Software Requirements Specification

For

MIS 419 Semester Project

Version 1.0 approved

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Table of Contents

Revision History

Name	Date	Reason For Changes	Version
Jonathan Guin	4-22-18	Added new information, and attempted to clarify some existing information	2.0

1. Introduction

1.1 Purpose

The Oxford Construction Company website, version 1.0, is designed to log jobs, customers, hours worked, materials used, and to prepare various reports, while giving the staff an appropriate interface to do so.

1.2 Document Conventions

There are no special document conventions to be aware of.

1.3 Intended Audience and Reading Suggestions

This document is aimed mainly towards the people who will be using the system, but there are also some parts that may be useful to developers. For instance, the end user may be more interested in section 2, while a developer might be more interested in sections 3 and 4. It is recommended that the reader begins in section 1 and gradually works through the document in a sequential manner.

1.4 Product Scope

This website is designed to help maintain order and organization in Oxford Construction Co.'s business dealings. This website aims to make managing resources easier by giving management the tools necessary to quickly prepare various reports. Tits important to note that these reports are not designed to replace the accountant's books, by any means. Rather these reports are designed to give management the tools necessary to keep track of operational costs, such as wages and material costs.

2. Overall Description

2.1 Product Perspective

This is an original self-contained website designed to meet the business needs of Oxford Construction Co. This website is to be hosted and administered from Godaddy's platform, which can be accessed by the internet.

2.2 Product Functions

The website will serve the following functions:
- *Log the materials used and their costs*
- *Log the hours employees worked on specific jobs*
- *Prepare sample invoices for jobs (based on wage and material costs)*
- *Calculate the employee's weekly wages before taxes and other deductions are applied*
- *Calculate the amount owed to suppliers each month*
- *Manage and maintain records on active and completed jobs*
- *Manage and maintain the records of all employees, past and present*
- *Allow management to add or edit materials, and activate or deactivate employee accounts.*

2.3 User Classes and Characteristics

Listed below are the various levels of users for this website. These users are listed in a descending fashion based on importance and the rights each user class has.
- ***Owners*** *– have the ability to add and edit information on customers, jobs, employees, and materials, as well as having access to all features available to lower user classes.*
- ***Foremen*** *– have the ability to log their hours, approve hours, view their earnings history, and add or edit materials.*
- ***Secretaries*** *– have the ability to log their hours, view their earnings history, and view and prepare reports.*
- ***Employees*** *– have the ability to add hours worked on specific jobs, and view their earnings history,*
- ***Accountants*** *– have the ability to log their hours and view everything, but they cannot edit.*

2.4 Operating Environment

Since this is a web-based software application, there are no specific hardware or operating system requirements. However, it is recommended that the user maintains an up to date system and web-browser to take advantage of any future security updates that may be published.

2.5 Design and Implementation Constraints

As stated earlier, this website will run on Godaddy's platform. This means that we will use the tools supported by Godaddy, which include MySQL databases and PHP functionality. This will not be a problem, and should present few if any constraints to the proposed software. Additionally, we will offer services to update and maintain the website either by monthly plan, or by appointment.

2.6 User Documentation

Upon delivery of the proposed software, the company will be provided with a user manual for the website. Users will also be offered an in-person tutorial, when the software is delivered. If any further assistance is required, please contact us at 1-662-111-2222.

2.7 Assumptions and Dependencies

We assume that all required product features have been discussed, and accounted for. The addition of more features will require more development time. Since we will be using Godaddy, we also assume that their services will remain functional. Any problems presented by Godaddy's failure to provide adequate service will delay development, since we are currently dependent on their services for access to the proposed website on the internet.

3. External Interface Requirements

3.1 User Interfaces

The website will contain various pages that can be accessed depending on the user's rights. For instance, employees will be prompted for their login information and only have access to a web-page that allows them to enter their hours worked on a particular job, and a page that displays their earnings history. These pages may contain dropdowns for jobs, a textbox and a submission button. All pages will have varying inputs and features depending on the user's rights. All pages will also have a link to the company's homepage and a link to log out, as well. The website's visual appearance and style can also be changed at management's discretion; however, a fee will be incurred for any changes made after the product is deployed.

3.2 Hardware Interfaces

As a website, the main interface between the software and hardware components will be the user's web browser. The vast majority of browsers will support this site; however, the user may encounter some browsers that do not. Google Chrome will be used in the development of this website, so any machine that can effectively run Chrome should be able to interface with this site.

3.3 Software Interfaces

Due to the website being on Godaddy, the vast majority of software interfaces will be controlled by them. This means that we don't have to pay much special consideration to the software that is being used. However, it shall be noted that Godaddy uses MySQL database server (5.6.39-cll-lve - MySQL Community Server,) and PHP (Version 4.0.1.) Generally, any device with a web browser will have no trouble accessing the website.

3.4 Communications Interfaces

As a website, the main communication interface to be concerned with is the web browser. This browser will use the hypertext transmission protocol (http) to communicate with the Godaddy's

server. As long as the client has a working browser, and is connected to the internet, the website should work.

4. System Features

4.1 Login Function

4.1.1 Description and Priority

This feature will allow users to login to the website, and the login feature will also delineate the access levels each user has to the website. This is of the highest priority since without this feature, anyone could potentially view sensitive information.

4.1.2 Stimulus/Response Sequences

The user will first be prompted for their login information, and after they have entered legitimate information they will be redirected to a web page corresponding to their access level.

4.1.3 Functional Requirements:

REQ-1: The user must have a functioning browser.
REQ-2: The user's browser must allow cookies.
REQ-3: The user must be connected to the internet.

4.2 Log Hours Function

4.2.1 Description and Priority

This function allows users of all access levels to submit the hours, which they worked on a particular job, for approval. This function is crucial, since without it no new hours would be added and the website would lose most of its functionality.

4.2.2 Stimulus/Response Sequences

Once the user logs in, they can navigate to the log hours page by selecting "Log Hours" from the dropdown menu under "Employee Actions." Once they are on the page, they can populate the form and submit their hours for approval.

4.2.3 Functional Requirements:

REQ-1: The user must have a functioning browser.
REQ-2: The user's browser must allow cookies.
REQ-3: The user must be connected to the internet.
REQ-4: The user must be logged in.
REQ-5: The user must populate the form with correct data.

Failure to meet the first four requirements for this function will cause the user to become unable to view the form, and failure to meet the fifth will cause the company to have inaccurate records.

4.3 View Paystubs Feature

4.3.1   Description and Priority

This feature allows users of all access levels to view the amount of money they earned each week before taxes and other deductions were applied. This feature is less critical, since its absence would not adversely impact the website as a whole.

4.3.2   Stimulus/Response Sequences

Once the user logs in, they can navigate to the paystubs PDF by selecting "View Paystubs" from the dropdown menu under "Employee Actions," and then clicking "Get Paystub History."

4.3.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have software capable of viewing PDFs.

Failure to meet the requirements for this feature will cause the user to become unable to view the PDF.

4.4 Approve Hours Function

4.4.1   Description and Priority

This function allows Foremen and Owners to approve the hours worked by employees. This function is of critical importance because without approved hours, many of the reports will be inaccurate.

4.4.2   Stimulus/Response Sequences

Once an owner or foreman logs in, they can navigate to the approve hours page by selecting "Approve Hours" from the dropdown menu under "Employee Actions," and then clicking the icon to the left of the entry they would like to approve. From there they will be brought to a form where they can confirm the amount of hours that the employee worked and submit the changes.

4.4.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must enter the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have inaccurate records.

4.5 Add Materials Function

4.5.1   Description and Priority

This function allows Foremen and Owners to add materials that were used on a job. This function is of critical importance because without accurate material costs, many of the reports will be inaccurate.

4.5.2   Stimulus/Response Sequences

Once an owner or foreman logs in, they can navigate to the add materials page by selecting "New Material" from the dropdown menu under "Materials." The user can then populate the form with the appropriate information, and click the submit button to add the material to the database.

4.5.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must enter the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have inaccurate records.

4.6 Edit Material Function

4.6.1   Description and Priority

This function allows Foremen and Owners to edit materials that were used on a job. This function is of critical importance because without accurate material costs, many of the reports will be inaccurate.

4.6.2   Stimulus/Response Sequences

Once an owner or foreman logs in, they can navigate to the add materials page by selecting "Materials Used" from the dropdown menu under "Materials." The user can then click the icon to the left of the entry that they would like to edit, and edit the material's information in the pre-populated form that is displayed. After the user is satisfied with the changes, they can click submit to update the information in the database.

4.6.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level
REQ-6:   The user must enter the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have inaccurate records.

4.7 View Materials Used Feature

4.7.1   Description and Priority

This feature allows Owners and Foremen view the materials that have been used on each job. This feature is critical because it provides management with the ability to visually inspect material data, as well as providing a way to easily select materials to edit.

4.7.2   Stimulus/Response Sequences

Once an owner or foreman logs in, they can navigate to this page by selecting "Materials Used" from the dropdown menu under "Materials."

4.7.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level

Failure to meet the requirements for this feature will cause the user to become unable to make use of it.

4.8 Add Employee Function

4.8.1   Description and Priority

This function allows Owners to add new users to the database. This is another critical function because the ability to add new employees will allow the database to expand as the company does.

4.8.2   Stimulus/Response Sequences

Once an owner logs in, they can navigate to the add employee page by selecting "Add a New Employee" from the dropdown menu under "Manage Employees." The owner can then populate a form and click submit to add the employee to the database.

4.8.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must enter the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have inaccurate records.

4.9 View Active and Inactive Employees Features

4.9.1 Description and Priority

These features allow Owners to view active and inactive employees records. This is also a fairly critical function because it gives management the tools necessary to visually inspect employee records.

4.9.2 Stimulus/Response Sequences

Once an owner logs in, they can navigate to either the view active or inactive employees pages by selecting "View Active Employees" or "View Inactive Employees" from the dropdown menu under "Manage Employees."

4.9.3 Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function.

4.10 Edit Employee Function

4.10.1 Description and Priority

This feature allows Owners to edit employee records. This is also a fairly critical function because it allows employees who were fired to be marked inactive rather than deleted.

4.10.2 Stimulus/Response Sequences

Once an owner logs in, they can navigate to the edit employee page by selecting either "View Active Employees" or "View Inactive Employees" from the dropdown menu under "Manage Employees." After the user arrives at either of these pages they can click the pencil icon to the left of the record they want to edit, and then alter the information in the pre-populated form. Once the user is satisfied with their alterations they can click submit to update the record in the database.

4.10.3 Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must enter the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have inaccurate records.

4.11 Delete Employee Function

4.11.1   Description and Priority

This feature allows Owners to delete employee records. This feature is not a top priority, since former employees are meant to be marked inactive rather than deleted. This function simply gives the owner the option of removing any records he deems unnecessary.

4.11.2   Stimulus/Response Sequences

Once an owner logs in, they can navigate to either the view active or inactive employees pages by selecting "View Active Employees" or "View Inactive Employees" from the dropdown menu under "Manage Employees." From there they can click the trashcan icon, to the left of the record they would like to remove, and then click submit to confirm the deletion.

4.11.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must submit the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause a permanent deletion of incorrect information.

4.12 Add Job Function

4.12.1   Description and Priority

This feature allows Owners to add Jobs to the database. This feature is critical since the addition of new jobs is necessary for the website to scale with the company.

4.12.2   Stimulus/Response Sequences

Once an owner logs in, they can navigate to the add job form by selecting "Add a New Job" from the dropdown menu under "Jobs." From there they can populate the form and click submit to insert the information into the database.

4.12.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must submit the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have incorrect records.

4.13 Edit Job Function

4.13.1 Description and Priority

This feature allows Owners to edit job records in the database. This is also a fairly critical function because it allows the owner to mark completed jobs as inactive rather than delete them.

4.13.2 Stimulus/Response Sequences

Once an owner logs in, they can navigate to the edit job page by selecting either "View Active Jobs" or "View Inactive Jobs" from the dropdown menu under "Jobs." After the user arrives on either of these pages, they can click the pencil icon to the left of the record they want to edit and then edit the information in the pre-populated form. Once the user is satisfied with their alterations they can click submit to update the record in the database.

4.13.3 Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level
REQ-6:   The user must enter the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have inaccurate records.

4.14 Delete Job Function

4.14.1 Description and Priority

This feature allows Owners to delete the record of a job. This feature is not that important, since completed Jobs are meant to be marked inactive, but it does give the owner the option of removing any records he deems unnecessary.

4.14.2 Stimulus/Response Sequences

Once an owner logs in, they can navigate to the edit job page by selecting either "View Active Jobs" or "View Inactive Jobs" from the dropdown menu under "Jobs." From there they can click the trashcan icon, to the left of the record they would like to remove, and then click submit to confirm the deletion.

4.14.3 Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must submit the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause a deletion of incorrect information.

4.15 View Active and Inactive Jobs Features

4.15.1   Description and Priority

These features allow Owners to view active and inactive Jobs in the database. This is also a fairly high priority feature because it gives management the tools necessary to visually inspect the records of each job, and provides an easy way to select records to edit, delete, or view a report on.

4.15.2   Stimulus/Response Sequences

Once an owner logs in, they can navigate to either the view active or inactive jobs pages by selecting "View Active Jobs" or "View Inactive Jobs" from the dropdown menu under "Jobs."

4.15.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level

Failure to meet the requirements for this feature will cause the user to be unable to make use of it.

4.16 Add Customer Function

4.16.1   Description and Priority

This feature allows Owners to add Customers to the database. This feature is critical since the addition of new Customers is necessary for the website to scale with the company.

4.16.2   Stimulus/Response Sequences

Once an Owner logs in, they can navigate to the add customer form by selecting "New Customer" from the dropdown menu under "Customers." From there they can populate the form and click submit to insert the information into the database.

4.16.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must submit the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have incorrect records.

4.17 Edit Customer Function

4.17.1   Description and Priority

This feature allows Owners to edit customer records. This is also a fairly critical function because it allows the owner to update customer information, if the need should arise.

4.17.2   Stimulus/Response Sequences

Once an owner logs in, they can navigate to the edit customer page by selecting "Customer info" from the dropdown menu under "Customers." After the user arrives on this page, they can click the icon to the left of the record they want to edit and then edit the information in the pre-populated form. Once the user is satisfied with their alterations they can click submit to update the record in the database.

4.17.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level
REQ-6:   The user must enter the correct information.

Failure to meet the first five requirements for this feature will cause the user to become unable to make use of the function. Failure to meet the sixth requirement will cause the company to have inaccurate records.

4.18 View Customers Feature

4.18.1   Description and Priority

This feature allows Owners to view their customer records. This is a fairly critical function because it allows the owner to visually inspect customer records, and provides a simple means to select records to edit.

4.18.2   Stimulus/Response Sequences

Once an owner logs in, they can navigate to the view customer page by selecting "Customer info" from the dropdown menu under "Customers."

4.18.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level

Failure to meet the requirements for this feature will cause the user to become unable to make use of the function.

4.19 Job Report Feature

4.19.1 Description and Priority

This feature allows Owners, Secretaries, and Accountants to view a PDF report for a selected job. This is a fairly critical function because it allows appropriate users to monitor the costs associated with a particular job.

4.19.2 Stimulus/Response Sequences

Once the user logs in, they can navigate to the job report by selecting either "Active Jobs" or "Inactive Jobs" from the dropdown menu under "Reports." From there the user can select their desired job and click submit to view the report. Alternatively, owners can also select the PDF icon on the jobs table to make use of this report.

4.19.3 Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must have a way to open the PDF.

Failure to meet the requirements for this feature will cause the user to become unable to make use of the function.

4.20 Suppliers Report Feature

4.20.1 Description and Priority

This feature allows Owners, Secretaries, and Accountants to view a PDF report showing the amount owed to suppliers for a given month. This is a fairly critical function because it allows management to maintain an idea of how much they will need to pay suppliers at the end of each month.

4.20.2 Stimulus/Response Sequences

Once the user logs in, they can navigate to the suppliers report by selecting "Supplies Report" from the dropdown menu under "Reports." From there the user can select the desired report month and click submit to view the report.

4.20.3 Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must have a way to open the PDF.

Failure to meet the requirements for this feature will cause the user to become unable to make use of the function.

4.21 Payroll Report Feature

4.21.1 Description and Priority

This feature allows Owners, Secretaries, and Accountants to view a PDF report showing the amount owed to employees for a given week. This is a fairly critical function because it allows management to maintain an idea of how much they will need to pay their employees.

4.21.2 Stimulus/Response Sequences

Once the user logs in, they can navigate to the payroll report by selecting "Payroll Report" from the dropdown menu under "Reports." From there the user can select the desired report week from the date picker and click submit to view the report.

4.21.3 Functional Requirements:

REQ-1: The user must have a functioning browser.
REQ-2: The user's browser must allow cookies.
REQ-3: The user must be connected to the internet.
REQ-4: The user must be logged in.
REQ-5: The user must have an appropriate access level.
REQ-6: The user must have a way to open the PDF.

Failure to meet the requirements for this feature will cause the user to become unable to make use of the function.

4.22 Monthly Report Feature

4.22.1 Description and Priority

This feature allows Owners, Secretaries, and Accountants to view a PDF report showing the total expenditures for each job in a given month. This is a fairly critical function because it allows management to maintain an idea of how much they're spending each month.

4.22.2 Stimulus/Response Sequences

Once the user logs in, they can navigate to the monthly report by selecting "Monthly Report" from the dropdown menu under "Reports." From there the user can select the desired report month and click submit to view the report.

4.22.3 Functional Requirements:

REQ-1: The user must have a functioning browser.
REQ-2: The user's browser must allow cookies.
REQ-3: The user must be connected to the internet.
REQ-4: The user must be logged in.
REQ-5: The user must have an appropriate access level.
REQ-6: The user must have a way to open the PDF.

Failure to meet the requirements for this feature will cause the user to become unable to make use of the function.

4.23 Yearly Report

4.23.1   Description and Priority

This feature allows Owners, Secretaries, and Accountants to view a PDF report showing the total expenditures for each job in a given year. This is a fairly critical function because it allows management to maintain an idea of how much they're spending in a year.

4.23.2   Stimulus/Response Sequences

Once the user logs in, they can navigate to the yearly report by selecting "Yearly Report" from the dropdown menu under "Reports." From there the user can select the desired report year and click submit to view the report.

4.23.3   Functional Requirements:

REQ-1:   The user must have a functioning browser.
REQ-2:   The user's browser must allow cookies.
REQ-3:   The user must be connected to the internet.
REQ-4:   The user must be logged in.
REQ-5:   The user must have an appropriate access level.
REQ-6:   The user must have a way to open the PDF.

Failure to meet the requirements for this feature will cause the user to become unable to make use of the function.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

All actions on the website should be prompt, and the user should experience no significant wait times. If a process takes more than 5 seconds to complete, there should be some kind of loading screen or icon to let the user know that the system is processing their request.

5.2 Safety Requirements

All SQL operations must be designed to prevent SQL injections. Failure to do so could result in the loss or theft of sensitive information. All pages designed for privileged users must also require the user to be logged in. Failure to meet this requirement would allow unauthorized people to access pages designed for company employees.

5.3 Security Requirements

The site should make use of SSL to encrypt communications between the server and the browser. As stated earlier, the site will also make use of a login feature and user rights management for security purposes.

5.4 Software Quality Attributes

The software should be flexible, and adaptable. It should be able to run flawlessly on any browser, mobile or otherwise. It should also be able to be easily modified, if the need should ever arise.

5.5 Business Rules

Please see section 2.3 for information on user rights management.

6. Other Requirements

In order to make use of the website's reporting features, the end user is required to possess software which is capable of opening PDFs. We recommend that users at least install the free [Adobe Acrobat Reader](), or a PDF handling browser extension.