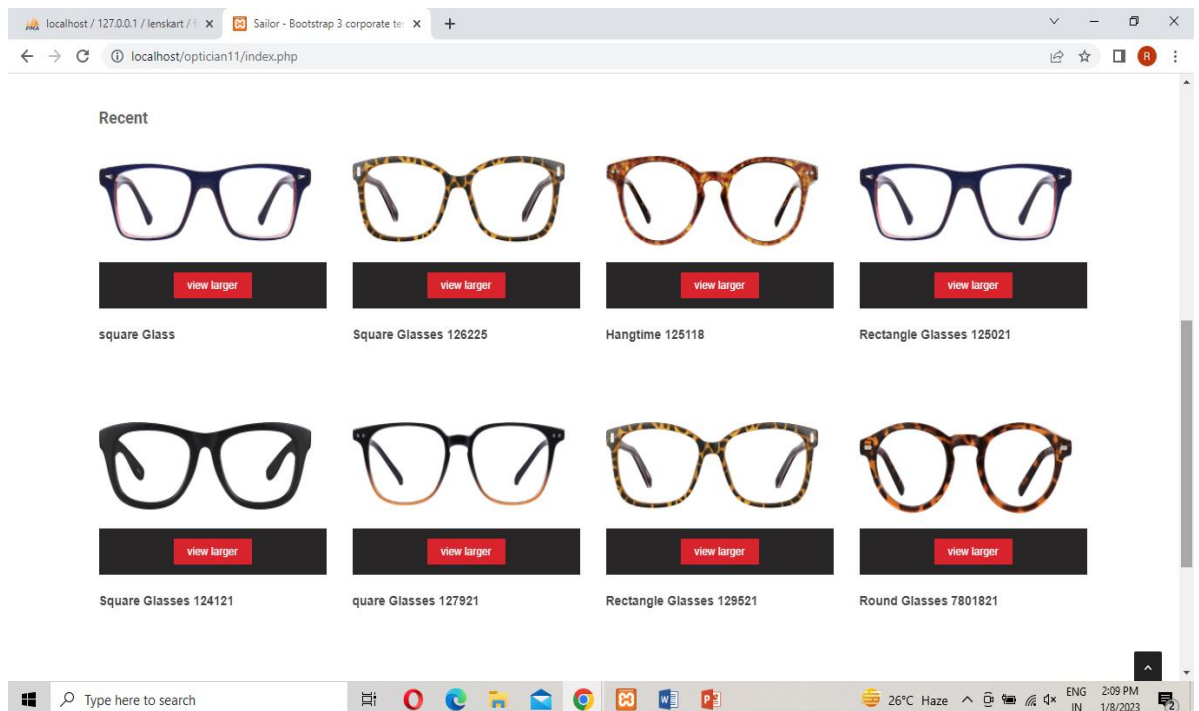
A screenshot of a web browser displaying an admin login page. The browser's address bar shows the URL `localhost/optician11/admin/login.php`. The page has a purple-to-orange gradient background. In the center, there is a white box with the text "SIGN IN NOW" at the top. Below this, there are two input fields: the first contains the email `revati@gmail.com`, and the second contains masked characters (dots). Below the input fields is a pink button labeled "SIGN IN". Underneath the button, the text "Only Admin Can Log In" is displayed. The browser's taskbar at the bottom shows various application icons and system information, including the date and time (2:07 PM, 1/8/2023).

## User side login

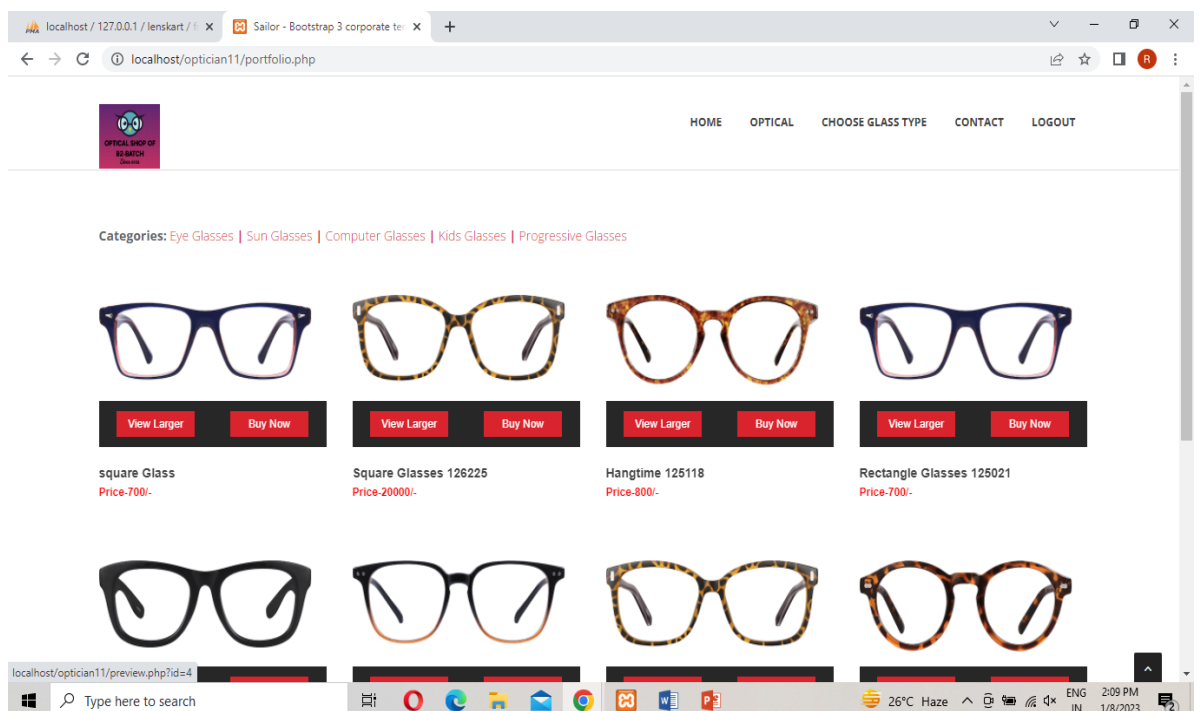


A screenshot of a web browser displaying a user login page. The browser's address bar shows the URL `localhost/optician11/login.php`. The page has a light wood-grain header with "REGISTER" and "LOGIN" links on the right. Below the header, the text "Sign in manage your account" is followed by a horizontal bar with a rainbow gradient. Underneath, there are two input fields: the first contains the email `revati@gmail.com`, and the second contains masked characters (dots). Below the input fields is a green button labeled "Sign in". To the right of the button, the text "Don't have an account? Register" is displayed. The browser's taskbar at the bottom shows various application icons and system information, including the date and time (2:10 PM, 1/8/2023).

## New frame pages:



## Glass types




## Glass Details

localhost/Optician/preview.php?id=1

HOME OPTICAL CHOOSE GLASS TYPE CONTACT LOGOUT

### Square Glass



#### Information

Name- square Glass

Frame Price-700/-

Lense Price-200/-

Lense--1.4

Right Eye Power--1.4

Left Eye Power-2

Total Amount-900/-

#### Description-

Rim: Full Rim Shape: Square Material: TR Feature: Custom engraving , Lightweight , Universal Bridge Fit

Tags: Holiday Eyewear Frame Width: 137 mm Lens Width: 50 mm Bridge: 19 mm


Payment

## Payment

localhost/optician/payment.php

localhost/optician/payment.php?m=1100

#### Payment Details



CARD NUMBER

Valid Card Number

EXPIRATION DATE

MM / YY

CVC CODE

CVC

Amount in ₹

1100

payment

Taskbar: Link, admin, login.php, Visa, localhost/opti..., XAMPP Cont..., Savitribai Phul..., Online optical..., Photos, 09:33 AM



## Admin

### Dashboard

The screenshot displays a web application interface for an admin dashboard. The browser's address bar shows the URL `localhost/optician11/admin/index.php`. The dashboard features a dark purple sidebar on the left with the following menu items: DASHBOARD, ADD GLASSES, ADD FRAMES, VIEW GLASSES, VIEW FRAMES, ADD GLASS TYPE, VIEW TYPE, VIEW SALE PRODUCT, and LOGOUT. The main content area has a light orange header with the word "ADMIN" and a notification bell icon. Below the header, a "CALENDAR WIDGET" is visible, showing a calendar for January 2023. The calendar grid includes days of the week (SUN to SAT) and dates from 1 to 31. The date 8 is highlighted with a black background. The Windows taskbar at the bottom shows the search bar, task view button, and several open applications including Edge, File Explorer, Mail, Chrome, and Word. The system tray on the right indicates a temperature of 26°C, Haze weather, and the date/time as 2:01 PM on 1/8/2023.

ADMIN

- DASHBOARD
- ADD GLASSES
- ADD FRAMES
- VIEW GLASSES
- VIEW FRAMES
- ADD GLASS TYPE
- VIEW TYPE
- VIEW SALE PRODUCT
- LOGOUT

CALENDAR WIDGET

JAN 2023

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Type here to search

26°C Haze

ENG IN 2:01 PM 1/8/2023

## AddGlass:

**ADMIN**

**ADD GLASSES**

Name :

Image  No file chosen

Price :

Description :

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## Viewglass

**ADMIN**

**VIEW BUSES**

ID	Name	Image	Price	Description	Delete
1	Square Glass		700	Rim: Full Rim Shape: Square Material: TR Feature: Custom engraving , Lightweight , Universal Bridge Fit Tags: Holiday Eyewear Frame Width: 137 mm Lens Width: 50 mm Bridge: 19 mm	<input type="button" value="Delete"/>
2	Square Glasses 126225		20000	Rim: Full Rim Shape: Square Material: Other Plastic Feature: Custom engraving Tags: Teen Glasses , All Kids Eyeglasses , Teen Girls Glasses , Teen Guys Glasses Frame Width: 137 mm Lens Width: 53 mm Bridge: 17 mm	<input type="button" value="Delete"/>
3	Hangtime 125118		800	Rim: Full Rim Shape: Rectangle Material: Other Plastic Feature: Custom engraving Frame Width: 139 mm Lens Width: 53 mm Bridge: 16 mm	<input type="button" value="Delete"/>



**4. Testing****4.1 Test Case Design**

Sr.no	Page	Input Case	Expected case	Actual Result	Pass/Fail
1.	Sign up Page	1]Wrong Email input	Enter valid Email id	Enter valid Email	Pass
		2]Miss matched Password	Please enter valid password	Enter valid password	Pass
2.	Login Page	1]Empty name	Enter name	Enter name	Pass
		2]empty phone no	Enter phone no	Enter phone no	Pass
		3]empty email	Enter valid email	Enter valid email	Pass
		4]wrong password	Enter valid password	Enter valid password	pass
3.	Choose frame	choose two frame at a time	Choose one frame at a time	Choose one frame at a time	Pass

4.	Choose glass	Choose two frame at a time	Choose one at a time	Choose one at a time	Pass
5.	Sign out	Click sign out button	Sign out	Sign out	Pass

## **5.Limitations and Future Enhancement**

Besides the above achievements and the successful completion of the project, we still feel the project has some limitations, listed as below:

- It is not a large-scale system.
- Only limited information provided by this system.

### **Future Enhancement**

- This project can be made for all browser/ OS.
- Higher Security features can be included in this
- Program scheduling can also be included in this project.
- This software can be developed to use as tutorial to teach basic concepts of OS to new users.
- Automation through SMS service can be implemented in this project for few features

## **6. Conclusion**

The project was successfully designed and is tested for accuracy and quality. This system has been developed for OM OPTICAL SHOP. The current system is a manual system. In order to overcome the drawbacks in the current system a decision to automate some of the department of the optical shop business. It reduces drawback of manual system like provide security time consuming, do not require any extra storage, easily modify the data, fast and accurate. This System provide better service to the customer.

## **7.References and Bibliography**

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  - [www.projecttunnel.com](http://www.projecttunnel.com)
- **FOR MY SQL**
  - <http://www.mysql.com/>
- **FOR CSS**
  - <http://cssed.sourceforge.net/>