

FILE CAMOUFLAGE

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PROJECT MEMBERS

**MENTOR: MS. JASNEET KAUR
MA'AM**

**NIKHIL SAINI(1900300130064)
MD. SADIQUE RASHID(1900300130057)
NAVEEN KUMAR VARSHNEY(1900300130063)
ARUN KUMAR(1900300130018)**



**INDERPRASTHA ENGINEERING COLLEGE , GHAZIABAD, UTTAR PRADESH
AFFILIATED TO DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW, UTTAR PRADESH
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DESCRIPTION

- Steganography embeds a secret message inside an innocent looking cover medium, stealthily, without creating any attention. The cover medium used can be a text, image, audio, video, network packets, etc. In this desktop application there are 3 interfaces: Registration, Login, encode & decode. User needs to register first and he/she can login to the application while the user supposed to enter a PIN as a multifactor authentication when he/she login's with username and password. After logging in, user can write text and encode it and can share with the person whom he/she wants to send the secret message. This is how the text steganography, hide text within text works.

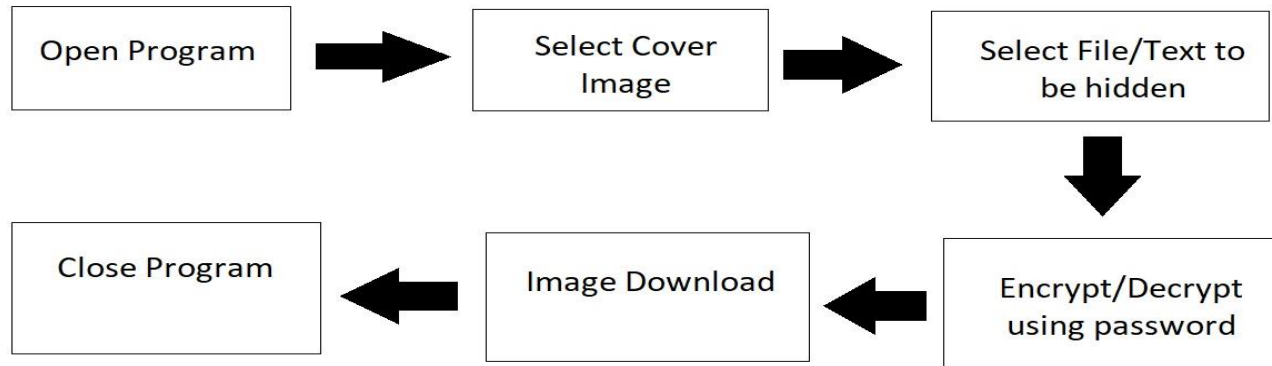
OBJECTIVE

- File Camouflage is a steganography technique implemented, to hide secrets inside text by encrypting the secret before cloaking it with special unicode invisible characters. It can be used to safely watermark strings, invisible scripts on webpages, texts on social media or for any other covert communication. Completely invisible!

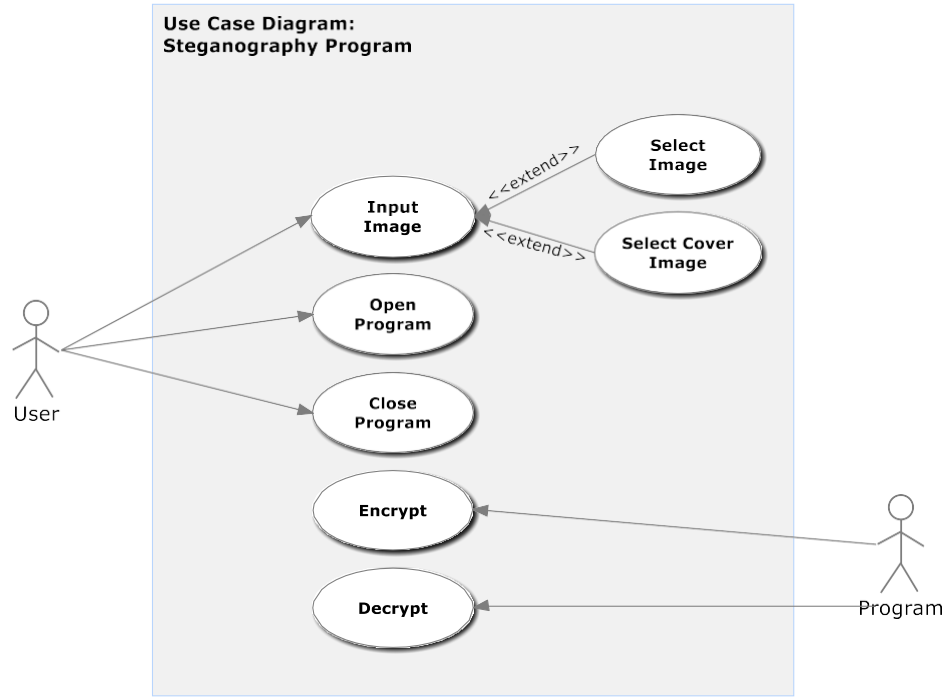
ABSTRACT

- The word steganography means “covered in hidden writing”. The object of steganography is to send a message through some innocuous carrier (to a receiver while preventing anyone else from knowing that a message is being sent to all. Computer based steganography allows changes to be made to what are known as digital carriers such as images or sounds.

FLOW CHART



USE CASE DIAGRAM




HARDWARE REQUIREMENTS

- Processor
 - Dual Core/ Pentium/ i3 Intel Processor
- RAM
 - 2 GB
- Hard Disk
 - 512MB
- Keyboard
 - Standard Windows Keyboard
- Mouse
 - Two or Three Button Mouse
- Monitor
 - Any

SOFTWARE REQUIREMENTS

- Operating System - Windows XP/7/8/10/11
- Server-side Script - JavaScript

NAV BAR OF FILE CAMOUFLAGE



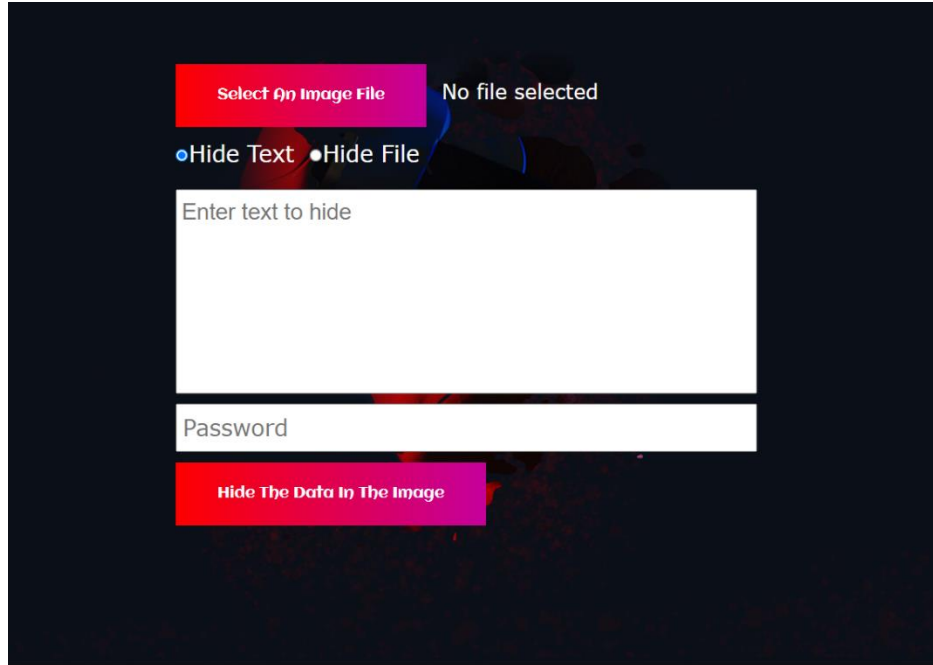
Hide Data

Extract Data

The Nav Bar contains two links :

1. Hide Data: to hide a file inside an image.
2. Extract Data: to retrieve data hidden in an image file.

MAIN PAGE OF FILE CAMOUFLAGE

The screenshot shows a dark-themed application window. At the top left, there is a red button labeled "Select An Image File". To its right, the text "No file selected" is displayed. Below the button, there are two radio buttons: "Hide Text" (which is selected) and "Hide File". Underneath these is a large white text input field with the placeholder text "Enter text to hide". Below the text field is a smaller white input field labeled "Password". At the bottom of the interface is a red button labeled "Hide The Data In The Image".

Select An Image File

No file selected

☒ Hide Text ☐ Hide File

Enter text to hide

Password

Hide The Data In The Image

In the main page we first have to select an image and then we have to choose whether we want to hide a text or a file. After that we have to enter a password and click on hide button and the data will be hidden.



Hide Data

Extract Data

File Camouflage

Steganography is the practice of concealing a file, message, image, or video within another file, message, image, or video.

Select An Image File

No file selected

☒ Hide Text ☐ Hide File

Enter text to hide

Password

Hide The Data In The Image

REFERENCES

- <https://www.w3schools.com>
- <https://developer.mozilla.org>
- <https://www.javapoint.com>
- <https://www.youtube.com>
- <https://www.wikipedia.com>



REFERENCES

- Rosziati Ibrahim and Teoh Suk Kuan, Steganography Imaging System (SIS):
Hiding Secret Message inside an Image
http://www.iaeng.org/publication/WCECS2010/WCECS2010_pp144-148.pdf
- Zaidoon Kh. AL-Ani, A.A.Zaidan, B.B.Zaidan and Hamdan.O.Alanazi, Overview: Main
Fundamentals for Steganography
<http://arxiv.org/ftp/arxiv/papers/1003/1003.4086.pdf>
- Bere Sachin Sukhadeo, User Aware Image Tag Refinement
<http://www.ijcsmr.org/eetecme2013/paper19.pdf>



Thank
you

