

# **Computing for Human Services**

**Chief Editor**

**Shihab Ahmed Hameed**

*Electrical and Computer Engineering-IIUM University*

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## Chapter 32

### Graphical Password Security Model

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#### 32.1. Introduction

This chapter is implementation for the theoretical concepts in previous chapter. The features and sub features of the existing graphical password methods, is determined and compared to each other to produce this original product. The new prototype is designed to suit the needs of advance level security with simplicity. Proposed project based on analysis that had been done based on literature review. The proposal includes prototype and architecture that aim to solve the attacks faced by most graphical authentication and simultaneously improve the design of current graphical authentication method. The design will focus on Recall Based Technique using Click Point approach.

#### 32.2. Access Control Design

The fundamental design of the graphical password system can be illustrated in the Figure 1. At the initial stage, a user needs to enter the correct password to be authenticated in order to access the database. The password used in the system is graphical password which is different in many aspects from the traditional text based password. As the project goes along, a discussion is made about the characteristic of my proposed graphical password and also the several advantages it possesses.

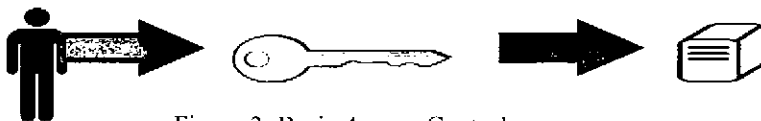


Figure 3: Basic Access Control

The idea behind any authentication system is to distinguish the authorized users from the other users. This is to ensure security and give the privilege only for authorized personnel. As for each end user, their concern is to have a secured account as well as easy to remember password. For the above constrains, it can design a new system which is reliable as well as easy to use features.