

**Universiti Teknologi MARA**

**Single Sign On**

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## **ABSTRACT**

Nowadays, there are so many restricted services and information that need web users to prove their identity in order to be granted access to that particular website. This situation results in an inconvenience to the user because it is a burden to keep track of multiple login credentials as well as tiring and time consuming to authenticate them every time they wanted an access to different websites. The objectives of this project is to enable a user to sign in only once and able to access all the websites available without the need to sign in again. This project gives the user an easy way to handle multiple websites and also beneficial as it reduces password fatigue due to having too many usernames and passwords to remember. This project used openID to build the Single Sign On system with the aid of Janrain's social sign in widget. This widget allows user to have options to sign in using their preferred existing social network account. This widget also allows new user to register without going through the hassle of filling in a long registration form. It is hope that this project will give benefits to all the users in order to access the services and information in the portal with convenience.

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# CHAPTER 1

## INTRODUCTION

### 1.0 Introduction

Single sign-on (SSO) is a method use in authentication system which allows user to login only once and able to access and navigate to all systems without the need to login with yet another credentials upon every application accessed. The biggest benefit to configuring SSO is that it reduces password fatigue from many different usernames and passwords combinations. SSO users only need to remember one password in order to access all system and applications. It also reduces phishing attack or other password related attack as with the SSO the users are not used to entering passwords everywhere without thinking. With so many systems and applications that need authenticating, users are automatically trained to entering password without realizing the threats. Though it is not mention as a problem by any party that use SSO, this method indirectly reduces IT costs due to lower number of IT helpdesk calls regarding passwords.