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| Website Requirements |
| Garden Centre Plus Website |
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| Within this document are the detailed design and functionality requirements, which have been established for the Garden Centre Plus website. All requirements have been produced with the scenario/assignment brief in mind. |

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# Scope

## 1.1 Identification

This document details the Software Requirements (SR) for the Garden Centre Plus website (GCP). The requirements will be displayed by layout of the different web pages within the website, and will also be apportioned through functionality needs that are present.

## System Overview

The Garden Centre Plus website is a web application, which has the intended purpose of replacing the old DOS based program, which the Garden Centre is currently using. The primary aim of the Garden Centre Plus website is to allow the business to manage their customer: database, inventory and sales order processing in a more efficient and competent way. It will replace the existing design and functionality that their previous system incorporated, along with offering additional features.

The System will require an employee with Admin rights to initially add someone to the database, before they’re then provided with an employee number, and thus able to create an account and access the features within the website.

The website will provide a number of different functions and features for employees, including:

* Register an account/Log in
* Remote access
* Add, edit, delete and search data
* Place orders
* Check stock levels
* Handle employee and customer details

The website will be simple and understandable to use, with features which greatly consider HCI.

## System Requirements

Upon using the website, the system must have an active connection to the web, through either Google Chrome or Microsoft Edge. The latest version of either browser should be downloaded to allow the website to run smoothly. Although the latest version of the browser depends on the platform which it is running on, the current versions can be seen below:

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| --- | --- |
| **Google Chrome Browser** | |
| **Platform** | **Version** |
| Windows | 65.0.3325.181 |
| MacOS | 65.0.3325.181 |
| Linux | 65.0.3325.181 |
| Android | 65.0.3325.109 |
| iOS | 65.0.3325.152 |

|  |  |
| --- | --- |
| **Microsoft Edge Browser** | |
| **Platform** | **Version** |
| Windows 10 | 41.16299.15.0 |
| Windows 10 Mobile | 40.15254.248.0 |
| Xbox One | 40.15063.0.0 |

The website is scalable, therefore meaning that it should be compatible with any screen resolution. However, the suggested is: 1920 x 1080 (1080p).

## Document Overview

This Software Requirements Specification (SRS) specifies the requirements for the Garden Centre Plus Website, and the methods that will be used to ensure that each of the requirements has been met.

# Referenced Documents

|  |  |  |  |
| --- | --- | --- | --- |
| **Ref No.** | **Title** | **Document ID** | **Issue** |
| 1 | Software Requirements Specification (MIL-STD-498) | DI-IPSC-81433 | N/A |

# Definition of Terms

This section contains the definitions of the terms used when specifying the requirements for the Garden Centre Plus Website. Use of the words: ‘may’, ‘must’, ‘shall’, ‘should’ and ‘will’ within the specification of the requirements, observes the following rules:

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| --- | --- |
| **Term** | **Definition** |
| May | The word ‘may’ within this document, expresses a permissible practice or action. Although it may be desired, it does not express a requirement of the specification for the website. |
| Must | The word ‘must’ within this document is used for a legislative or regulatory requirement – such as a Health & Safety priority, and must therefore be complied with. It is not used to express a requirement of the specification for the website; however it is a precondition. |
| Shall | The word ‘shall’ within this document is used to express a mandatory requirement of the specification for the website. Departure from said requirement is not permitted unless a formal agreement has been acknowledged with our lecturer. |
| Should | The word ‘should’ within this document, expresses a recommendation or advice on implementing a requirement as such, in the specification for the website. Such recommendations or advice will be followed and thus included within the website, unless later instructed not to – or valid reasons can be given as to why this has not been included. |
| Will | The word ‘will’ within this document, exclaims a service which will be provided by the website – as per a requirement included within the specification. |

# Website Requirements

## 4.1 General

GCP\_WA\_GEN\_REQ\_001: The website shall be accessible from any workstation which has an active connection to the internet.

GCP\_WA\_GEN\_REQ\_002: The website shall be accessible through either Google Chrome or Microsoft Edge.

GCP\_WA\_GEN\_REQ\_003: The website shall be secured by a username and password.

GCP\_WA\_GEN\_REQ\_004: The website shall allow employees to manage general customer information, along with order processing.

GCP\_WA\_GEN\_REQ\_005: The website shall allow users to log in and perform tasks which are dependent on their level of access and authority.

GCP\_WA\_GEN\_REQ\_006: The webpages will either contain an exit symbol navigation button or logout button, to allow the user to return to the previous page or logout of the system.

GCP\_WA\_GEN\_REQ\_007: Internal pages within the website shall not be able to be accessed, unless the user has a session valid on the server.

## 4.2 Navigation Bar

GCP\_WA\_NAV\_REQ\_001: The navbar will contain an email address which is specific to the user who has logged in.

GCP\_WA\_NAV\_REQ\_002: The navbar will contain a ‘Logoff’ button, allowing users to exit the system.

## Standard Employee User Abilities

Within the Garden Centre Plus, there shall be two user levels. Each has varying levels of control over the application and its contents.

### Login - Webpage

GCP\_WA\_SA\_001: The standard user shall be able to enter the following information into various fields:

* Email Address;
* Password.

GCP\_WA\_SA\_002: The Email Address field shall allow the user to enter no more than 50 characters.

GCP\_WA\_SA\_003: The Password field shall allow the user to enter no more than 10 characters.

GCP\_WA\_SA\_004: Both the Email Address and the Password fields shall be capped at the values stated above.

GCP\_WA\_SA\_005: The standard user shall be able to click the ‘Forgotten your password?’ link, and be directed to the ‘Forgotten Password’ pop-up page.

GCP\_WA\_SA\_006: The standard user shall be able to click the ‘Don’t have a password? Create one here’ link, and be directed to the Register pop-up page.

GCP\_WA\_SA\_007: The standard user shall be able to click the ‘Login’ button and be taken to the ‘Menu’ page.

GCP\_WA\_SA\_008: When the login button is clicked by a standard user without a registered account, the button shall not produce any action.

### Register - Webpage

GCP\_WA\_SA\_009: The standard user shall be able to enter the following information into the various fields:

* Email Address;
* Employee ID;
* Password;
* Re-type Password.

GCP\_WA\_SA\_010: The standard user shall be able to click the ‘Register’ button, and be notified that their account details will be emailed to them.

GCP\_WA\_SA\_011: The standard user shall be able to click the exit button, and return to the previous page.

### Forgotten Password – Popup Window

GCP\_WA\_SA\_012: The standard user shall be able to enter the following information into various fields:

* Email Address;
* Employee ID.

GCP\_WA\_SA\_013: The standard user shall be able to click the ‘Send Email’ button, and have their password sent to them.

GCP\_WA\_SA\_014: The standard user shall be able to click the exit button, and return to the previous page.

### Delete Confirmation – Popup Window

GCP\_WA\_SA\_015: The standard user shall be able to click the ‘Cancel’ button. When clicked, this shall close the popup window and abort the delete.

GCP\_WA\_SA\_016: The standard user shall be able to click the ‘Confirm’ button. When clicked, this shall close the pop window and remove the data selected to be deleted.

### Menu – Webpage

GCP\_WA\_SA\_017: The standard user shall be able to click the following navigation buttons:

* Customers;
* Transactions;
* Inventory;
* Employee Accounts.

GCP\_WA\_SA\_018: When each navigation button is clicked, the user shall be directed to the correct page.

GCP\_WA\_SA\_019: When the Employee’s account is clicked, the standard user shall not have access to its contents.

### Customers – Webpage

GCP\_WA\_SA\_020: The standard user shall be able to add data.

GCP\_WA\_SA\_021: The standard user shall be able to edit data.

GCP\_WA\_SA\_022: The standard user shall be able to add and edit the data within the edit/add forms view.

GCP\_WA\_SA\_023: The standard user shall be able to view various types of information, including:

* Name;
* Orders;
* Operations.

### Transactions – Webpage

GCP\_WA\_SA\_024: The standard user shall be able to add transactions.

GCP\_WA\_SA\_025: The standard user shall be able to add data within the edit/add forms view.

GCP\_WA\_SA\_026: The standard user shall be able to view various types of information, including:

* Name;
* Date of Transaction;
* Amount;
* Operations.

### Inventory – Webpage

GCP\_WA\_SA\_027: The standard user shall be able to add data.

GCP\_WA\_SA\_028: The standard user shall be able to edit data.

GCP\_WA\_SA\_029: The standard user shall be able to delete data.

GCP\_WA\_SA\_030: The standard user shall be able to add and edit the data within the edit/add forms view.

GCP\_WA\_SA\_031: The standard user shall be able to view various types of information, including:

* Item Name;
* Amount in Stock;
* Operations.

### Employees – Webpage

GCP\_WA\_SA\_032: The standard user shall not have access to this page.

## Admin Employee User Abilities

An administrator shall have all of the rights and abilities that a standard user has (detailed within section 4.2), as well as the following requirements detailed below:

### Menu – Webpage

GCP\_WA\_AA\_001: When the Employee’s account is clicked – unlike a standard user – an employee with admin privileges will be taken to the page.

### Customers – Webpage

GCP\_WA\_AA\_002: An employee with admin privileges shall be able to delete data.

### Transactions – Webpage

GCP\_WA\_AA\_003: An employee with admin privileges shall be able to edit transactions.

GCP\_WA\_AA\_004: An employee with admin privileges shall be able to remove transactions.

### Employees – Webpage

GCP\_WA\_AA\_005: An employee with admin privileges shall be able to access this page – unlike users with standard abilities.

GCP\_WA\_AA\_006: An employee with admin privileges shall be able to add data.

GCP\_WA\_AA\_007: An employee with admin privileges shall be able to edit data.

GCP\_WA\_AA\_008: An employee with admin privileges shall be able to delete data.

GCP\_WA\_AA\_009: An employee with admin privileges shall be able to view various types of information, including:

* Name;
* Date Account Created;
* Operations.

GCP\_WA\_AA\_010: An employee with admin privileges shall be able to add and edit the data within the edit/add forms view.

# Notes

## 5.1 Glossary

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| **Term** | **Definition** |
| GCP | Garden Centre Plus Website. |
| Remote Access | Able to be accessed from anywhere on the web. |
| HCI | Human Computer Interaction. |
| Amin Privileges | Extended access to features within the site, such as adding an employee to the system. |
| MIL-STD-498 | The military standard from which this document is derived. |
| DOS | Disk Operating System. |