



SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

REPORT ON PYTHON PROJECT BANKING SYSTEM Application

Submitted to Lovely Professional University

**"DEGREE OF BACHELOR OF TECHNOLOGY [COMPUTER
SCIENCE AND ENGINEERING]"**

Submitted By

Name

- Bipul Kumar
- Yaswanth Sai

Registration No.

12020242

12007278

Submitted To:

Dr. Sagar Pande Sir

Project Link-

<https://github.com/bipulkumarb/Banking-Management-System.git>

ABSTRACT

The goal of this project was designing a platform by which we can get idea as the balance and check out of bank website and functioning of data in the database of the banking system .

With the help of Python we can able to Receipt and bank statement . We used python to code for this application and had designed the Bank management system.

The adoption of Electronic Banking by commercial enterprises has been inexistence since the mid 90's. Much greater in number due to lower operating costs associated with it. Electronic banking has initially been in the form of automatic teller machines and telephone transactions.

More recently, it has been transfer made by the Internet, a new delivery channel for banking services that benefits both customers and banks. Internet banking system services can include: Open an account, Balance enquiry, Beneficiary payments (EFT), viewing monthly, Furthermore, customer's application for electronic transactions over the Internet are significant.

Our Project basically have two main things:

- Building UI(front-end).
- Write Python Code(Back-end).
- All functions of the banking systems are specified.

Acknowledgement

We take this opportunity to present our votes of thanks to all those guidepost who really acted as lightening pillars to enlighten our way throughout this project that has led to successful and satisfactory completion of this study. We are really grateful to our teacher for providing us with an opportunity to undertake this project in this university and providing us with all the facilities. We are highly thankful to **Dr. Sagar Pande** for his active support, valuable time and advice, wholehearted guidance, sincere cooperation and pains-taking involvement during the study and in completing the assignment of preparing the said project and in course within the time stipulated.

Lastly, we are thankful to all those particularly the various friends who have been instrumental in creating proper, healthy and conducive environment and including new and fresh innovative ideas for us during the project, their help, it would have been extremely difficult for us to prepare the project in a time bound framework.

TABLE OF CONTENTS

<u>Title</u>	<u>Page</u>
Cover Page	1
Abstract	2
Acknowledgement	3
Table of Contents	4
List of figures	4
Introduction	5+
Home Page	6
Sub Page	7
Study Materials	8
Project Contribution	9
Results	10-15 ++
References	16

List of Figures

Figure number	Topic	Page number
1	Starting of Page	8
2	Sub Page	9
3	Application details	10
4	Results	12-15

Introduction

General Information:-

Usually all persons want money for personal and commercial purposes. Banks are the oldest lending institutions . They are providing all facilities to all citizens for their own purposes by their terms. To survive in this modern market every bank implements so many new innovative ideas, strategies, and advanced technologies. For that they give each and every minute detail about their institution and projects to public.

They are providing ample facilities to satisfy their customers i.e. net banking, mobile banking, door to door facility, instant facility, investment facility, demat facility credit card facility, loans and advances account facility etc. And such banks get success to create their own image in public and corporate world. These banks always accept innovative notations in scenario like credit cards, ATM machines, risk management etc. so, as a student business economics I take keen interest in world economy and for that also are the main source of development.

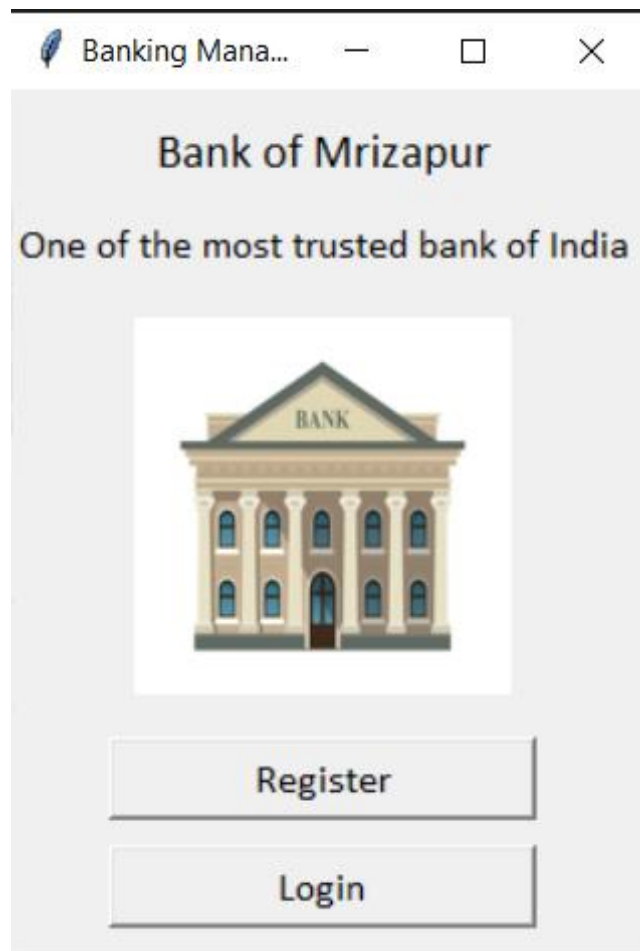
So this must be the first choice for me to select this topic. At this stage every person must know about new innovation technology of procedure new schemes and new ventures.

Because of the following reasons, I prefer this project work to get the knowledge of the banking system.

- Banking is an essential industry.
- It is where we often wind up when we are seeking a problem in financial crisis and money related query.
- Banking is one of the most regulated businesses in the world.
- Banks remain important source for career opportunities for people.
- It is vital system for developing economy for the nation.
- Banks can play a dynamic role in delivery and purchase of consumer durables.

Home Page

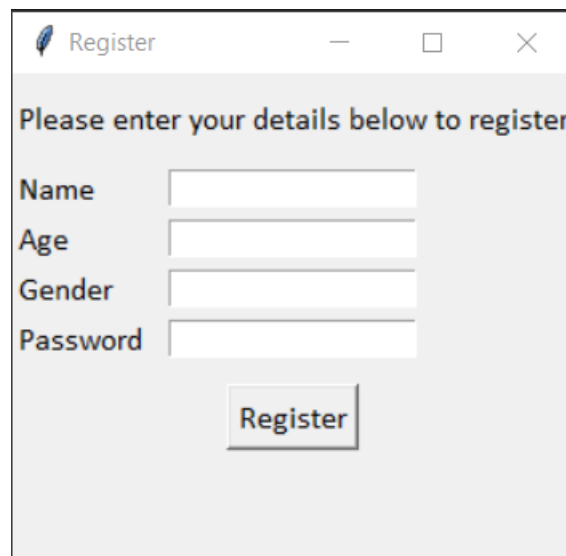
Home page is a web page set as the default or start-up page on a browser with title and image of platform "Banking System".



Our home page have following components:-

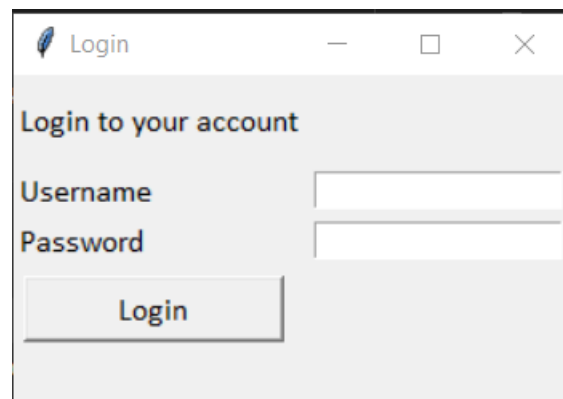
1. Header consists of the logo of our platform "Banking System".
2. Body of UI have different Background color of body is simple, dark black and lite gray light.
3. Overall it's a classical and user-friendly User Interface.

Sub-page



A screenshot of a 'Register' dialog box. The title bar shows a feather icon, the word 'Register', and standard window controls. The main content area has a light gray background and contains the text 'Please enter your details below to register'. Below this text are four input fields labeled 'Name', 'Age', 'Gender', and 'Password'. A 'Register' button is positioned at the bottom center of the dialog.

The above pop up will appear when we will click on Register button. Here we can enter our personal details.



A screenshot of a 'Login' dialog box. The title bar shows a feather icon, the word 'Login', and standard window controls. The main content area has a light gray background and contains the text 'Login to your account'. Below this text are two input fields labeled 'Username' and 'Password'. A 'Login' button is positioned at the bottom left of the dialog.

The above pop will appear when we will click on Login button.

Application Details

➤ Benefits of the application (UI):-

- User Friendly.
- Fully Efficient.
- Easy to Handle customer account.
- Provided better account management facilities
- Processor , memory and disc space are minimized .
- Can perform required function stably.
- The accuracy of its output is good.
- Our program can be used many times.

Project Contribution

Materials

- **Sublime Editor:**- We used sublime editor to make the UI using HTML, CSS and JS
- **VScode:** - All the python codes performed on VS code and connection to UI.

Methods

We have divided our work in two parts:

1. Front-end (Making user interface).
2. Back-end (Python codes).

The first one is done by Yaswanth Sai and the second part is done by Bipul Kumar.

Both works are done simultaneously on different platforms after completion we just connect them using django.

Discussion

We had a discussion on the following topics:-

- Which platform to be used and language to form User Interface (UI).
- Color theme of our User Interface (UI).
- Working of the Application in basic way.

Conclusion

- We ended-up our discussion by making this as user friendly to children and making it ideal to know out money by the application (UI).
- It's very simple, clear and easy to maintain the storage and no lag to the system.

Administrative Requirement

Functional Requirement:

functional requirements in our systems are as follows:

- purpose : To register a new customer.
- Inputs : The required data for registration of a new customer in the bank (Like Name, Age , Gender etc).
- Objects : A Success Message be displayed on successful registration or else an error message will be displayed.

Requirements :-

As some of the banking site doesn't have a user friendly interface. So, we decided to develop a "**Bank Manager**" that will contain all those features fulfilling the client basic need by having a professional yet welcoming Interface. "Bank- Manager" is providing solution to that problem.

Our System is a user specific and is for all types of users. Our System operates on window's operation system. Easily accessible to all type of users.

Key notes of the Bank Management steps:-

- **Dealing in money-** money given by depositors.
- **Acceptance Of Deposit:-** A bank accepts money from the people in the form of deposits which are usually repayable o demand or after the expiry of a fixed period. It gives safety to the deposits of its customers. It also acts as a custodian of funds of its customers.
- **Giving Advances:** a bank provides various banking facilities to its customers..
- **Payment & with withdraw-** A bank provides easy payment and withdrawal facility, It also brings bank money in circulation. This money is in the form of cheques, drafts, etc.

- **Agency & Utility Services:-** A bank provides various banking facilities to its customers. They include general utility services and agency services.
- **Profit & Services Orientation:-** A bank is a profit seeing institution having service oriented approach.
- **Ever Increasing Function:-** Banking is an evolutionary concept. There is continuous expansion and diversification as regards the functions, services and activities of a bank.
- **Connecting A link :-** A bank acts as a connecting link between borrowers and lenders of money. Banks collect money from those who have surplus money and give the same to those who are in need of money.
- **Banking Business:-** A bank's main activity should be to do business of banking which should not be subsidiary to any other business.

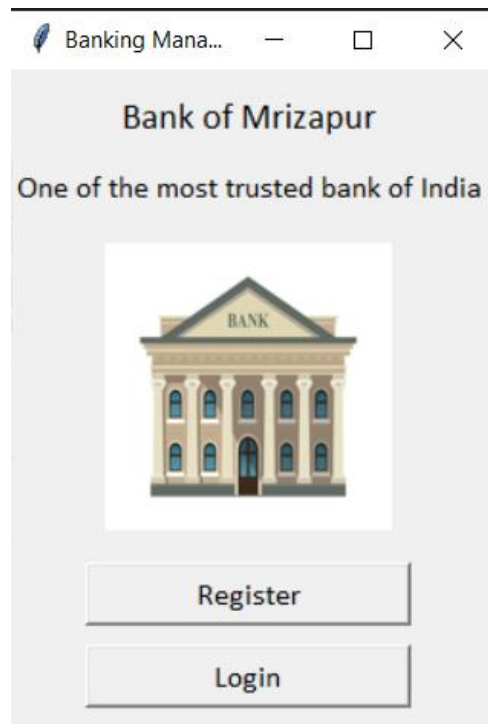
➤ Report :-

- **Client Report:-** We can show saved data regarding account management within the database.
- **Account Report:-** We can show the money transaction by client, time, date, and the total amount of account.
- **Final Report:-** At last the final reports, which will show every record regarding client, total amount and withdraw by client.

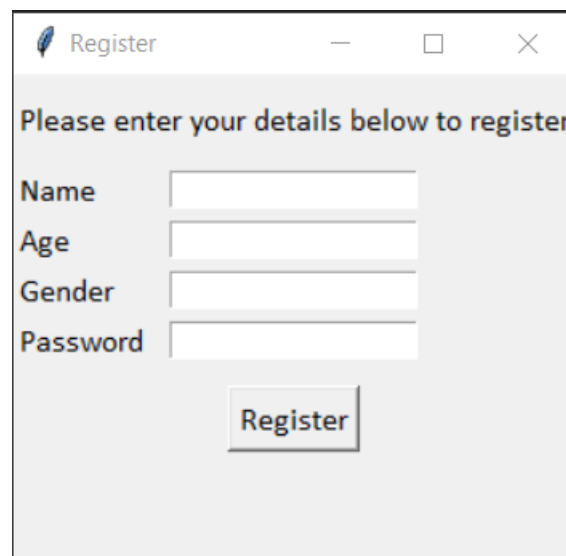
✓ Security Requirement:-

- Account ID and Password (PIN) Protection
- Sign-off Button
- Failed Log-on Attempts
- Encryption

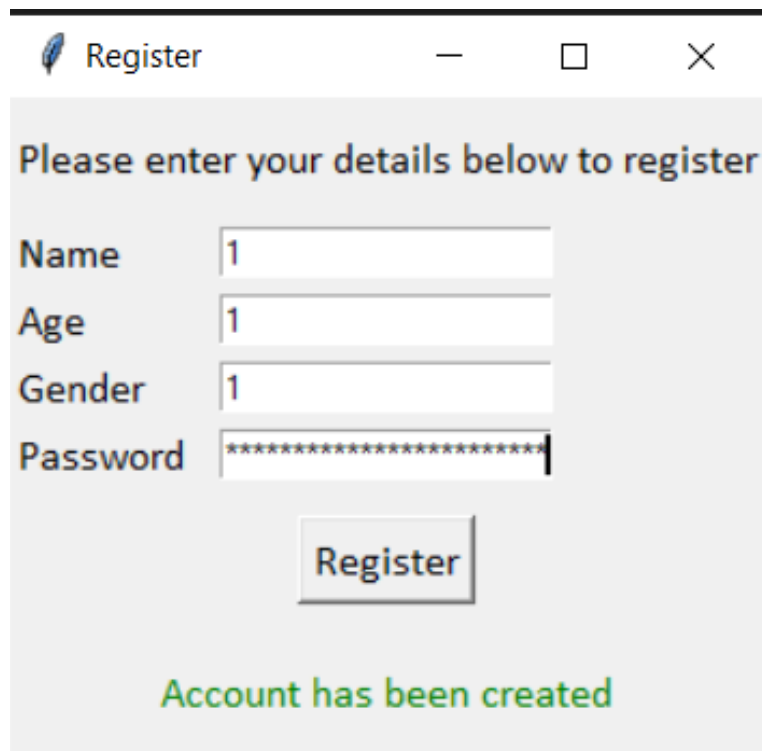
Results



Interface

A screenshot of a web application window titled "Register". The interface displays the text "Please enter your details below to register". Below this text, there are four input fields labeled "Name", "Age", "Gender", and "Password". At the bottom of the form, there is a "Register" button.

Enter your details to
register



Register

Please enter your details below to register

Name

Age

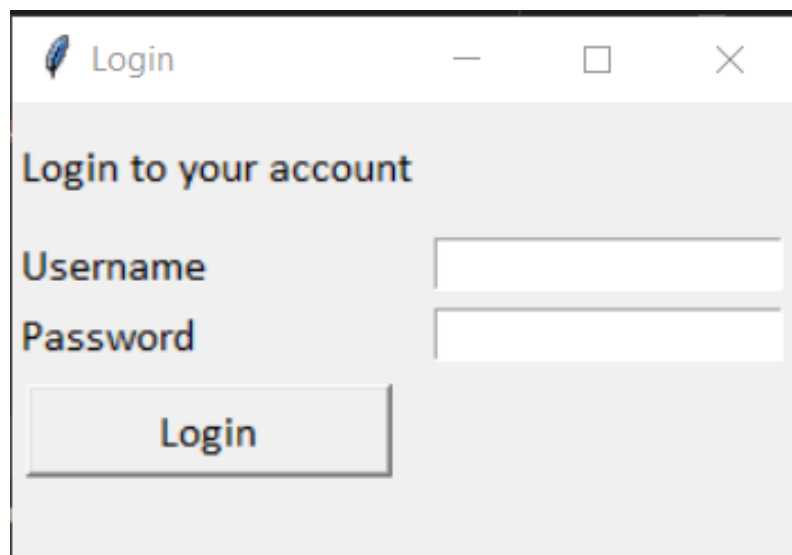
Gender

Password

Register

Account has been created

Account Created



Login

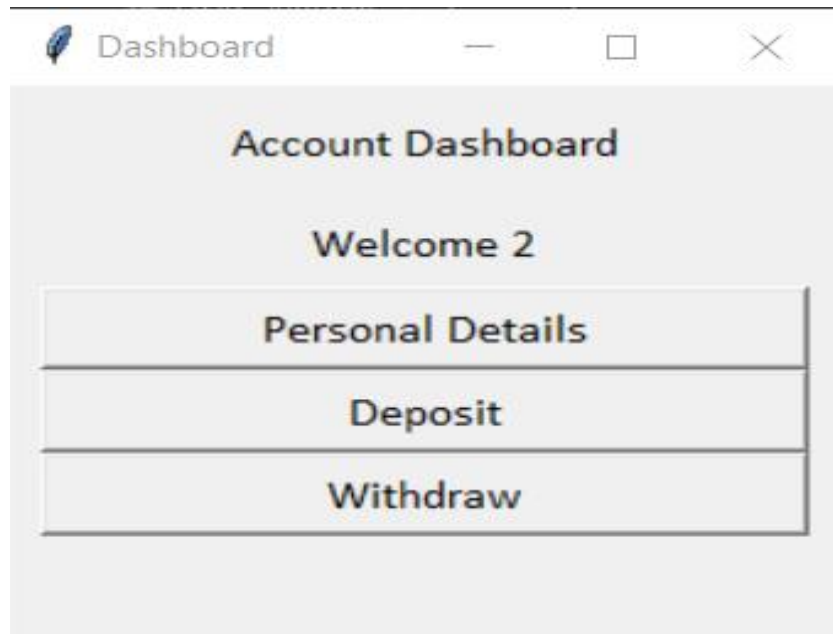
Login to your account

Username

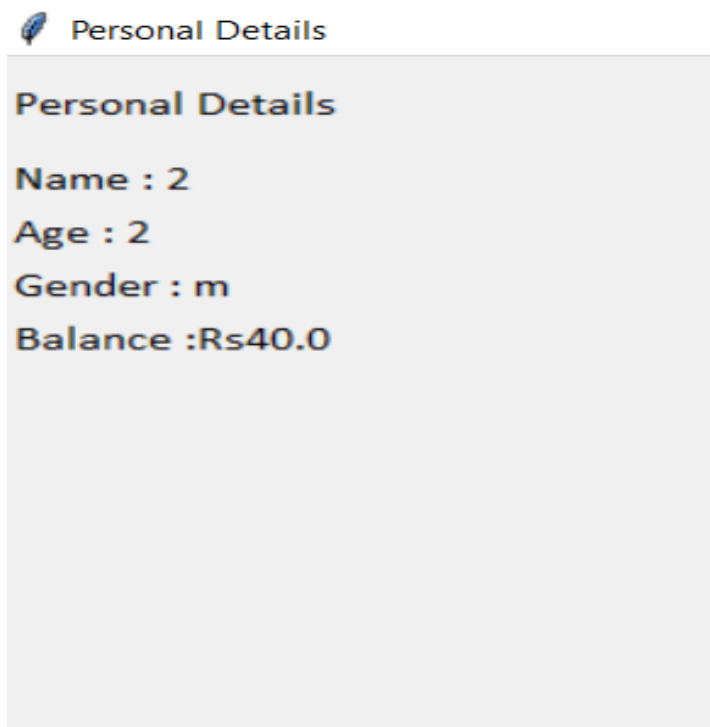
Password

Login

Enter Username and
Password to Login



Account Dashboard



Personal Details

Deposit

Deposit

Current Balance : Rs40.0

Amount :

Finish

Deposit Balance



Deposit

Deposit

Current Balance : Rs140.0

Amount :

Finish

Balance Updated

Balance Deposited

Withdraw

Current Balance : Rs101.0

Amount :

Finish

Enter Balance to be Withdrawn



Withdraw

Current Balance : Rs51.0

Amount :

Finish

Balance Updated

Balance Withdrawn



We can look Our Balance after final
Transaction

THAT'S THE END OR OUR PROGRAM

References

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Thank You!