WebSite Applicati**on Report**

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**Table Of Contents**

[Introduction 2](#_Toc350867373)

[Description Of Hyper Text Transfer Protocol Security 2](#_Toc350867374)

[Limitations Of Developing WebSite Applications 3](#_Toc350867375)

[Advantages Of WebSite Applications 3](#_Toc350867376)

[References 4](#_Toc350867377)

[Hyper Text Transfer Protocol Security (HTTPS) 4](#_Toc350867378)

[Building WebSite Applications 4](#_Toc350867379)

[Advantages Of WebSite Applications 5](#_Toc350867380)

# Introduction

This report will outline the website technologies used for this project.

# Description Of Hyper Text Transfer Protocol Security

Here is the description of Hyper Text Transfer Protocol Security (HTTPS). It is:

The Hyper Text Transfer Protocol Security, is a technology used for web site applications. It uses a ssl layer, under the website layer, to provide secure connections, for website applications. It allows for secure connections over the world wide web. It uses an encryption key, hashing, and salt, to secure connections to website applications. It then has secure https requests, and returns a secure request, from the web server. This protocol was developed by Netscape Corporation in 1997. For example, when you say visit <http://www.ebay.com.au>, you visit the login form, and you fill in your login id and your password. Ebay uses https technology. It then uses the secure tcpip sll security protocols to then send the request, and for the secure protocol to send back the secure web request. All this data is encrypted, using ssl, technology, and using a database, and also hashing and salt algotrythms. Then in a milli second, you see your user page, and you have logged into ebay. And your name appears, and then ready to sell, purchase, goods on ebay, using the https secure technology.

# Limitations Of Developing WebSite Applications

Here are the limitations of developing website applications. They are:

* Not all client side scripting applications, can support all web browsers. Some maybe not work with Internet explorer, firefox, Opera, google Chrome, Apple Safari. The business software, that a corporation wants to use for web based applications, maybe not be compatible for the internet. Browsers should support such functions, as html, tables, headings, links, forms, etc. It must also support some nonstandard browsers. It should support as many browsers as possible.
* You should never mix the business logic, or the code with the user interface. This is unsecure, and your code is possible for anyone to see on the internet. Your code may not be protected, from hacking, and other cyber-attacks on the internet. It can make for programmers to debug, problems, and code, and does it make it more harder. You might have for example, an active ex control, which prints out tables in Microsoft word. If you try to reuse that code say in Microsoft Excel, you may encounter such problems as incompatibility, and the rows and cells, maybe not look the same, or do the same function. It could crash, or give incorrect data, like you have the incorrect cell, or row, that you had in Word, but does not have the correct cell coordinate in Excel.
* Some client applications, do not take full advantage of the three tier model. That is the user interface, the client application, and the server application. This could be served better, by the server, taking on more intensive tasks, like multi-threaded requests, for multiple servers. A two teir client application. Would struggle to adequately do justice to this application. The server could be better, and take on such tasks, as resource management and data manipulation.

# Advantages Of WebSite Applications

Here are the advantages for developing a website application. They are:

* The applications, have a web browser, installed on the clients machine.
* Reduces business costs, instead of people having to talk to clients on the phone. They can get instant access to the web application, and update data in real time.
* Data I centralized, and easy to backup. Also it is secure for the client, as the application is on the webserver, or in the cloud in tech jargon.
* Quick and easy updates for the user to update their data, like their shopping purchases on Amazon or EBAY.
* Reach anyone, anywhere in the world.
* The user is able to get access to the application, 7 days a week, 24 hours a day.
* Low specification laptop, or desktop computers, tablets and smart phones, can use this web application.
* Training can be done, at the users machine, at their own time and convenience, where ever they are in the world.
* Direct and up to date information for users.

# References

# Hyper Text Transfer Protocol Security (HTTPS)

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# Building WebSite Applications

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# Advantages Of WebSite Applications

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