NOTEPAD

Submitted in partial fulfillment of the requirements of the degree

BACHELOR OF ENGINEERING IN **INFORMATION TECHNOLOGY**

By

Smit Shetye	**(25)**
Sarwesh Nandeshwar	**(21)**
Avinash Tiwari	**(29)**

Supervisor

Prof. Kirti Rajadnya

Department of Information Technology

Shivajirao S. Jondhale College of Engineering.

Dombivli (E)

(Affiliated to University of Mumbai)

(AY 2021-22)

CERTIFICATE

This is to certify that the Mini Project entitled **" Notepad in Java "** is a bonafide work of **Smit Shetye(25), Sarwesh Nandeshwar(21), Avinash Tiwari(29)**submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of **"Bachelor of Engineering"** in **"Information Technology".**

(Prof.Kirti Rajadnya)

Supervisor

(Prof.Savita Sangam)

HeadofDepartment

(Dr. P.R. Rodge)

Principal

Mini Project Approval

This Mini Project entitled "**Notepad**" by **Smit Shetye(25), Sarwesh Nandeshwar(21), Avinash Tiwari(29)**is approved for the degree of **Bachelor of Engineering** in **Information Technology.**

Examiners

1……
(Internal Examiner Name &Sign)

2……
(External Examiner name &Sign)

Date:

Place:

TABLE CONTENTS

TITLE	PAGE NO.
Abstract	5
List of Figures Figure 3.1 Figure 4.1 Figure 4.2 Figure 4.3 Figure 4.4 Figure 4.5 Figure 4.6	 14 18 19 20 21 22 23
CHAPTER 1: INTRODUCTION 1.1: Introduction 1.2: Motivation 1.3: Problem Statement and objective 1.4: Organization of Report	 7 7 8 8
CHAPTER 2: LITERATURE SURVEY 2.1: Survey of Existing System 2.2: Limitations of Existing System or Research Gap 2.3: Mini Project Contribution	 10 11 11
CHAPTER 3: PROPOSED SYSTEM 3.1: Introduction 3.2: Architecture and Framework 3.3: Algorithm and Process Design 3.4: Details of Hardware and Software	 13 14 15 16
CHAPTER 4: RESULT	17
CHAPTER 5: CONCLUSION	25
ACKNOWLEDGEMNT	26
Source Code & Website	27
Bibliography	28

ABSTRACT

The application is a text editor in Java. This text editor developed in Java platform is a replication of the word editors. We all are familiar with and which we use quite often on a daily basis. The only difference being dad. This editor has been created using Java for the Front air interface. The text edited in the editor is stored in the desired location.

This report is for the detailed study done by us to learn Java by developing Notepad. This application contains some basic features like open file, save file, edit file, print, find and replace text.

CHAPTER 1:INTRODUCTION

1.1: INTRODUCTION

This application is a text-editor in JAVA. This text editor developed in a Java platform, is a replication of the word editors we all are familiar with and, which we use quite often on a daily basis. The text edited in the editor is stored in the desired location. Notepad is a very basic text editor that has been part of windows for a very long time. It is very excellent for writing work, relatively short text documents that you want to save in plain text and that is not all you can do with it.

This application provides us with the ability to create, edit and save files containing text. It also provides us to print this text file. Java provide an user friendly environment which enables selection of various controls like labels, buttons, textbox, etc. and dragging and dropping them at desired position to give a user friendly environment. In designing the software, ease of understanding is maintained to ensure that a person with a little knowledge of computer can work efficiently.

1.2: Motivation

The main motive of creating notepad was to understand some basic notepad functions in Java. We were curious to learn how a notepad works with the use of fundamentals of Java programming. The basic working of notepad was the main subject of operation and then adding some new concept to it. This helped us to understand object oriented Java. It also helped us to understand the way of using Java and its complexity.

1.3: Problem Statement and Objective

Problem definition-

Consider a situation that you need to view a important text file quickly and urgently. You have to check whether there are any mistakes in that text file. For this purpose Notepad is very useful application. Due to Notepad application you can not even view the file but also recorrect the mistakes that has to be solved.

Objective-

The main objective was to study Java programming by developing a notepad. A notepad i.e. a text-editor is a computer program that lets a user enter, change, store, and usually print text (characters and numbers).

1.4: Organization of Report

Chapter 1 consists of Introduction, Motivation, and Problem statement and its objectives.

Chapter 2 describes the literature survey of various phases of Notepad, which consist of Survey of Existing System, Limitations of existing system (research gap) and Mini Project Contribution.

Chapter 3 consist of Proposed System which states the Introduction, Architecture and Framework (which tells about flowcharts), Algorithm and Process design (which tells steps to be followed for budget execution). Details of hardware and software which tells about requirement analysis for the system, and also the future scope is explained in that which has results and conclusion after studying the existing system and proposed systems.

CHAPTER 2: LITERATURE SURVEY

2.1: Survey of Existing System

A useful text-editor is an essential component of any personal computer. Different companies and people use different types of text editors. And there are slight variations in this text editors are relative to one another. But they all perform the same function of editing and viewing a text file.

Everyday we need to make notes, compose document, and record vital pieces of information. In existing system multiple tabbed opening feature is not available. We cannot change background colour and foreground colour of text editor as per users choice. Existing system is not user friendly because user cannot customize software. But there are some features in notepad like open file, save file, edit, font, cut, copy, paste, find, etc. It can be used by anyone for viewing and editing a text file. It is a user friendly application.

Features of Notepad are:

- Easy to use: A notepad is simple, handy, fast and accurate tool for editing a text file. This means that users can use this app in any situation where quick viewing and editing is needed.
- Offers speedy operations: Accuracy and speed are very crucial.
- It is reliable: The reliability of Notepad cannot be questioned. Many Web developers and office workers have been using it for quite some time now.
- It can be used for any type of text files: With a notepad, you can view an edit any type of text file on your laptop for desktop computers.
- The use of Java helps to keep the information and restore it easily. Apart from this, it has security manager that defines the access of classes. Java is straight- forward to use the right view edit and programming languages.

2.2: Limitation of existing system

With many advantages, there are always some limitations present. These are some of them:

- Text files used by Notepad should be not larger than 45 kb. Notepad cannot open a file that exceeds 54 kb inside. And does not allow you to continue editing a fire with fire size reaches between 45 kb and 54 kb.
- It also doesn't have default templates to make your web design quicker. It is only available on Windows because Microsoft made it.
- The main disadvantage of Notepad is that it is a very simple software and it's primary function is not for HTML.
- You also have to preview in a Web browser which means you must save it as a HTML file.

2.3:MINI PROJECT CONTRIBUTION

Day	Work
22 September – 26 September	*Topic Discussion*
27 September – 01 October	*Synopsis*
02 October – 09 October	*Research*
10 October – 20 October	*Design*
21 October – 09 November	*Implementation*
10 November	*Follow Up*

CHAPTER 3: PROPOSED SYSTEM

3.1: Introduction

Notepad is a basic text editor for Microsoft Windows. It has been included in all versions of Microsoft Windows since Windows 1.0 in 1985.
It can use to create simple documents. The most common used for notepad is to view or edit text (.txt) files. Many users find Notepad with simple tool for creating web pages because Notepad supports only very basic formatting, you cannot accidentally save special formatting in documents that need to remain pure text.

This is very useful when creating HTML documents for a Web page, because special characters or other formatting may not appear in your published Web page or may even cause errors.

Notepad is a common text only editor. The files typically saved with .text extension have no format tags or styles, making the program suitable for editing system files.

It is easy to use for implementation of shortcut keys for basic editing functions. Notepad has a very simple and easy to use interface that doesn't take much memory and resources of the computer. Notepad offers users the option of editing and formatting texts especially when removing formatting from texts copied from a source, example the Internet.

3.2: ARCHITECTURE

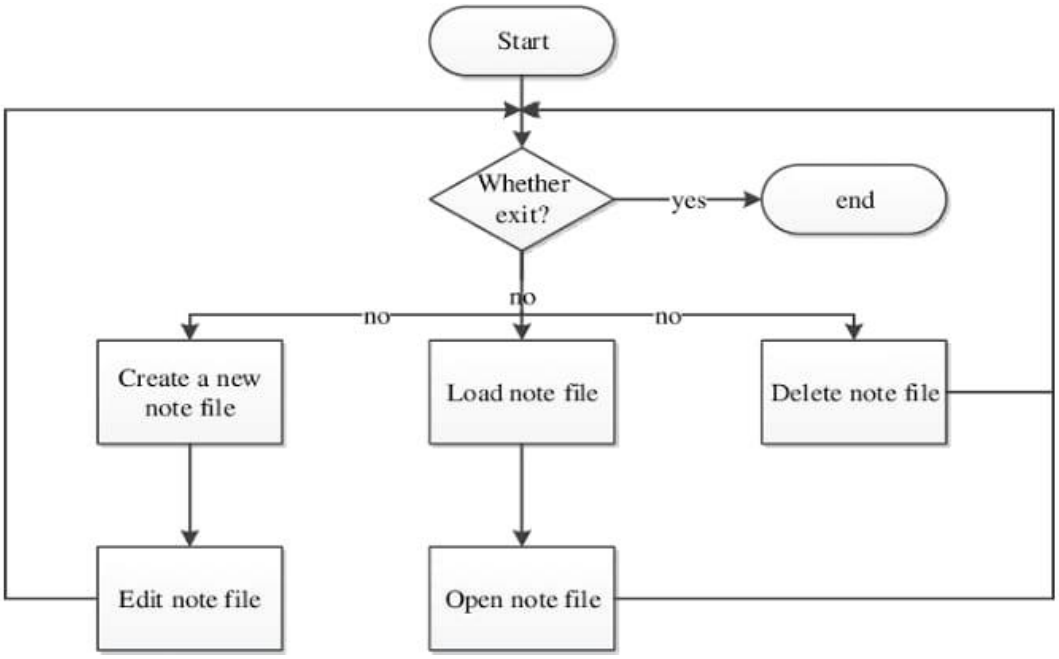

Figure 3.1: Flowchart for Notepad

3.3: ALGORITHM AND PROCESS DESIGN

Algorithm:

Step 1: Start
Step 2: Check whether user want to use notepad or exit notepad application, if yes then end program, if not then go to Step 3.
Step 3:Take user choice.
Step 4:If user choose create a new file, then create a new file and allow user to edit the created note file.
Step 5: Go to step 10. If not then go to Step 3.
Step 6: If user choose load note file then load not file and open the note file and go to step 7.
Step 7: Go to Step 10, if not then go to step 3.
Step 8: If user chooses delete note file,then delete that note file and then go to step 9.
Step 9: Go to step 10. If not then go to Step 3.
Step 10: Stop.

Steps followed to develop the project:

Step 1: Creating JFrame using NetBeans IDE.
Step 2: Forming a design using swing such as menu bar, menu items,etc.
Step 3: Making sure that the menu items are working.
Step 4: Making a report of the action performed by all the components.
Step 5: Identifying and fixing bugs and flaws.
Step 6: Running and executing the program.

3.4: Details of Hardware and Software

Hardware interfaces:

Windows 7 or above
Processor: Intel Pentium III or higher
Hard disk: 156 GB
RAM: 256 MB or more

Software interfaces:

Language: JAVA
Software Development Kit: JAVA JDK 1.8 or above
IDE: NetBeans 12.6

CHAPTER 4: RESULTS

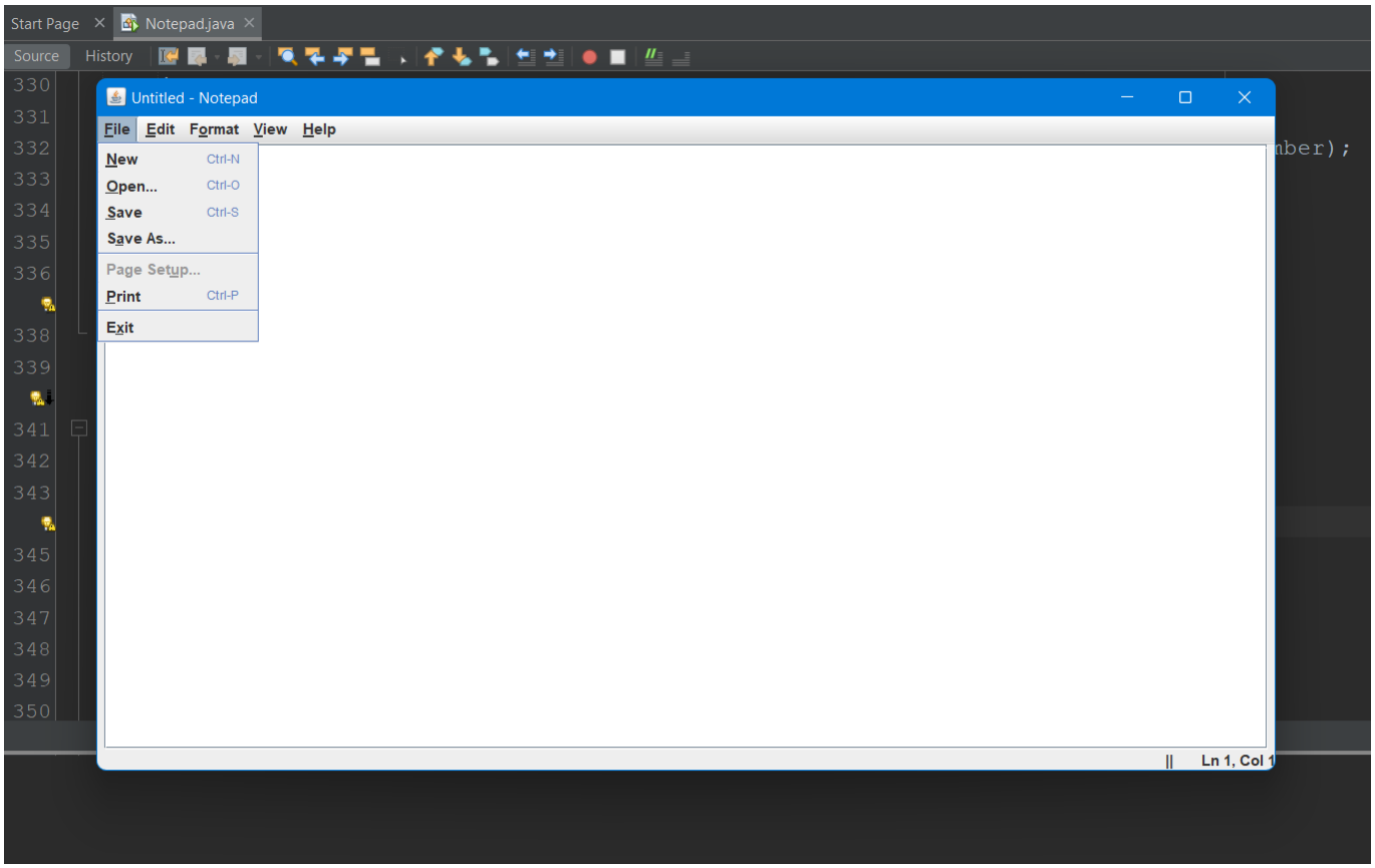
Start Page
Notepad.java
Source
History
Untitled - Notepad
File Edit Format View Help
New Ctrl-N
Open... Ctrl-O
Save Ctrl-S
Save As...
Page Setup...
Print Ctrl-P
Exit
Ln 1, Col 1

Figure 4.1

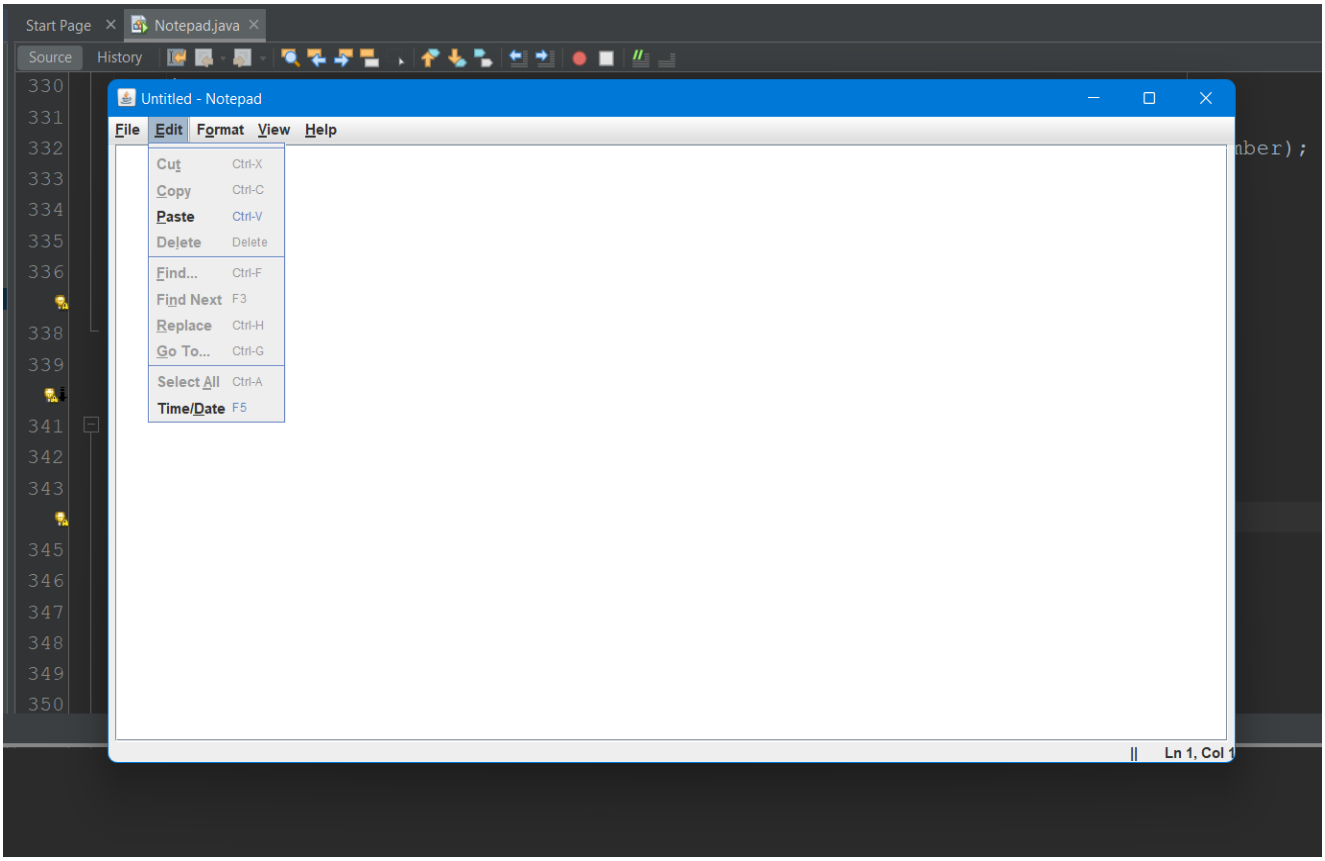
Start Page
Notepad.java
Source
History
Untitled - Notepad
File
Edit
Format
View
Help
Cut Ctrl-X
Copy Ctrl-C
Paste Ctrl-V
Delete Delete
Find... Ctrl-F
Find Next F3
Replace Ctrl-H
Go To... Ctrl-G
Select All Ctrl-A
Time/Date F5
Ln 1, Col 1

Figure 4.2

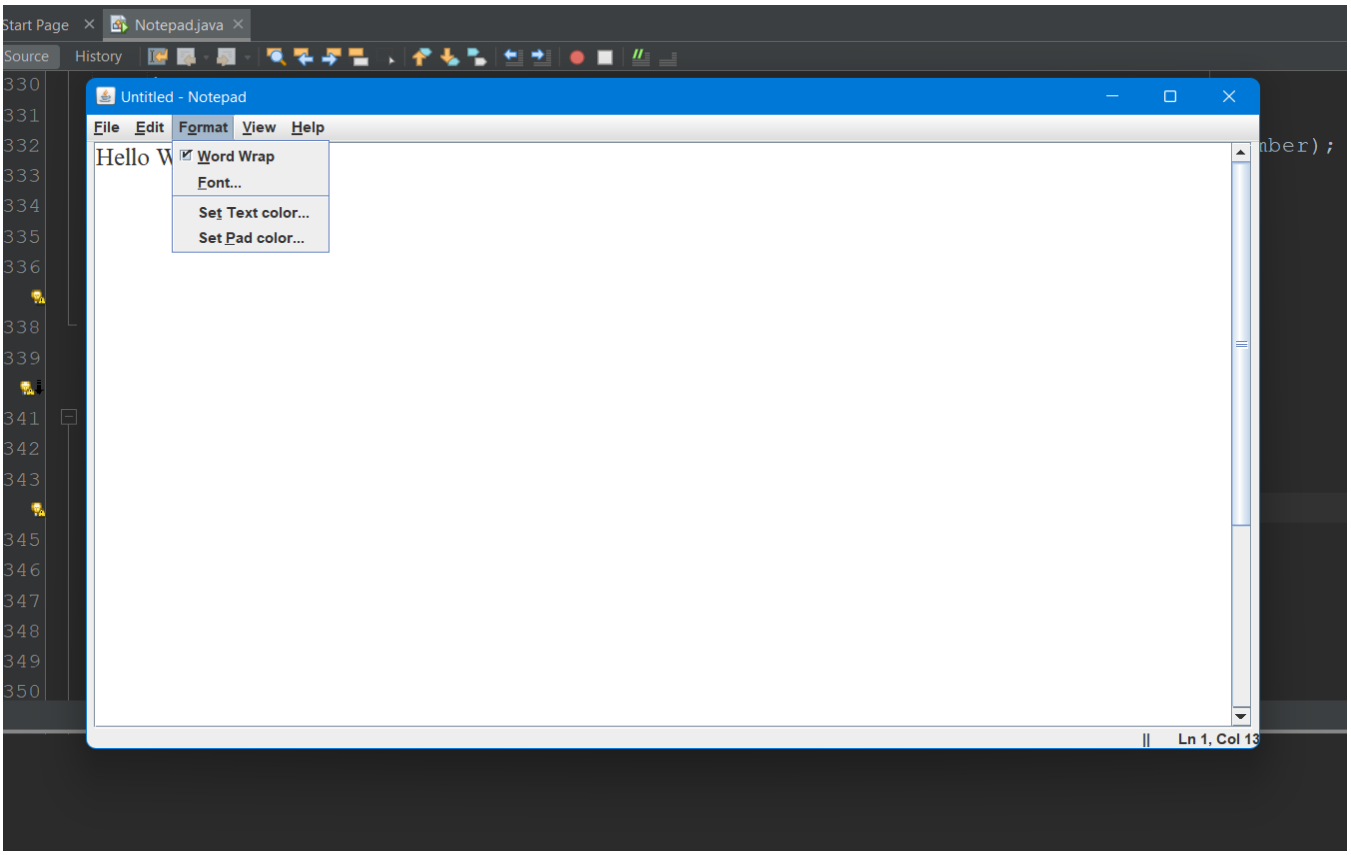
Start Page
Notepad.java
Source
History
Untitled - Notepad
File
Edit
Format
View
Help
Word Wrap
Font...
Set Text color...
Set Pad color...
Hello W
Ln 1, Col 13

Figure 4.3

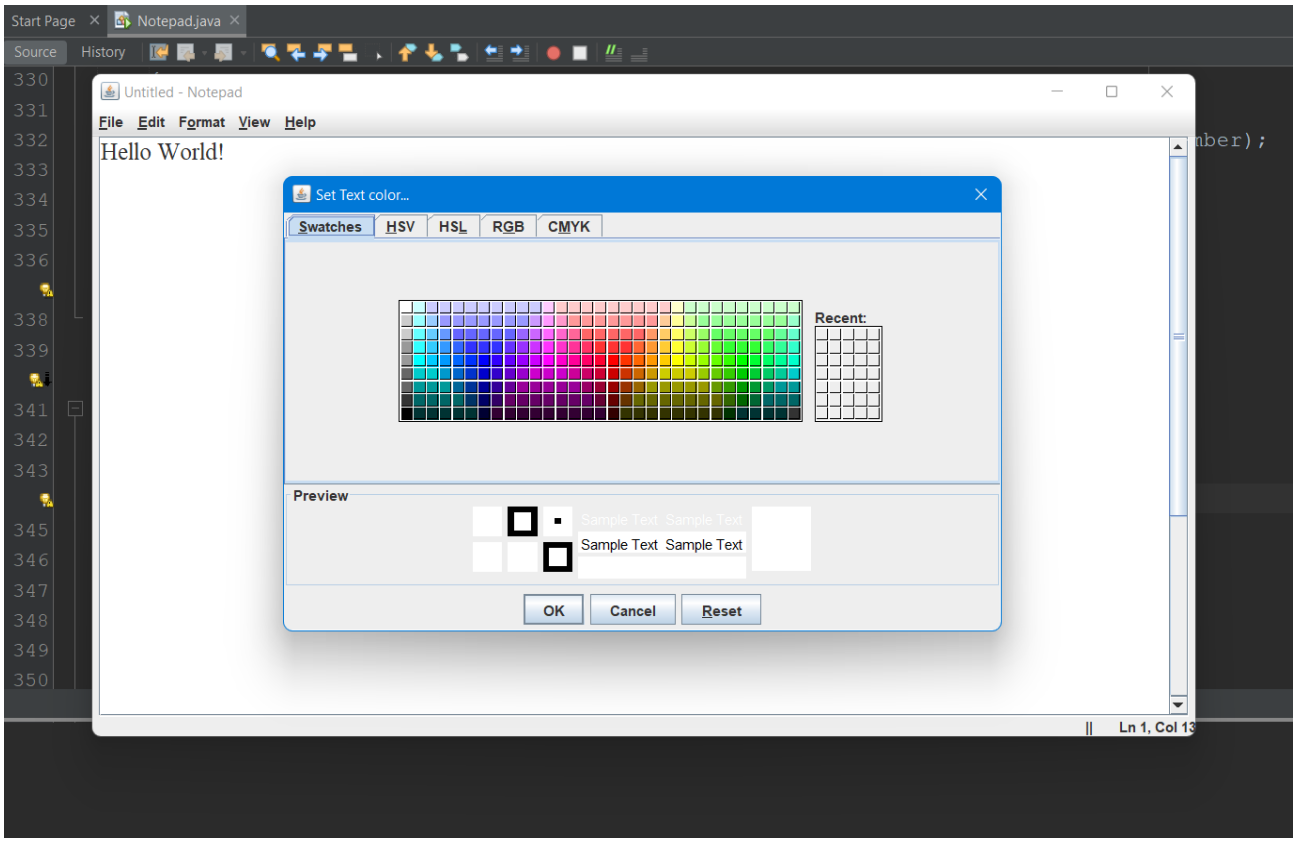
Start Page
Notepad.java
Source
History
Untitled - Notepad
File Edit Format View Help
Hello World!
Set Text color...
Swatches HSV HSL RGB CMYK
Recent:
Preview
Sample Text Sample Text
Sample Text Sample Text
OK
Cancel
Reset
Ln 1, Col 13

Figure 4.4

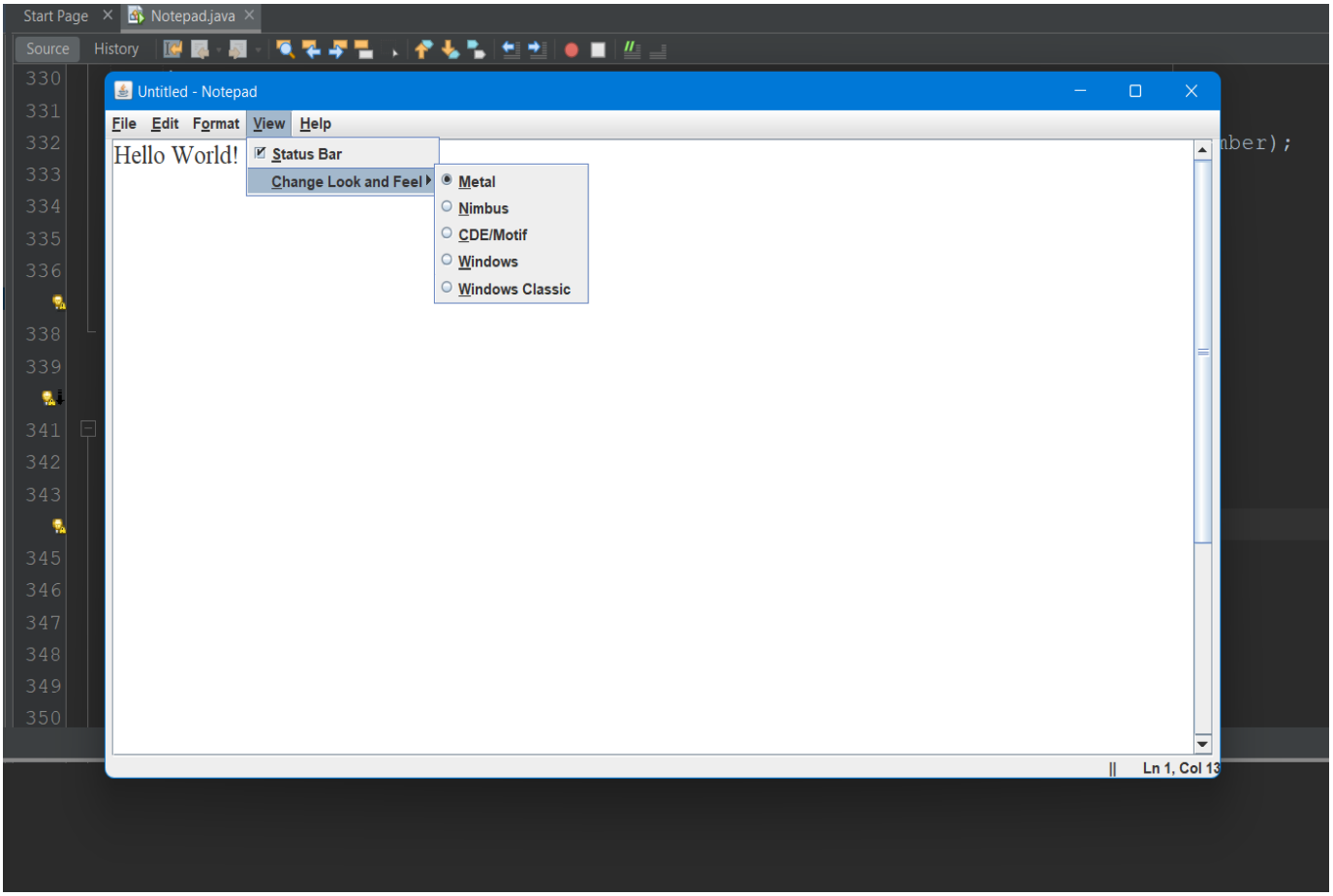
Start Page
Notepad.java
Source
History
Untitled - Notepad
File
Edit
Format
View
Help
Hello World!
Status Bar
Change Look and Feel
Metal
Nimbus
CDE/Motif
Windows
Windows Classic
Ln 1, Col 13

Figure 4.5

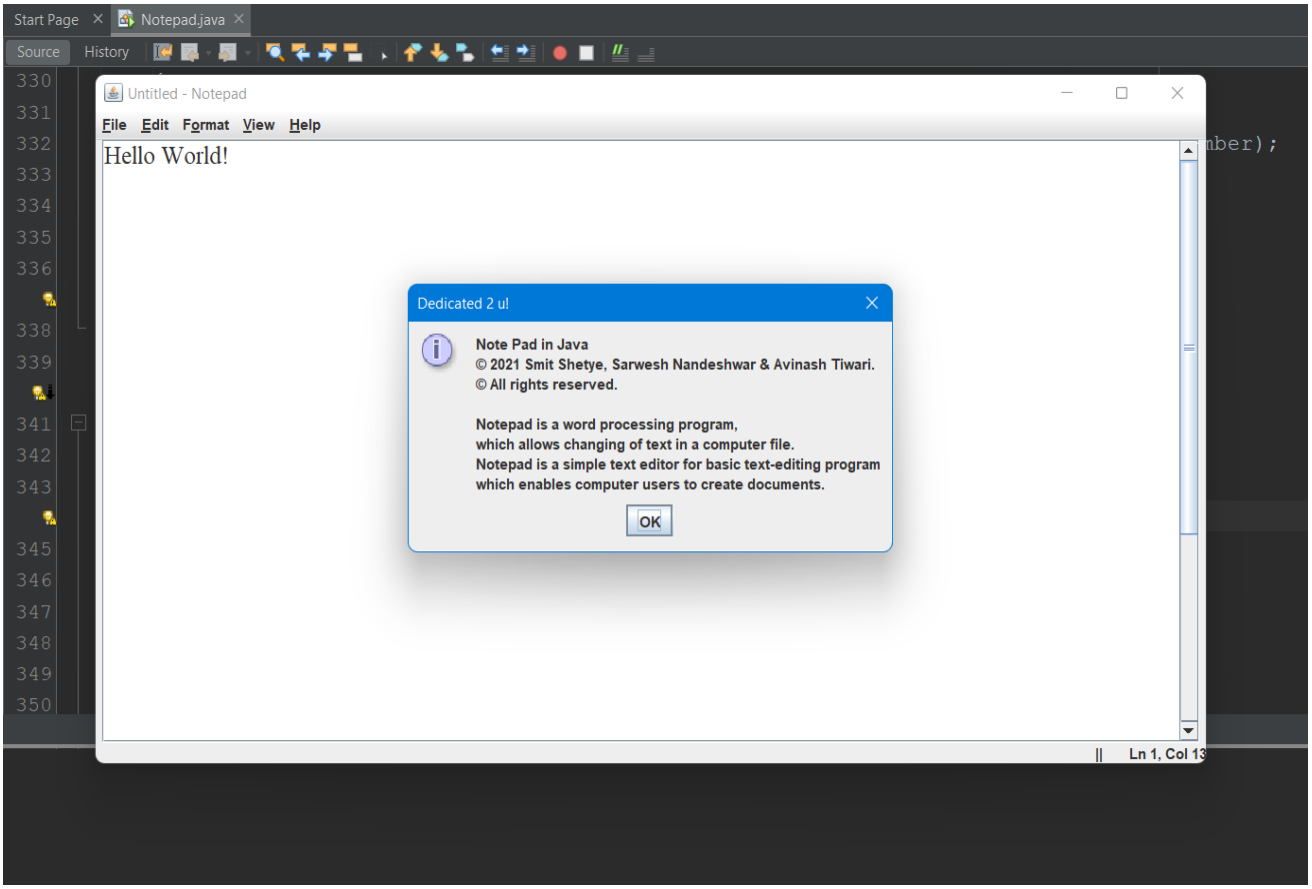
Start Page
Notepad.java
Source
History
Untitled - Notepad
File Edit Format View Help
Hello World!
Dedicated 2 u!
Note Pad in Java
© 2021 Smit Shetye, Sarwesh Nandeshwar & Avinash Tiwari.
© All rights reserved.
Notepad is a word processing program,
which allows changing of text in a computer file.
Notepad is a simple text editor for basic text-editing program
which enables computer users to create documents.
OK
Ln 1, Col 13

Figure 4.6

CHAPTER 5: CONCLUSION

CONCLUSION

Here we conclude our lines of our mini project on the topic ‘Notepad’ with the extreme satisfaction and contentment. This report consists brief definition of Notepad together with its features and functions.

Added to this, this report contains the basic description to create, edit, save, delete and exit from file through JAVA program. It is user friendly, which can be used by the user to perform desired operations. It also includes practical implementation of text editors through complex JAVA program.

ACKNOWLEGMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of people whose ceaseless cooperation made it possible, who's constant guidance and encouragement crown all efforts with success. We feel pleasure in expressing our heartfelt gratitude and vote of thanks to over guide Prof. Kirti Rajadnya, who guided us in difficult situations and helped us to enhance the concept of our mini project.

We would also like to thank our respected Principal Dr. P. R. Rodge and our Head of Department Prof. Savita Sangam for allowing us to build and present this mini project.

By:
Mr. Smit Shetye
Mr. Sarwesh Nandeshwar
Mr. Avinash Tiwari

Source Code & Website :-

Github :- https://github.com/smitshetye/Notepad-Made-In-Java-SSJCOE-SE-IT-Mini-Project

Gitlab :- https://gitlab.com/smitshetye/Notepad-Made-In-Java-SSJCOE-SE-IT-Mini-Project

Gitpod :- https://gitpod.io/#https://github.com/smitshetye/Notepad-Made-In-Java-SSJCOE-SE-IT-Mini-Project

Website :- https://smitshetye.github.io/Notepad-Made-In-Java-SSJCOE-SE-IT-Mini-Project/

Bibliography

Smit Shetye, S. N. (2021). *Notepad in Java.* Shivajirao S. Jondhale College of Engineering, Information Technology. Thane: Smit Shetye, Sarwesh Nandeshwar, Avinash Tiwari.

Works Cited

Smit Shetye, S. N. (2021). *Notepad in Java.* Shivajirao S. Jondhale College of Engineering, Information Technology. Thane: Smit Shetye, Sarwesh Nandeshwar, Avinash Tiwari.

(Smit Shetye, 2021)

Doi:- 10.5281/zenodo.5785860

Site :- https://www.researchgate.net/project/Notepad-in-Java