

Madhav Institute of Technology and Science, Gwalior - 474005

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Department of Information & Technology

A Minor Project Report on File Editor

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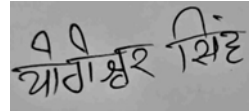
CERTIFICATE

This is to certify that Ujjawal Mawar 0901IT191064 and Udit Pratap 0901IT191063, " File Editor" is a genuine record of a project completed under our supervision and guidance in partial fulfilment of the requirements for the award of a Bachelor of Technology in Information Technology in the Department of Information Technology, Madhav Institute of Technology and Science, Gwalior.



(Prof. Vikas Sejwar)

Mentor



(Prof. YOGESHWAR SINGH)

Mentor

Undertaking

I declare that the work presented in this project titled "**File Editor**", submitted to the *Department of CSE and IT, Faculty of Madhav Institute of Technology and Science, Gwalior (M.P.)* for the award of the *Bachelor of Technology* degree in *Information Technology*, is our original work. I have not plagiarized or submitted the same work for the award of any other degree. In case this undertaking is found incorrect, I accept that my degree may be unconditionally withdrawn.

July - Dec 2021

Ujjawal Mawar (0901IT191064)

Udit Pratap Singh(0901IT191063)

Acknowledgements

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Ujjawal Mawar

Udit Pratap Singh

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1)Background/ Problem Statement

File Editor is the first most and essential need of a software developer those who are willing to write or simply edit the existing file, working becomes easier due to the different functionality provided to the user, they are customizable according to the user needs. As though the ultimate work of a text editor is to edit files then too, choosing the best editor is a trending topic of all-time in the tech industry, depending upon you can predict the power and importance of text editor in developer's life.

Why Python language?

Python is a general purpose and high level programming language. You can use Python for developing desktop GUI applications, websites and web applications. ... The simple syntax rules of the programming language further makes it easier for you to keep the code base readable and application maintainable.

What is Python GUI Programming?

GUI stands for Graphical User Interface, and refers to computer programs that provide a visual means for users to interact with an underlying application or system. For example, the GUIs on our mobile phones allow us to interact with different functions through the display, which we can touch, tap, and swipe on.

PyQt5 module:

There are so many options provided by Python to develop GUI application and PyQt5 is one of them. PyQt5 is cross-platform GUI toolkit, a set of python bindings for Qt v5. One can develop an interactive desktop application with so much ease because of the tools and simplicity provided by this library.

A GUI application consists of Front-end and Back-end. PyQt5 has provided a tool called 'QtDesigner' to design the front-end by drag and drop method so that development can become faster and one can give more time on back-end stuff.

2) METHODOLOGY

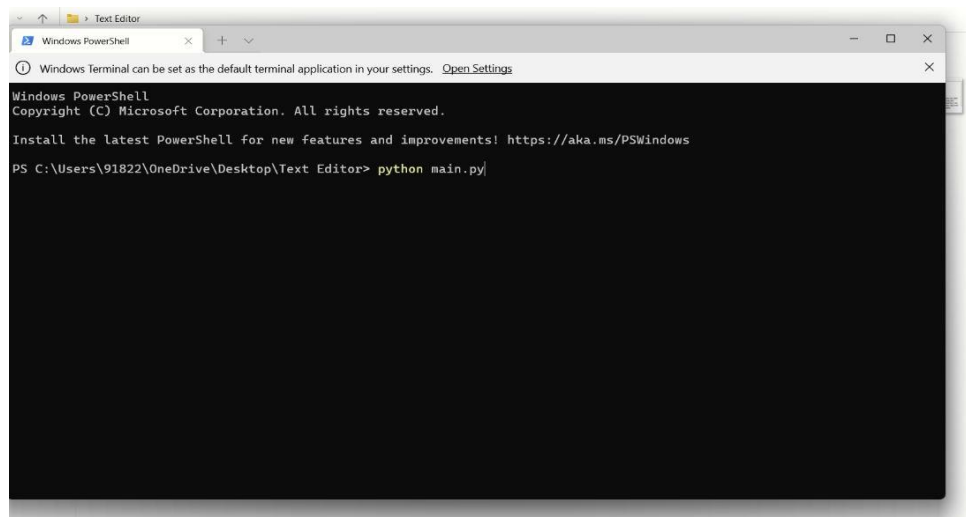
In this application, you can create text documents easily. The system allows you greater flexibility while editing the text files or the documents. Talking about this system, this system has various features intact within it. It will provide you the controls for editing texts and styling them and you can be able to save file as PDF format .

Features

- Change text size
- Make text bold
- Make text italic
- Underline text
- Copy Paste and Cut text
- Redo and Undo actions
- Save the file in PDF format

3)Working of the Project

Step 1:Open the Window terminal and type python “file name”.py and press enter.

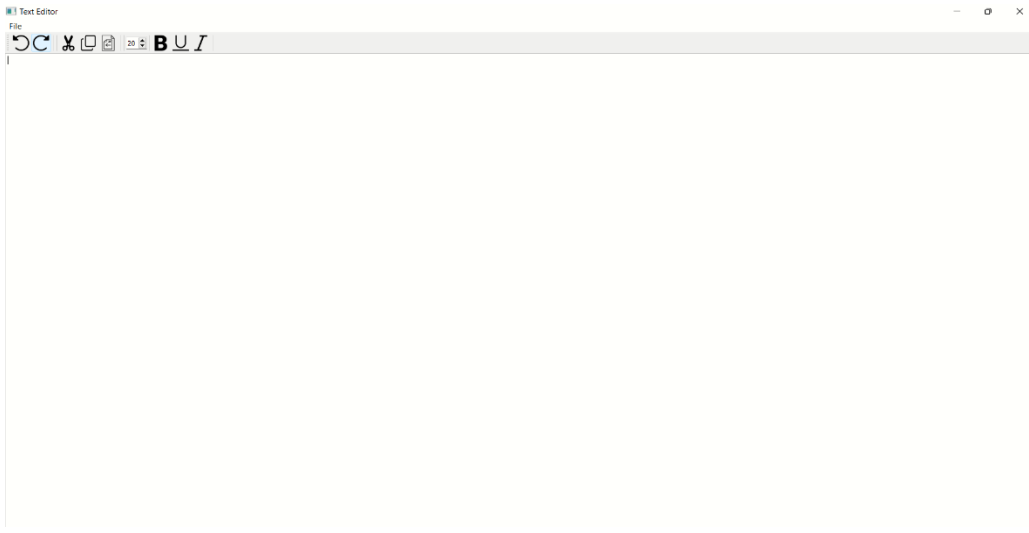


```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

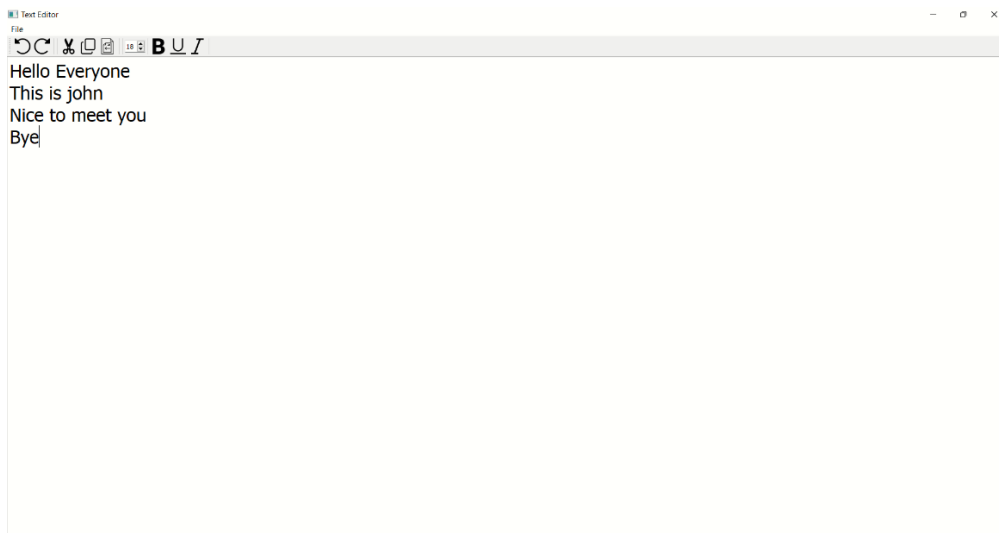
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\91822\OneDrive\Desktop\Text Editor> python main.py
```

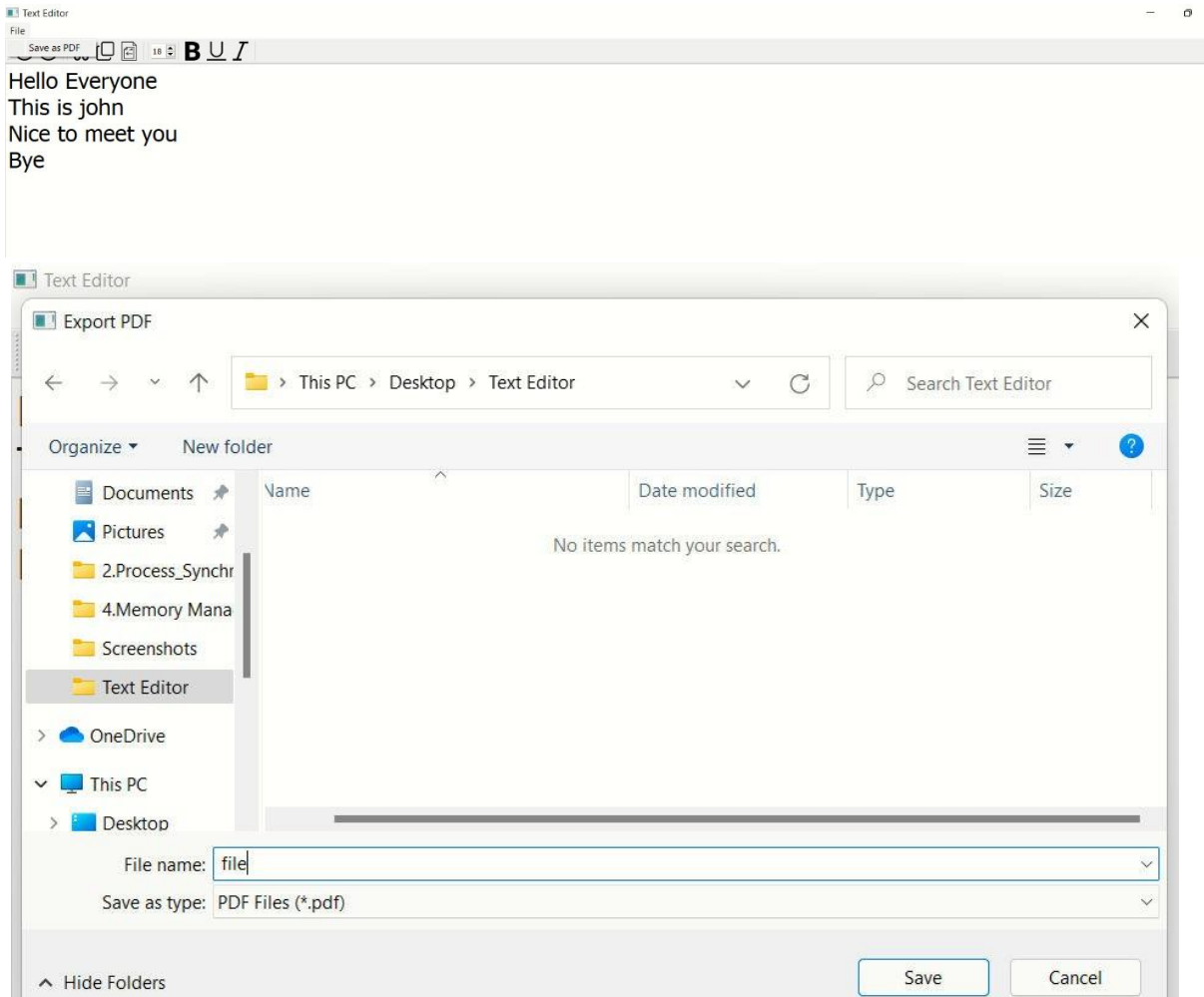
Step 2: It will take you to the editor.



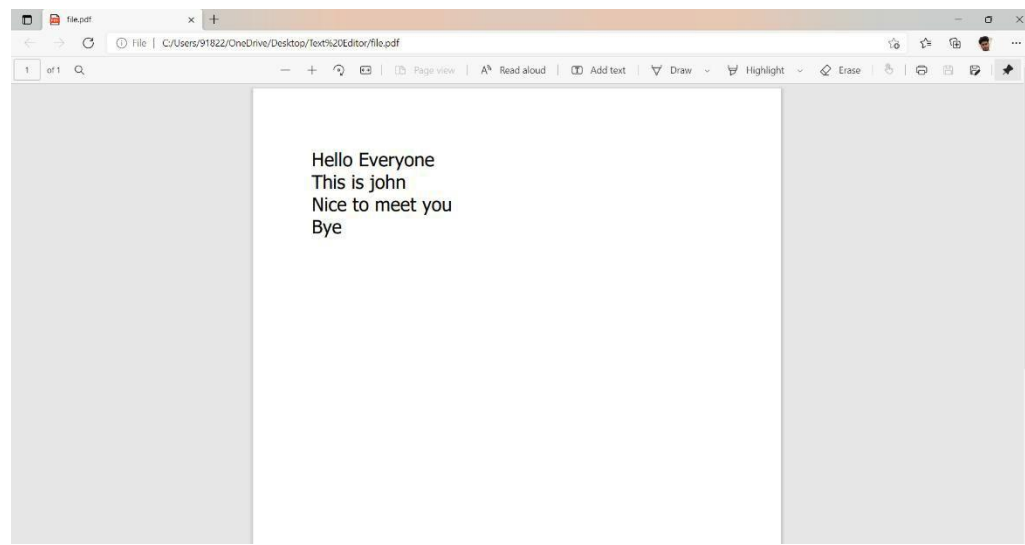
Step 3: Here you can type anything and make sure to use features.



Step 4: At upper left side there is a menu with name "**FILE**" click on the "**Save as PDF**"

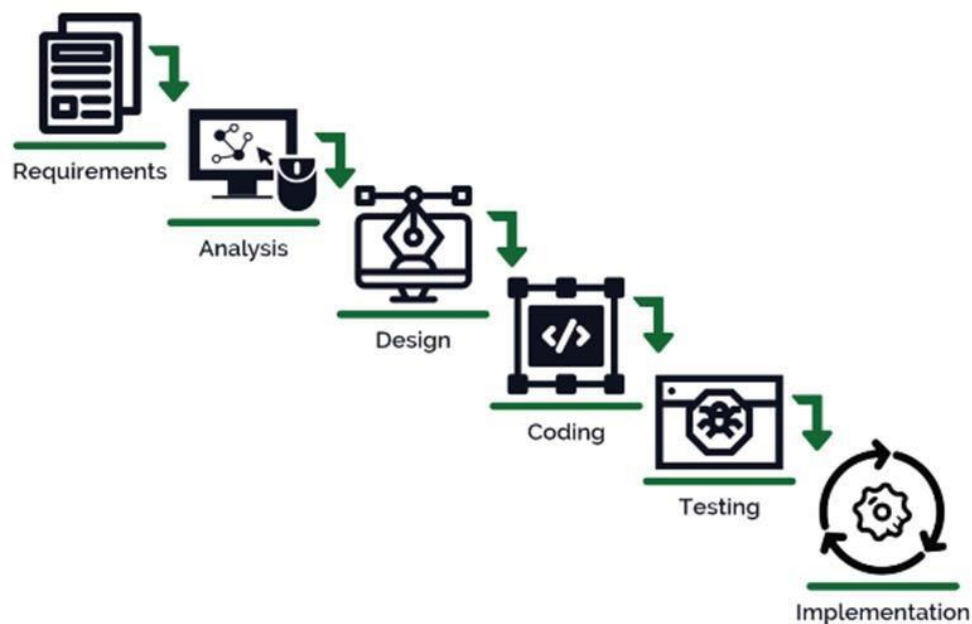


Step 5: This is how Pdf created.



4)Project Life Cycle

The waterfall model is a classical model used in system development life cycle to create a system with a linear and sequential approach. It is termed as waterfall because the model develops systematically from one phase to another in downward fashion. The waterfall approach does not define the process to go back to the previous phase to handle changes in requirement. The waterfall approach is the earliest approach that was used for software development.



System Requirement

I. Hardware Requirement

- i. Laptop or PC**
 - I3 processor system or higher
 - 4 GB RAM or higher
 - 100 GB ROM or higher

II. Software Requirement

- ii. Laptop or PC**
 - Windows 7 or higher

1) Limitation/Disadvantages

- Wrong inputs will affect the project outputs.
- Reports are not Verified

2) **Application** – This system can be used by any User who wants to save text file as PDF File.

3) Reference

<https://build-system.fman.io/pyqt5-tutorial>

<https://www.geeksforgeeks.org/python-introduction-to-pyqt5/>