A

SEMINAR REPORT

ON

“PASSWORD GENERATING SYSTEM”

Submitted to

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

In partial fulfillment of the requirement for the award of

SECOND YEAR

IN COMPUTER ENGINEERING

BY

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UNDER THE GUIDANCE OF

Mr.Shinde V.S.

DEPARTMENT OF COMPUTER ENGINEERING

SHRIRAM INSTITUTE OF ENGINEERING AND TECHNOLOGY (POLY), PANIV

2024-2025

AFFILIATED TO

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

SHRIRAM INSTITUTE OF ENGINEERING AND TECHNOLOGY (POLY), PANIV

CERTIFICATE

This certify that the Seminar report entitled

"PASSWORD GENERATOR SYSTEM"

Submitted by

Mr. Aditya Sunil Galitkar

Is a record of bonafide work carried out by the student in the partial fulfillment of the requirement for the award of Second Year Engineering (Computer Engineering) at Shriram Institute Of Engineering And Technology(Poly),Paniv under the Dr. Babasaheb Ambedkar Technological University, Lonere. This work is done during year 2024-2025.

Date: / /

Mr. Shinde V.S.	Prof.S.A.Ekatpure
Seminar Guide	HOD
Dept. of Computer Engg.	Dept. of Computer Engg.

Seal:	Sign of External Examiner	Prof.P.P.Khandare
Date:		Principal

ACKNOWLEDGEMENT

Today on completion of this seminar work, the persons we need to thank the most who have helped us throughout the making of this seminar work, and without those help, the seminar would not have seen the light of the day.

Primarily, we submit our gratitude and sincere thanks to seminar guide Mr.Shinde V.S., for their constant motivation and support during the seminar work. We truly appreciate and value their esteemed guidance and encouragement from the beginning to the end of this seminar work. We are thankful to our Head of the Departments Prof. S.A.Ekatpure for their unwavering moral support and motivation during the entire seminar work.

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We would like to thank all the staff members of our college and technicians for their help in making this seminar a successful one.

Last but not least, We would like to thank all our Friends and Family members who have always been there to support and help us to complete this seminar work in time.

Aditya Sunil Galitkar

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SHRIRAM INSTITUTE OF ENGINEERING AND TECHNOLOGY (POLY), PANIV

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Introduction

A random password generator is software program or hardware device that takes input from a random or pseudo-random number generator and automatically generates a password. Random passwords can be generated manually, using simple sources of randomness such as dice or coins, or they can be generated using a computer. While there are many examples of "random" password generator programs available on the Internet, generating randomness can be tricky and many programs do not generate random characters in a way that ensures strong security. A common recommendation is to use open source security tools where possible since they allow independent checks on the quality of the methods used. Note that simply generating a password at random does not ensure the password is a strong password, because it is possible, although highly unlikely, to generate an easily guessed or cracked password. In fact, there is no need at all for a password to have been produced by a perfectly random process. A password generator can be part of a password manager. When a password policy enforces complex rules, it can be easier to use a password generator based on that set of rules than to manually create passwords. Long strings of random characters are difficult for most people to memorize. Mnemonic hashes, which reversibly convert random strings into more memorable passwords, can substantially improve the ease of memorization.

Abstract

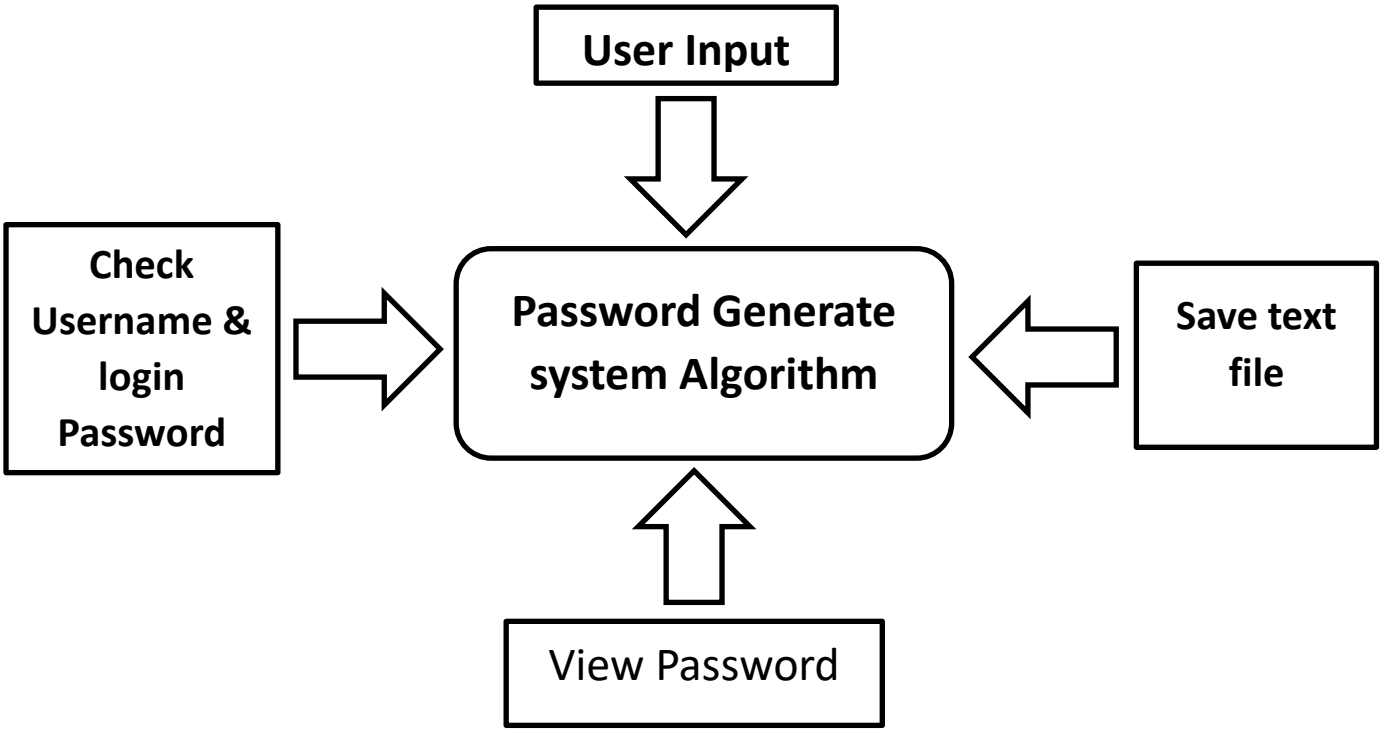
In our olden days we write our passwords in our diary or we make some notes but all these are not advanced solution for the people who have multitasked every day. To find a best solution we have developed an a Password Generate and manage System to remain our tasks using location based service This technological app has an unique character as it has the ability to access the passwords though the text file. It has ability to save much more passwords. We are looking forward to it…

Scope Of Project

The scope of a Password Generator System includes several key features and functionalities:

- Password Generating System help user to stay help of generating the password & easily copy paste.
- The user shall be able to save all the username and passwords information of the accounts he holds on the internet using this application
- Application only compatible with Windows, Mac, Linux devices.

Control Flow



Use of Technology

1.Introduction to technology Used (i.e Python)

Python is a high-level, general-purpose and a very popular programming language Python programming language (latest Python 3) is being used in web development, Machine Learning applications, along with all cutting edge technology in Software Industry. Python Programming Language is very well suited for Beginners, also for experienced programmers with other programming languages like C++ and Java.

2. Python as a Programming Language

Python is a widely used general-purpose, high level programming language. It was created by Guido van Rossum in 1991 and further developed by the Python Software Foundation. It was designed with an emphasis on code readability, and its syntax allows programmers to express their concepts in fewer lines of code. Python is a programming language that lets you work quickly and integrate systems more efficiently. Here are the features of the Python Programming Language: Python is currently the most widely used multi-purpose, high

Level programming language.

Requirement

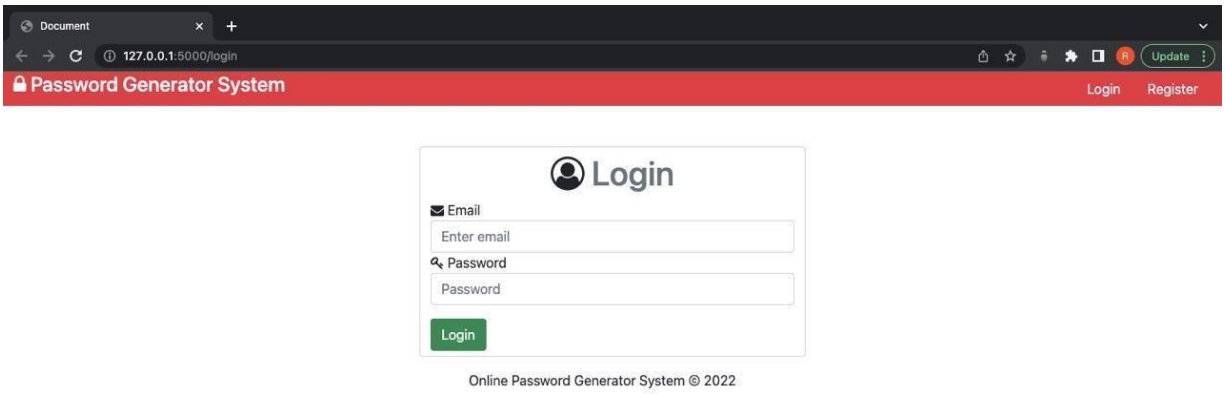
Software requirements:

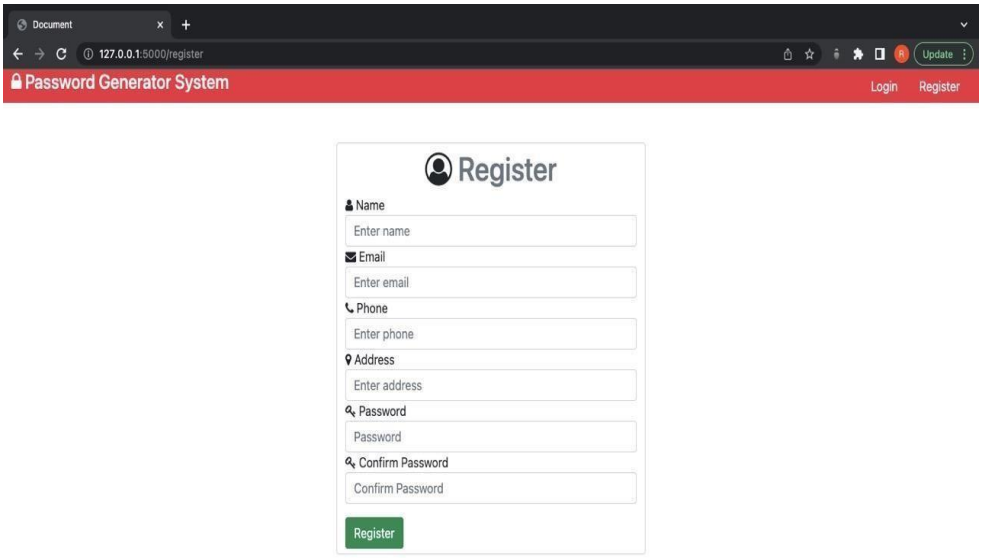
- **Operating System:** Windows 11.
- **Coding Language:** HTML, CSS, JavaScript.
- **Text Editor :** VS Code.

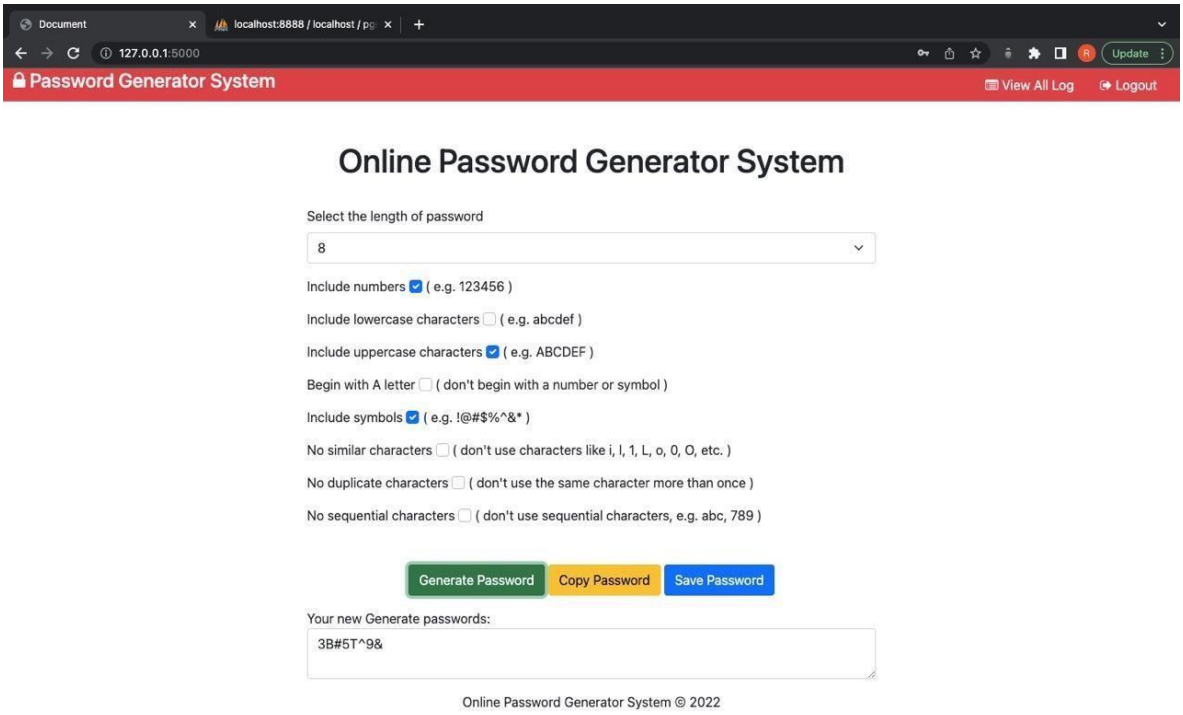
Hardware Requirements:

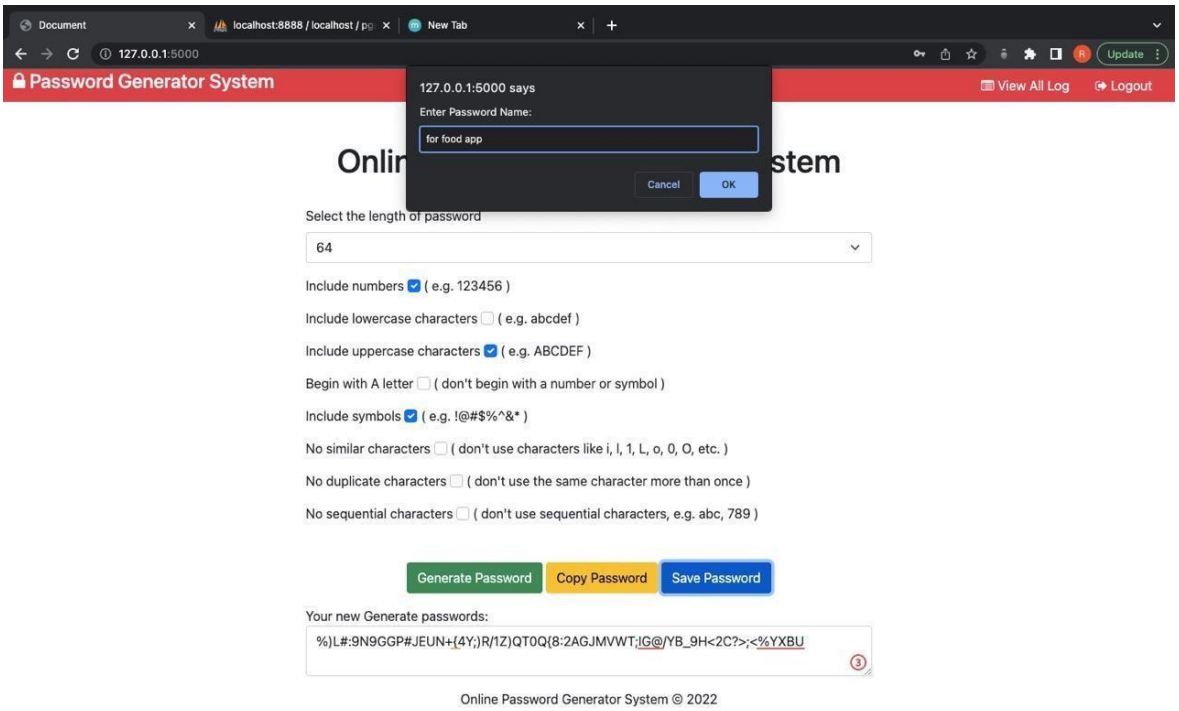
- **Processor :** Intel core i5
- **Memory :** 8GB RAM
- **Hard Disk :** 1TB

Output


Document
127.0.0.1:5000/login
Update
Password Generator System
Login
Register
Login
Email
Enter email
Password
Password
Login
Online Password Generator System © 2022


Document
127.0.0.1:5000/register
Update
Password Generator System
Login
Register
Register
Name
Enter name
Email
Enter email
Phone
Enter phone
Address
Enter address
Password
Password
Confirm Password
Confirm Password
Register


Document
localhost:8888 / localhost / pg
127.0.0.1:5000
Update
Password Generator System
View All Log
Logout
Online Password Generator System
Select the length of password
8
Include numbers (e.g. 123456)
Include lowercase characters (e.g. abcdef)
Include uppercase characters (e.g. ABCDEF)
Begin with A letter (don't begin with a number or symbol)
Include symbols (e.g. !@#$%^&*)
No similar characters (don't use characters like i, l, 1, L, o, 0, O, etc.)
No duplicate characters (don't use the same character more than once)
No sequential characters (don't use sequential characters, e.g. abc, 789)
Generate Password
Copy Password
Save Password
Your new Generate passwords:
3B#5T^9&
Online Password Generator System © 2022


Document
localhost:8888 / localhost / pg
New Tab
127.0.0.1:5000
Update
Password Generator System
View All Log
Logout
127.0.0.1:5000 says
Enter Password Name:
for food app
Cancel
OK
Select the length of password
64
Include numbers (e.g. 123456)
Include lowercase characters (e.g. abcdef)
Include uppercase characters (e.g. ABCDEF)
Begin with A letter (don't begin with a number or symbol)
Include symbols (e.g. !@#$%^&*)
No similar characters (don't use characters like i, l, 1, L, o, 0, O, etc.)
No duplicate characters (don't use the same character more than once)
No sequential characters (don't use sequential characters, e.g. abc, 789)
Generate Password
Copy Password
Save Password
Your new Generate passwords:
%)L#:9N9GGP#JEUN+{4Y;)R/1Z)QT0Q{8:2AGJMVWT;IG@/YB_9H<2C?>;<%YXBU
Online Password Generator System © 2022

Advantages

- Password Generating System help user to stay help of generating the password & easily copy paste.
- The user shall be able to save all the username and passwords information of the accounts he holds on the internet using this application
- Application only compatible with Windows, Mac, Linux devices.

Disadvantages

1. It is not run in android application
2. Password Text file anyone can easily accesses.

Future Scope

The scope of a Password Generator System includes several key features and functionalities:

- Password Generating System help user to stay help of generating the password & easily copy paste.
- The user shall be able to save all the username and passwords information of the accounts he holds on the internet using this application
- Application only compatible with Windows, Mac, Linux devices.

Conclusion

I personally recommend downloading and implementing a password management system, as long as it is appropriately used. To ensure ultimate security and reliability. Password management systems are not only used for personal use, they can be used in massive organizations to secure private information and passwords. As long as the organization has strict policies, regulations and practices to ensure employees have the knowledge, skills and abilities to use the systems effectively. This protects the organization from security breaches and hackers.

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- Vivek Taware

  github:/vivektaware0505:Github/https://www.linkedin.com/in/vivektaware085476241?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app