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## Abstract

Textual password is most typical methodology used for password authentication. The Username and Password authentication is an important part of today's internet application technology that normally controls access to restricted resources. Several authentications methods are bestowed. However users are acquainted with textual password method. Textual passwords are vulnerable to various attacks like eavesdropping, dictionary, SQL injection, brute force, denial of service attacks, shoulder surfing and key loggers. To overcome from these attacks several authentication systems like biometric authentications, token based authentications, graphical based authentications are used. These existing

methods are not highly secure, economical enough and have high failure rate. This paper consolidates the utilization of plain content accreditations that are cryptographically hashed at runtime with text based graphical login accreditations. The objective is to dependably ensure access to a client account notwithstanding when such record is under attack while in the meantime guaranteeing helpful and secure login encounter by real clients. This framework approved by utilizing the tools like Microsoft Visual Studio, SQL Server and Mat lab.

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Computer Science

### Index Terms

Security

### Keywords

Hashed Password Graphical Password Sql Injection Attacks Cryptographic Salt And Password Protection.