A

PROJECT REPORT

ON

*“Hostel Management System”*

SUBMITTED TO



PUNYASHLOK AHILYADEVI HOLKAR SOLAPUr University, SOLAPUR

***BY***

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**[2022-2023]**

**Under The Guidance Of**

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Tal:-Malshiras, Dist:-Solapur.



CERTIFICATE

Date: / /2022

This is to certify that,

The report entitled **“HOSTEL management system”** has been carried out by Magar Mayur Malhari Ana And Nanware Hairshchandra In project fulfillment for award of Degree in Bachelor of Computer Science (BCS-III) as per the requirement of ***PunyashlokAhilyadevi Holkar solapur University****,* ***Solapur*** in academic year 2022-2023.

SEEN BY

Project Guide External Examiner Head of Department

**ACKNOWLEDGEMENT**

The development of system involves contribution of time & efforts of many peoples. We have acknowledged their help individually by expressing our hearts gratitude to all of them.

We must express our sincere thanks to principal **Dr. Gadare Sir.** and head of department **Prof. Dawkare R. R.** &***Prof. Tamboli.F.A.*** entire staff for their valuable guidance & supports. Our deep sense of gratitude also goes to all friends who help us for successful completion of project.

We must express our sincere thanks to **Prof. Tamboli.F.A.** for giving more valuable & more details information about “**Billing Software.”**

This report would not be in your hands without the help of many besides of our self. We must express our gratitude towards our projects guide **Prof. Tamboli.F.A.** for his guidance & giving us good direction while working on project.

Every work is outcome of full proof planning, continuous hard work and organized

**Thanking You,**

Mr Magar Mayur Malhari

Mr Nanware Harishchandra

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**INTRODUCTION**

Billing Software is a to introduction to a Kirana bill genrater.

* The project Billing Software is a system for managing the various activities in the Kirana Store.
* It manages the student information, fee details, room information and employee details of the hostel.
* Hostel Management System using computerized system this system is automatically Calculate all the student information.
* This system is Reduce the manually work.
* It requires less time faster and its software connectivity to each and its terminal Hostel Management System there are many students comes in the Hostel from other facility in the Hostel Management System.
* Provides more accurate Greater compatibility.

**SCOPE**

The aim of the project is to Computerized all student details information. the developed project will deal with the computerized stores details of the student workers related information student, fees, admission, leave information details, student record etc.

* Display all Propertiy Billing Software.
* Display all Bills to a Seaperat Bill.
* Create New Bill Number to New User.
* New User New Login.

**PURPOSES OF SYSTEM**

The purpose of this System as follows:

* System needs store information about new.
* System need to maintain Bills.
* System need to maintain Tax and Price.
* System need to update and delete the record.
* System also needs a search Bills.
* It also needs a security system to prevent data.

**EXISTING SYSTEM PROBLEM**

Existing System all Billing Software maintain manually while doing this task computer & laptop following used in the solve problem.

* Difficult to handle.
* Low security.
* More human error.
* Data redundancy.
* Record keeping is difficult.

**ANALYSIS**

**2.1) FACT FINDING TECHNIQUE:-**

This information is primarily used to understand the problem of the user and nature of operation and how each activity takes place information of student. Following are some tools used for fact finding techniques:-

**1. INTERVIEW :-**

We take the interview of Mrs.Vasekar Madam In charge (Rector) of Paniv Hostel they are help to us.

**2**. **Questionnaires:-**

1. Who is in charge of Hostel Management?

2. How many students coming in Hostel?

3. How many fee’s of each student?

**3. Observation :-**

We are observation of building, present sheet, Technique of stored information of student, admission, fees, etc

**2.2) FEASIBILITY STUDY:-**

It provides you with information on the student in hostel and possible for the admission. The goal is to determine whether or not it makes sense to go forward with the project. The following three aspects of feasibility study were carried out.

**1) Technical Feasibility:-**

This Feasibility Describes the current equipment existing software, number of people available in the

Organization related with the software. The computerized “Television cable System” follows all the technical parts affected to technical views. This system does not require any specific type of Hardware.

**2) Economical Feasibility:-**

System is developed in MS Access and Visual Studio 8 which is open source technology can be easily available.

This system is not costly .this system is suitable for hostel management system. This system is economically suitable for Hostel Management System. This System gives us detail information of student, fees, admission etc.

**3) Operational Feasibility:-**

It requires minimal knowledge on part of the user to handle the system. The system is user friendly and interactive with provision of appropriate and effective messages. The system is general purpose**.**

**2.3) HARDWARE & SOFTWARE REQUIREMENT:-**

**Hardware Requirement:**-

**System development using following hardware configuration**

Processor : CORE (i3) DUAL CPU.

RAM : 1 GB RAM.

HDD : 512 GB

**Software Requirement:-**

**System development using following software**

Operating System : Windows 11.

Developing Tool : Visual studio Code

Database : MySQL.

**SYSTEM DESIGN**

**DATA FLOW DIAGRAM:-**

## Data flow diagram

**A data flow diagram is graphical representation that depicts the information flow and the transforms that r applied as date moves from input to output. It can be used to represent a software at any level of abstraction. In fact DFDs may be partitioned in to levels. That represents increasing information flow and functional details.**

**DFDs are defined in levels with every level decreasing the level of abstraction as well as defining a greater detail of the functional organs of the system. A zero level DFD also known as context or fundamental system model represents the entire software elements as a single bubble with input and output data entities which are indicated as incoming and outgoing arrows. Data Flow Diagram help understanding the basic flow of data from one process to another process. This 0 level DFD represents fundamental overview of the billing system.**

Customer

View products

ling stem

Order Product

Bill Report

View Customer Record Add Customer

Bil Sy

View Order

**This is the 1-Level DFD for the billing syste** Add Product

**m. This provides**

**in between the processes of the billing**

**system. It is more describes the flow of**

**the detailed of the data flowing**

**information. Billing system concern**

Add Category

**with the**

**customer’s choice of product so there is a**

**Product processing process the**

**0-LEVEL**

**order of**

**customer according to the choice. Two another process is there for further processing of the order and customers information in billing system database.**

Administrator

Customer

1.2

Order Processing Bill Report

Order\_Details

Order Product

View Customer Record

Add

1.3

Customer Record Processing

View Products

Customer

Add Products/Category

1-level DFD

1.1

Product Processing

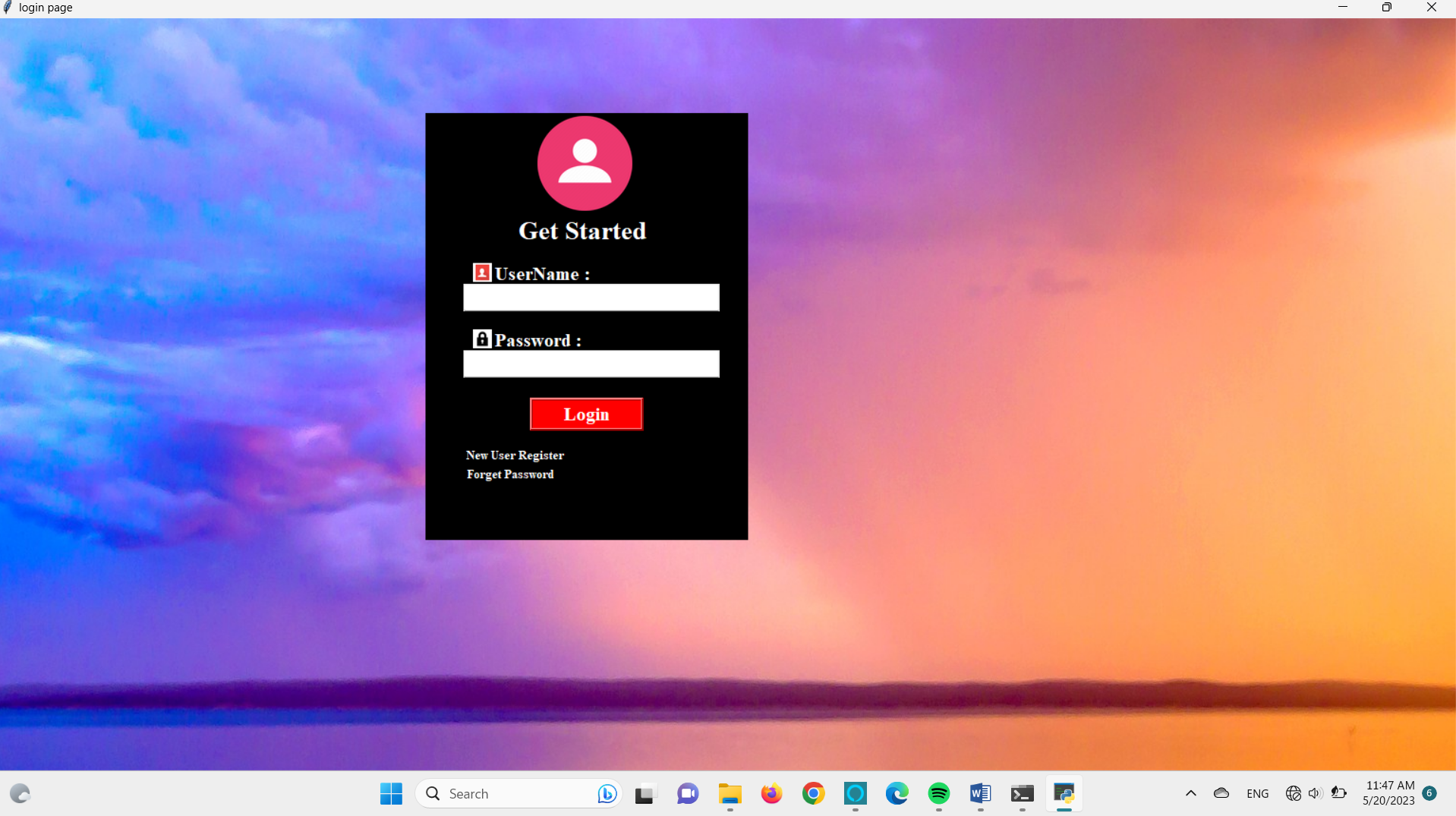
Administrator

**SCREEN SHOTS:-**

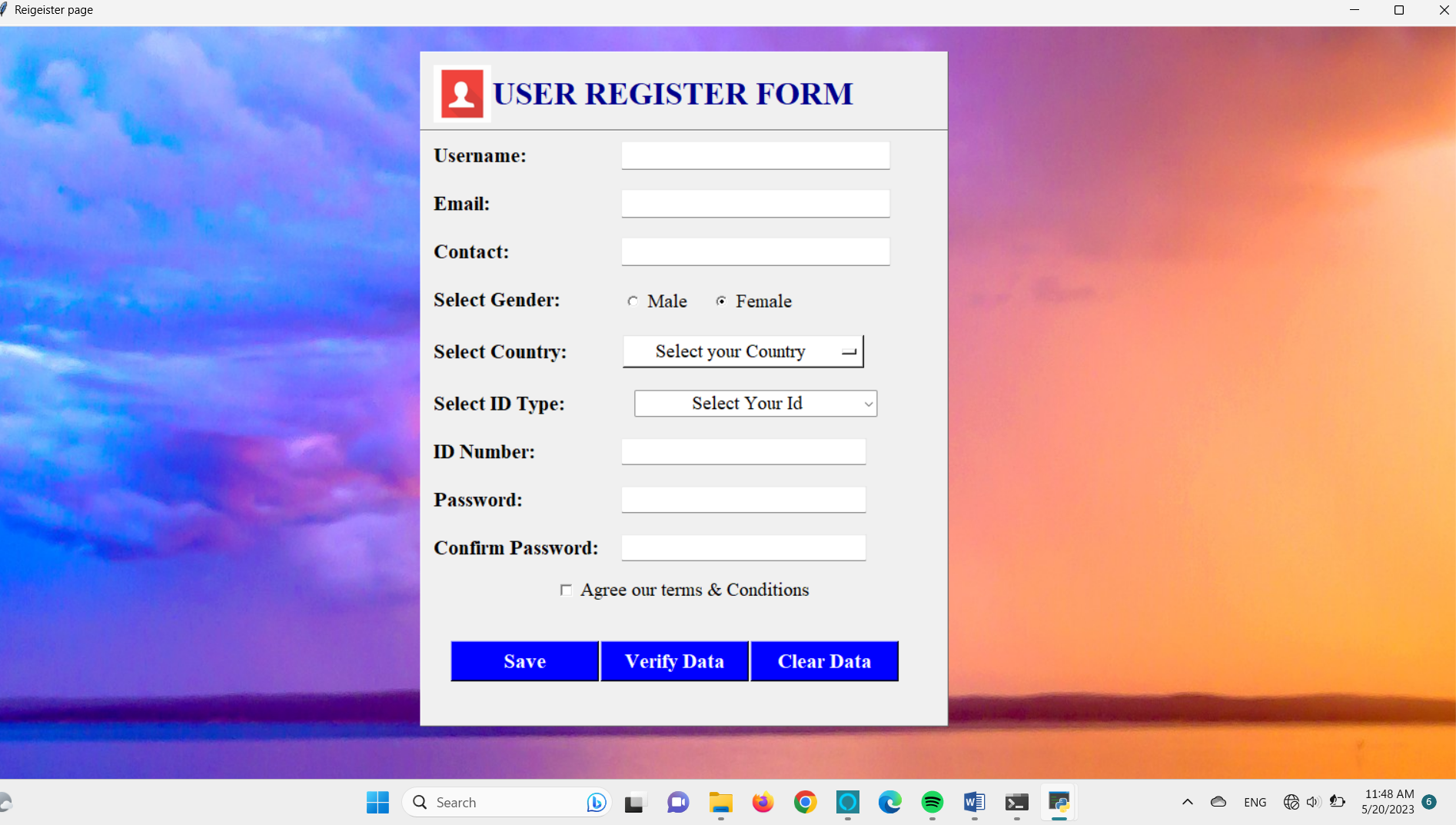
**1. Home Page:-**

****

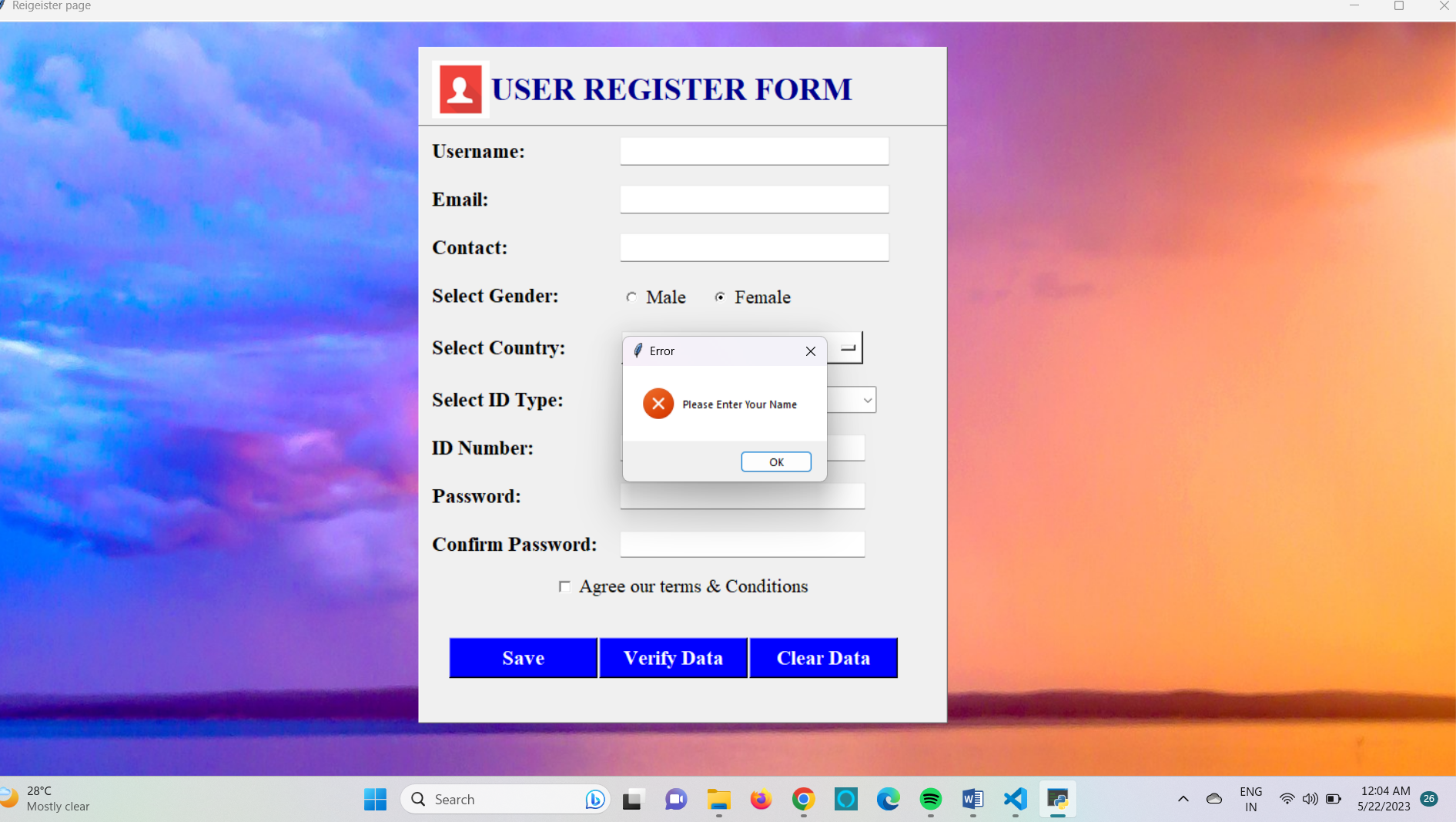
**2.Login Page**



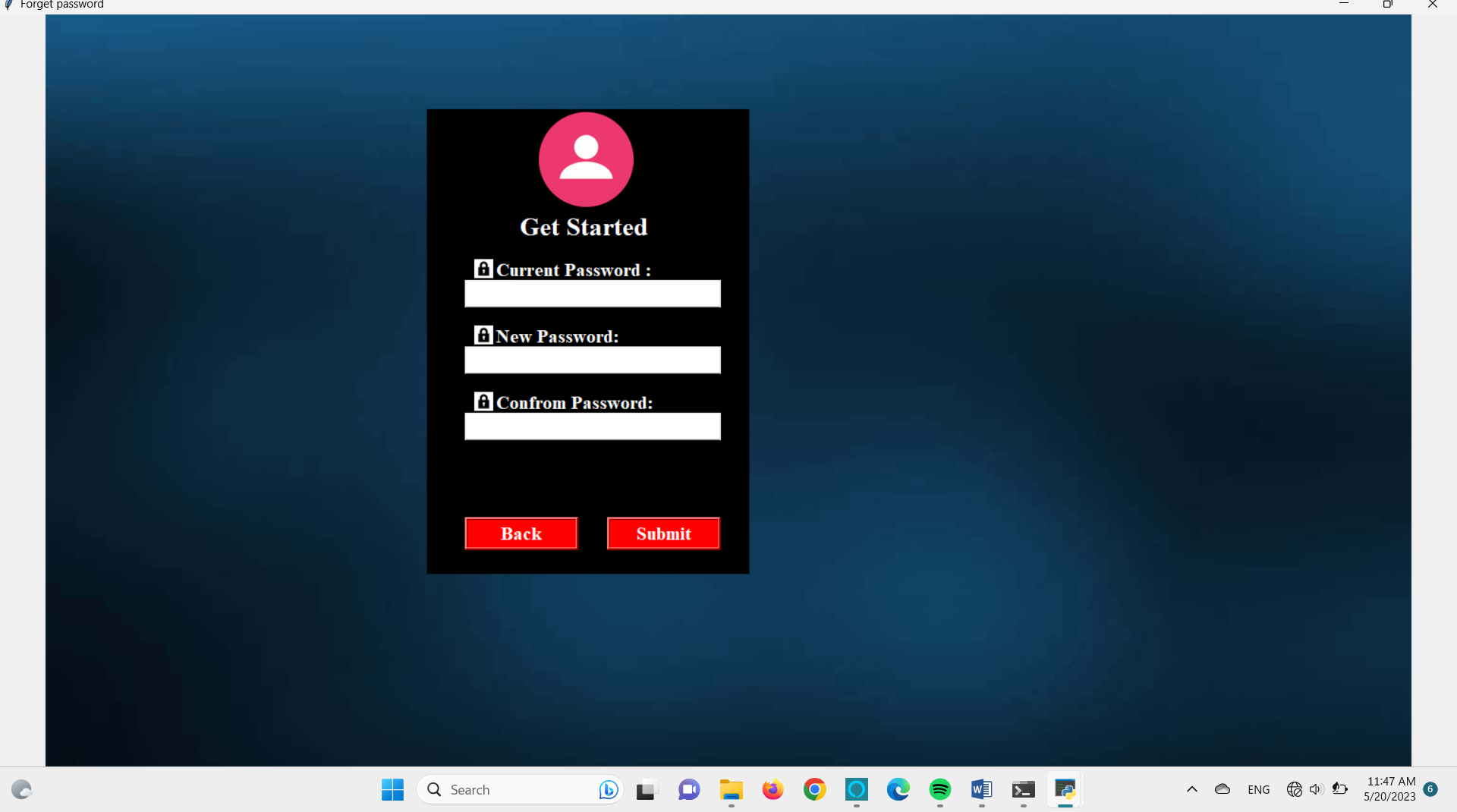
**3.New Registration**

****

**4.Text and Voice Validation**



**5.Forget Password**



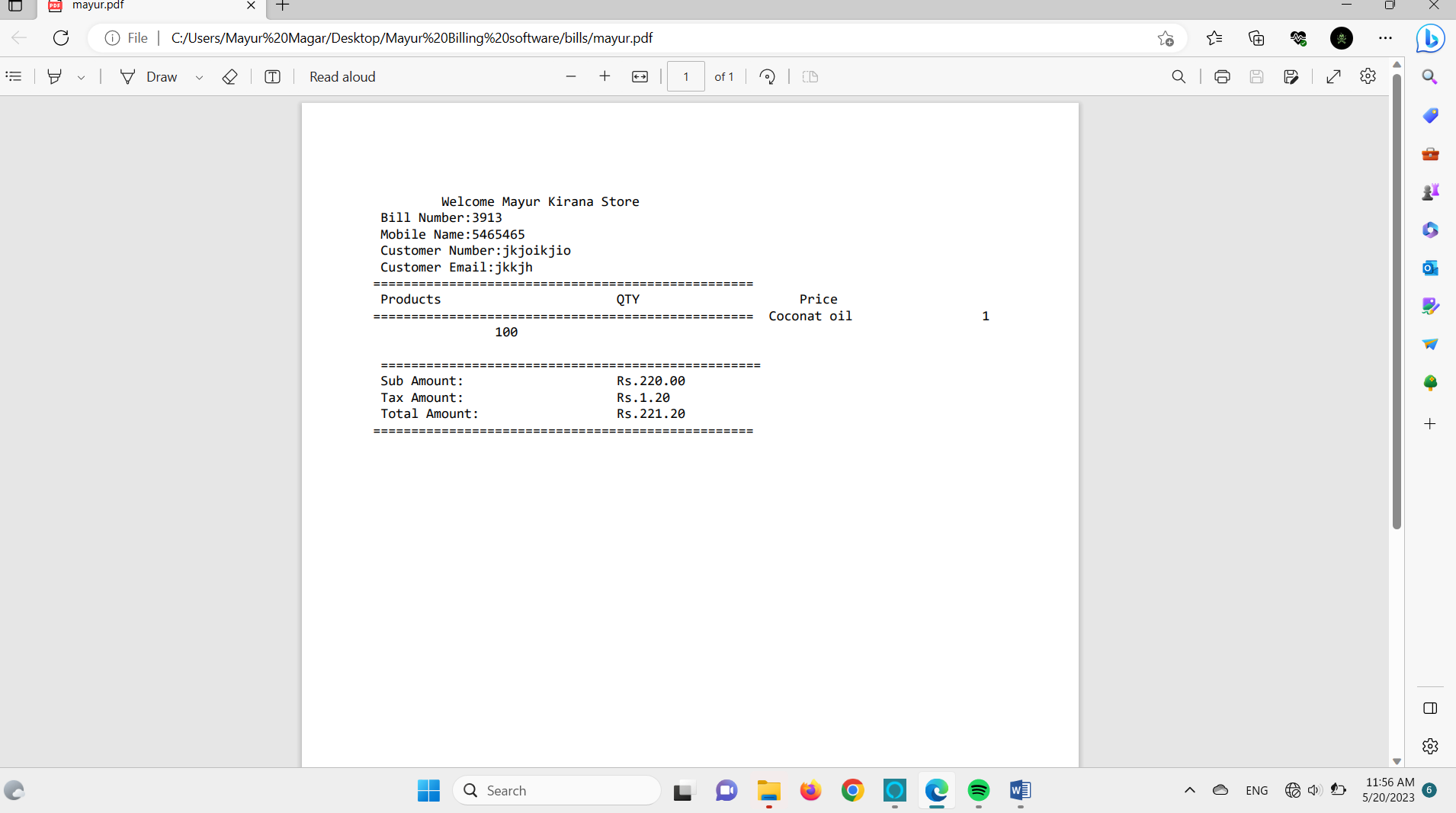
**Report:-**

Output Type:-

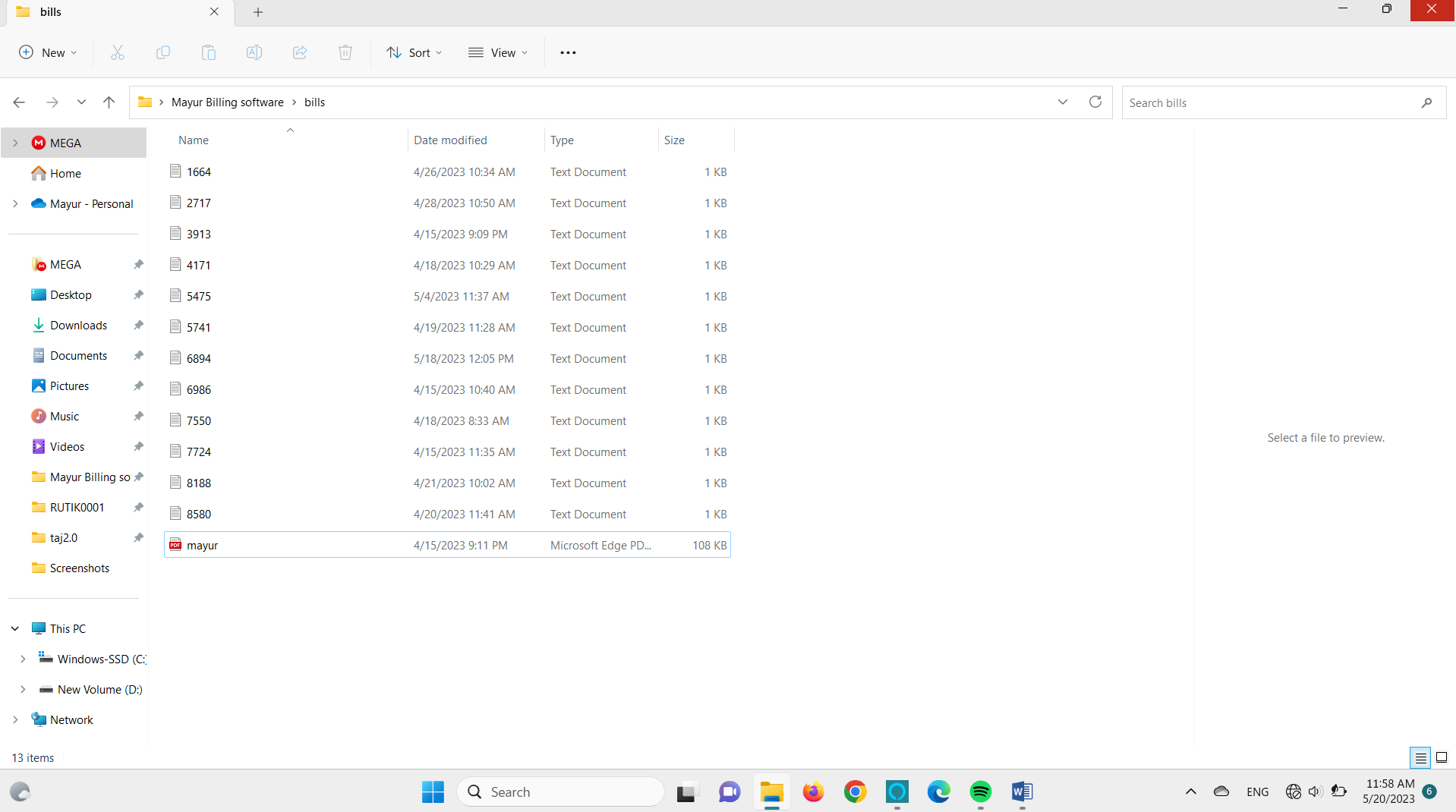
1. User Login Database :-



4. Txt Files:-



**4. Bills Saved Folder**



**DATA DICTIONARY**

**LOGIN TABLE**

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL?** | **TYPE** |
| USERNAME | NOT NULL | VARCHAR(45) |
| PASSWORD |  | VARCHAR2(30) |
| USER\_EMAIL |  | VARCHAR(45) |
| USER\_MOBILE\_NO |  | NUMBER(10) |
| IDENTITY\_NO |  | NUMBER(30) |
| CONFROM PASSWORD |  | NUMBER(12) |

**ADVANTAGS & LIMITATION:-**

**ADVANTAGE:-**

* To store and retrieve the details of user.
* To generate Bills as and required by concerned.
* Help to saving time, work.
* All information is stored as per Bill Number.
* User having facility of login for security purpose.

**LIMITATION:-**

* Limit store data as per integer data type.
* Time consuming process as all the entries is manually written.
* This system is design to stand alone, does not work on Network site.

**FUTURE ENHANCEMENT**

* It will gives report responding to user requirement.
* Incorrect data is entered is not executed, gives an error.
* Due to this system value of registered of manually handled are avoided.
* It will reduce administrative work and operating cost.
* It will give faster response implies the reduction in turnaround time.
* Number of report will have to be generated.

**Conclusion:**

1. **In conclusion, the development of the billing software for your college project has been a significant achievement. This project aimed to automate and streamline the billing process, providing an efficient and reliable solution for managing financial transactions within the college.**
2. **Throughout the project, various objectives were accomplished, including designing a user-friendly interface, implementing secure data storage and retrieval, integrating necessary functionalities, and ensuring accurate calculations and invoicing. The software successfully meets the requirements specified in the project scope, offering a robust and efficient billing system.**
3. **By developing this software, you have contributed to enhancing the efficiency and effectiveness of the college's financial management processes. The software provides numerous benefits, such as reducing manual errors, improving billing accuracy, saving time, and enabling easy tracking of financial transactions. Additionally, the system's security measures ensure the confidentiality and integrity of sensitive data, safeguarding against unauthorized access.**

**During the development process, you gained valuable skills and knowledge in software design, database management, user interface development, and programming. This project has not only showcased your technical expertise but also demonstrated your ability to understand and meet user requirements.**