

# Contributors :

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# User Documentation

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## Why use Password Checker?

- Users get easy-to-remember, user-related and uncompromised passwords.
- We ensure the privacy of user passwords and details.
- Users' details will not be sent to any server, it will be kept completely local.

# How to set up “Password Checker”


Video link for the user guide:

<https://drive.google.com/file/d/1jL1unUAz38OIkOnPydDitd5ggyMzWf30/view?usp=sharing>

Description:

1) You will get the Setup.exe file from URL:

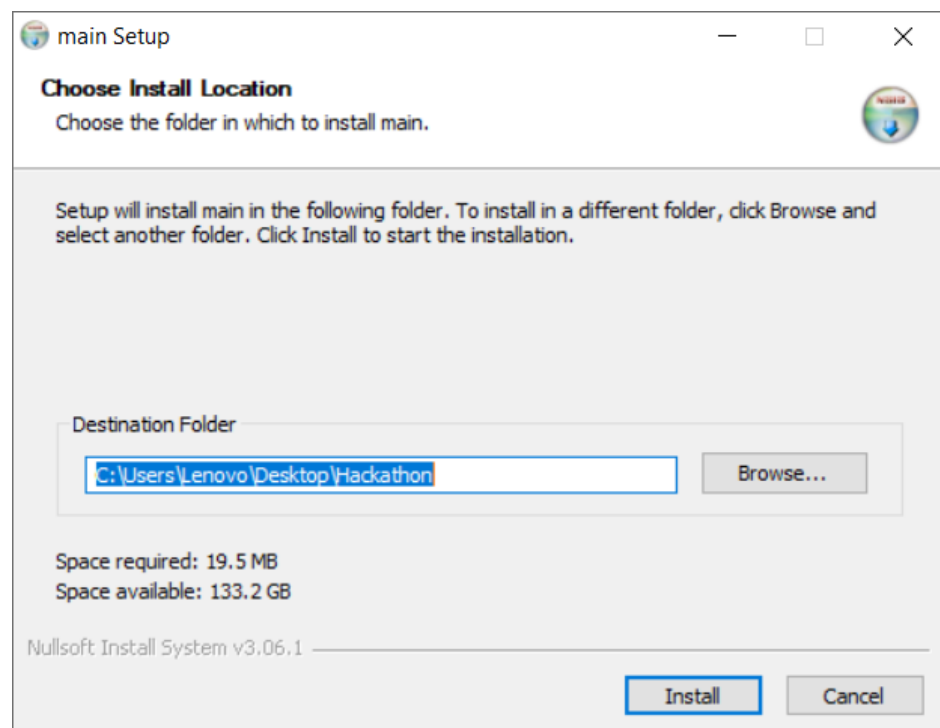
<https://github.com/DhairyaPatel2210/Most-secure-password-checker/raw/main/Setup.exe> :

Name	Date modified	Type	Size
 main.exe	28-03-2021 02:21 AM	Application	7,712 KB



2) Before you start the installation process with Setup.exe, make sure that your Antivirus Real-Time Protection is disabled. It is not harmful but you need to disable Antivirus Real-Time Protection because this software is not yet verified by Microsoft.

3) After that, you can run the Setup.exe and it will prompt some information to set it up.







4) It'll ask for the Destination folder so select the path of your convenience.



5) A folder named 'main' will be generated ( on the path you have given to the destination folder ) after the installation process is completed.

 main	28-03-2021 11:56 AM	File folder	
 Setup.exe	28-03-2021 11:54 AM	Application	7,712 KB

You will see the executable file named 'main.exe' in the main folder and that is your software.

 main	28-03-2021 12:01 AM	Application extension	2 KB
 libssl-1_1.dll	28-03-2021 12:01 AM	Application extension	529 KB
 Low_Battery.png	27-03-2021 11:37 PM	PNG File	2 KB
 main.exe	28-03-2021 01:56 AM	Application	2,358 KB
 main.exe.manifest	28-03-2021 01:56 AM	MANIFEST File	2 KB
 Med_Battery.png	27-03-2021 11:37 PM	PNG File	2 KB

**You are all set up.**

# How to use “Password Checker”

1) You will find an amazing UI by double-clicking ‘main.exe’ in the ‘main’ folder.

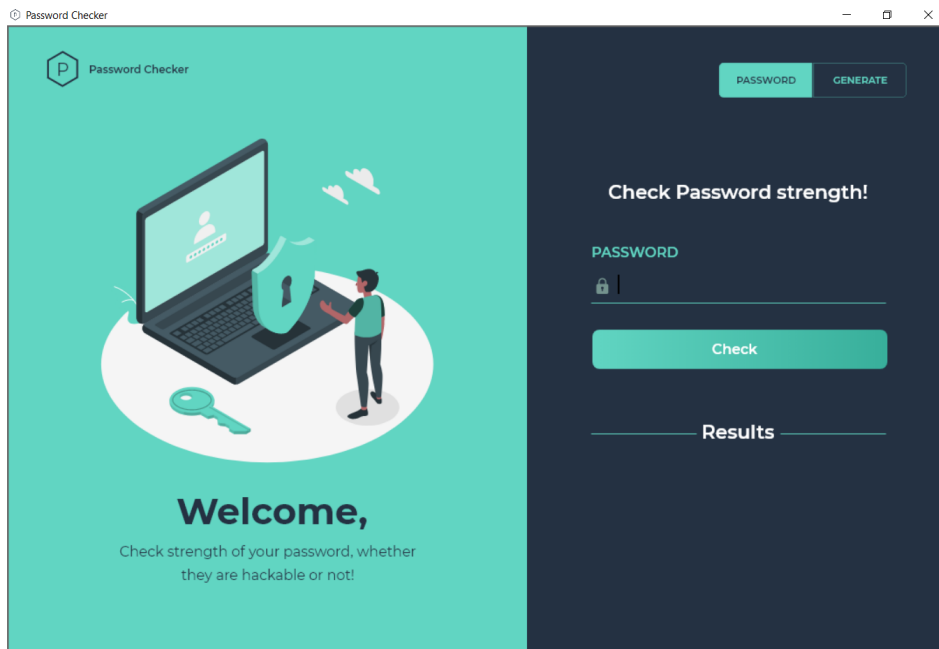
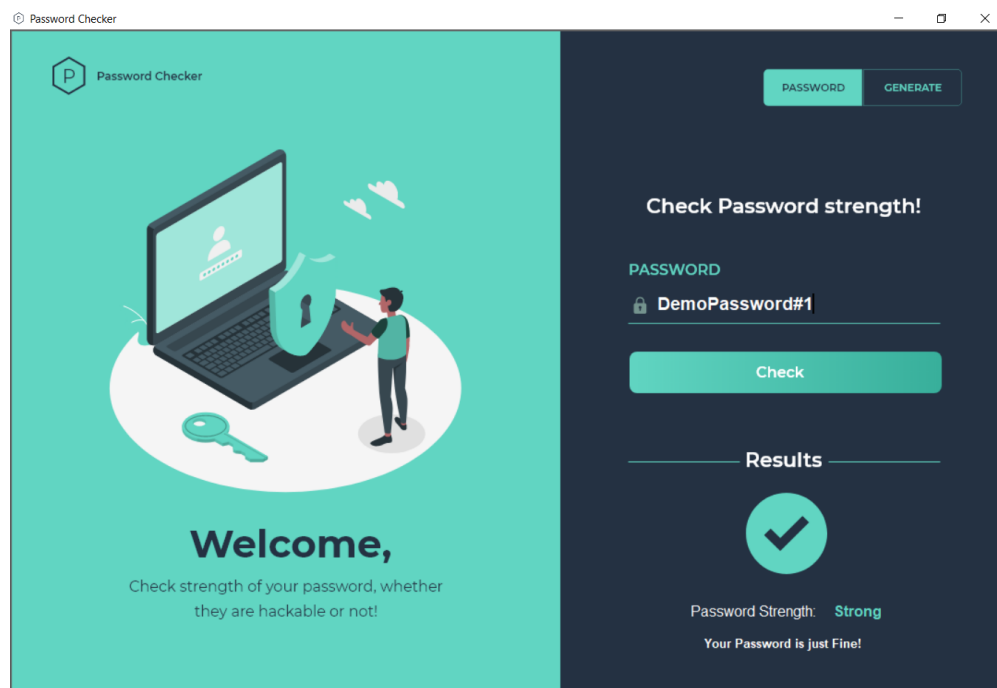
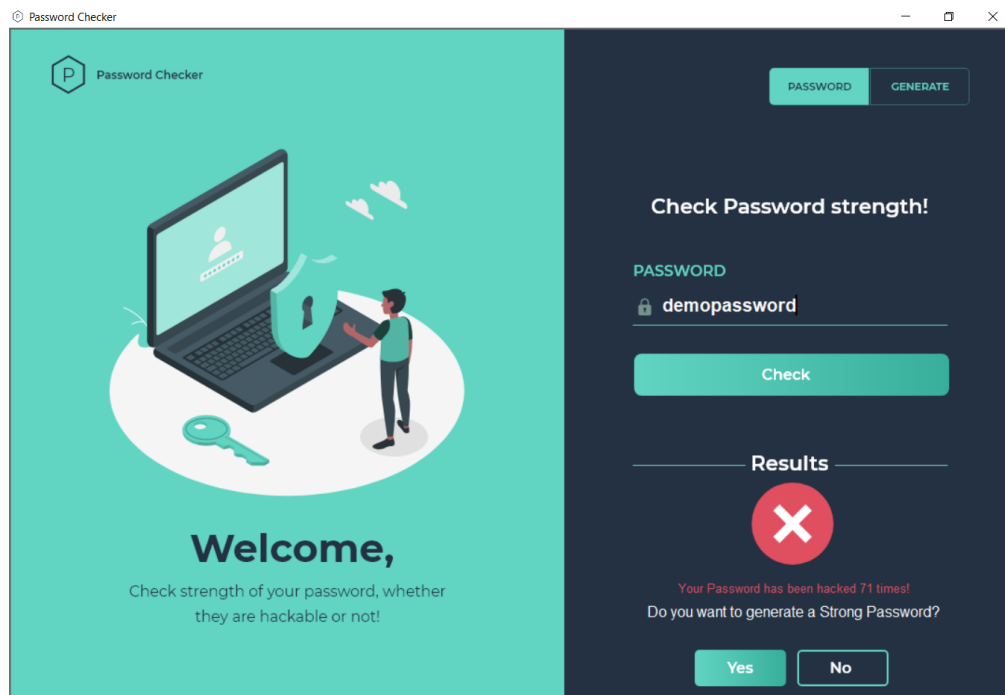


Fig 1.

2) You can type your password in the ‘PASSWORD’ input and press ‘Check’.




Strong password demo(The Password's not been compromised)




Compromised Password demo(The Password's been Compromised 71 times)

- If the software finds your password compromised then you can get a personalized password which will be generated by the system itself and of course you will get a chance to enter some credentials of yours for you to make that password easy to remember.
- So, If you click on the 'Yes Button' in prompt as shown in the above image it will redirect you to Password Generate Page which is also shown below,
- And, If you click on 'No Button' in the prompt then you will stick to the same page and will be able to experiment with other passwords.

© Password Checker

 Password Checker



**Welcome,**

Check strength of your password, whether they are hackable or not!

PASSWORD GENERATE

### Generate your strength

FIRST NAME

LAST NAME

BIRTH DATE


Generate


Results

Fill in the details in the fields and press the “Generate button” to get a password recommendation that is related to you for ease of remembering.

NOTE: You can also come to this page by pressing “Generate” at the top right corner of the window.

© Password Checker

 Password Checker



**Welcome,**

Check strength of your password, whether they are hackable or not!

PASSWORD GENERATE

### Generate your strength


FIRST NAME

LAST NAME

BIRTH DATE

Generate

Results

Your Password: DemoP%%9911 

**Important points :**

Before suggesting the password we undergo the same process of verification(i.e. Password is hacked or not) then we suggest the password to you.

If we are unable to generate the unique and uncompromised password from your credentials we will suggest you use a strong 'System' generated password.

You can also copy the Password generated.

**This is a very intuitive UI and easy to use.**



# Technical Description

The Password Checker will check your password whether it is hacked or not, without sending it to any servers. So basically, it will check your password locally.

To understand the process just follow this documentation;

First of all, we will convert your password to **SHA-1 encryption** (160-bit encryption), Then we will extract the first 5 characters from the encryption and will send it to API.

Now, this API will send us back the passwords which are matching to our first 5 characters, and then we will compare the rest of the characters with our SHA-1 encryption, and eventually, we will find our password encryption from the list we have received from API. We will get the number value for how many times the password has been compromised.

Now that we have got the value then we will ask the user if he/she wants to get a System-Generated password or not. And if the user wants to avail System-Generated password then he/she needs to give some information(which we don't store) to software and software will generate a password according to the user-provided information, and of course, the password will be easy to remember. Also during this process of System-Generated Password, we will create certain different patterns of passwords and will give random password from that list to user Also, those passwords are ensured to be safe and uncompromised.

If System-Generated passwords are also compromised then we will provide a System-Generated password that is completely secure but this password will have nothing to do with the information provided by the user. And of course, we have provided a copy button for System-Generated password in case if you want to copy that password to your system Clipboard.

And There you go, with a complete Technical Description of the Password Checker.

# Icon References

1. <https://www.flaticon.com/authors/pixel-perfect>
2. <https://www.flaticon.com/authors/icongeek26>
3. <https://www.flaticon.com/authors/kiranshastry>
4. <https://www.flaticon.com/authors/alfredo-hernandez>
5. <https://www.freepik.com>
6. <https://www.freepik.com/vectors/technology>