

Visual Lock - Enhancing Security with Visual Password

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Abstract: *The prevailing method of user authentication commonly involves the submission of a text-based password along with a username. However, this approach has inherent drawbacks that have been widely acknowledged. A significant challenge is the difficulty users face in remembering passwords, leading to the adoption of short and simplistic ones, which in turn renders them susceptible to easy guessing or hacking. To address these concerns, this article introduces a novel financial graphical password authentication system. The operational details are elucidated through real-world examples, emphasizing key features of the system. In response to the limitations of conventional text-based password authentication, a groundbreaking financial graphical password method is proposed in this article. The prevailing issue of users resorting to short and easily guessable passwords due to memory constraints is addressed through this innovative approach. The article not only explains the functioning of the new system using real-world instances but also underscores its crucial features that enhance security in user authentication*

Keywords: Security, Text-based password, Recognition, Pictures, Graphical password, Authentication