

GEORGIA STATE UNIVERSITY
CSC 8224 – CRYPTOGRAPHY
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PROJECT PROPOSAL
Protecting Text on Steganography

Team Members

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Introduction

Steganography hides a secret message inside an innocent-looking cover medium, drawing no attention to itself. The cover medium can be text, image, music, video, network packets. There are three interfaces in this desktop application: registration, login, encode and decode.

Problem Statement

There are a few issues with the steganography sites available right now. One major issue is the security of the page. There usually is no security for encrypted files, so if a third party or someone other than the sender and receiver gets access to the information, they can decode it easily. We propose developing a login site for our application to address this issue, complete with two-factor authentication or digital signatures. The sender and receiver may only read the message hidden in the steganography text or image.

Objectives

The main objectives of the proposed project include:

- Creating a more secured approach for the steganography.
- Creating and linking Two factor authentication.
- Managing the Digital signature.
- Having a smooth process for the user.