

Software Requirements Specification

The following software requirements specification document consists of analysed information regarding the client, Mr [REDACTED], and his current system.

[REDACTED]
Garden Man'
Quoting System



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1.0 Introduction

The following section introduce the software requirements specifications. It provides the purpose of the new system as well as the user classes and characteristics of the client's business.

1.1 Purpose

The system will be designed for [REDACTED], owner of [REDACTED], who wants to upgrade his current quoting system. The Quoting System is an information system that will record and store information regarding clients, jobs, quotes and invoices. Unlike the previous system, the new system will include a [REDACTED] aid in determining the recommended service charges by providing an estimation [REDACTED]. Additionally, organization tools such as a search feature and sort function will be implemented to improve efficiency and reduce time in locating client documents and invoices.

1.2 User Characteristics

There are two main groups of users who will utilize the system. The first group will be the company's owner, [REDACTED]. They will be using a number of the functions within the system if not all such as adding quotes, calculating charges, searching and sorting quotes. They have very little computer skills and often require the assistance of another to use certain programs.

The second group consists of the laborers and handymen/handywomen. [REDACTED] add and check quotes. Their experience with computing will range depending on their education; however most will have a basic set of computer skills.

2.0 Scope

The following section introduces the scope of the new system. It provides information regarding the operating environment and the boundaries of the system.

2.1 Items within Scope

The program upon completion will be capable of recording and writing client and job details into a text file or database. In addition, the program will also be capable of calculating a service charge based on parameters set by the user. The program will not provide an exact service charge, only a recommendation based on the input data.

2.2 Operating Environment

The program will operate on

Use of the program will occur sporadically, however it will primary be used in the client's office and at their clients' homes or businesses.

3.0 Functional Requirements

The following section contains the functional requirements of the new system. Notes regarding validation and additional actions required are listed as well.

No	Requirement	Notes
FR01	Service Charge Calculation	<p>The system shall assist in calculating charges by providing an estimation based on inputted data. Errors should appear when fields are empty or an incorrect data type. Additionally, I may need to import the System Regex to validate the data types.</p> <p>The calculation algorithm may appear like this</p> <ul style="list-style-type: none">• $\text{Charge} = (\text{Rate} * \text{Time/Area}) + \text{Material costs}$
FR02	File Writing	<p>The system shall allow for the recording of client and job details into either a database or a text file. [REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
FR03	File Searching/Filtering	<p>The system will allow for users to search and filter for specific clients or jobs based on their input into the search bar. [REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
FR04	File Sorting	<p>The system will allow for users to sort jobs and clients based on set criteria such as date and alpha-numerically. [REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
FR05	Job Status Update	<p>The system will allow for users to update the status of ongoing jobs to [REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>

4.0 Non-Functional Requirements

The following section contains the non-functional requirements of the new system. Notes regarding validation and additional actions required are listed as well.

No	Requirement	Notes
NFR01	Robustness Data Type Validation	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
NFR02	Robustness [REDACTED]	[REDACTED] [REDACTED] [REDACTED].
NFR03	Portability Platform Installation Compatibility	The system will need to be easy to install on the specified platforms and compatible with said platform. [REDACTED] [REDACTED] [REDACTED]
NFR04	Portability [REDACTED]	[REDACTED] [REDACTED] [REDACTED]
NFR05	Reliability [REDACTED]	[REDACTED] [REDACTED]
NFR06	Usability [REDACTED]	[REDACTED] [REDACTED] Fonts will need to be tested to ensure the best one is used.
NFR07	Usability [REDACTED]	Employees should be able to pick up the program [REDACTED] [REDACTED]

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5.0 Constraints

Technical

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Economic

- [REDACTED]
- [REDACTED]

Legal

- [REDACTED]
- [REDACTED]

Social

- [REDACTED]
- [REDACTED]

Useability

- [REDACTED]
- [REDACTED]

Appendix

Data Collection

COLLECTION METHOD	JUSTIFICATION
OBSERVATIONS Observe the client when quoting a client	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
SURVEYS [REDACTED] [REDACTED]	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
QUESTIONNAIRES [REDACTED] [REDACTED]	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
DOCUMENT REVIEW [REDACTED]	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
INTERVIEW [REDACTED] [REDACTED]	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

FOCUS GROUPS

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

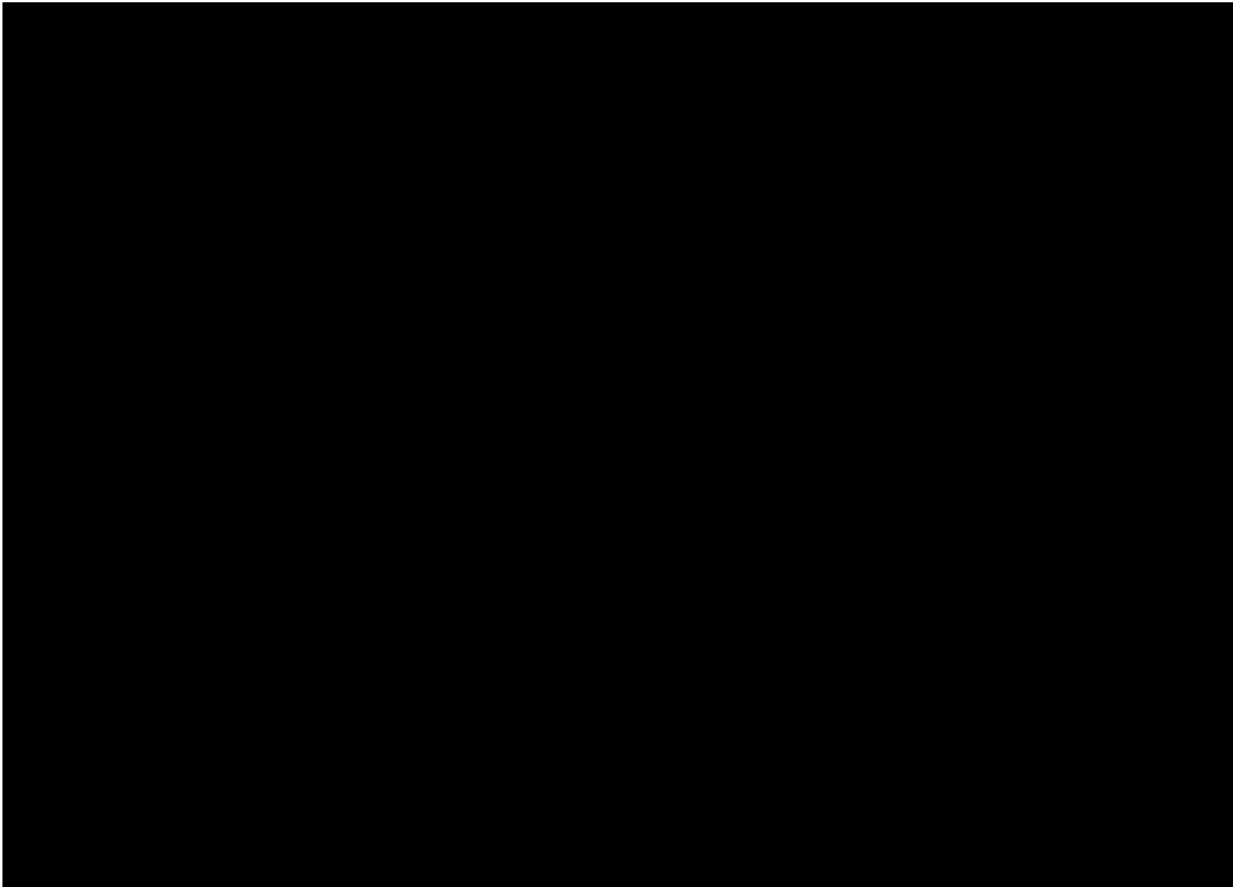
[REDACTED]

[REDACTED]

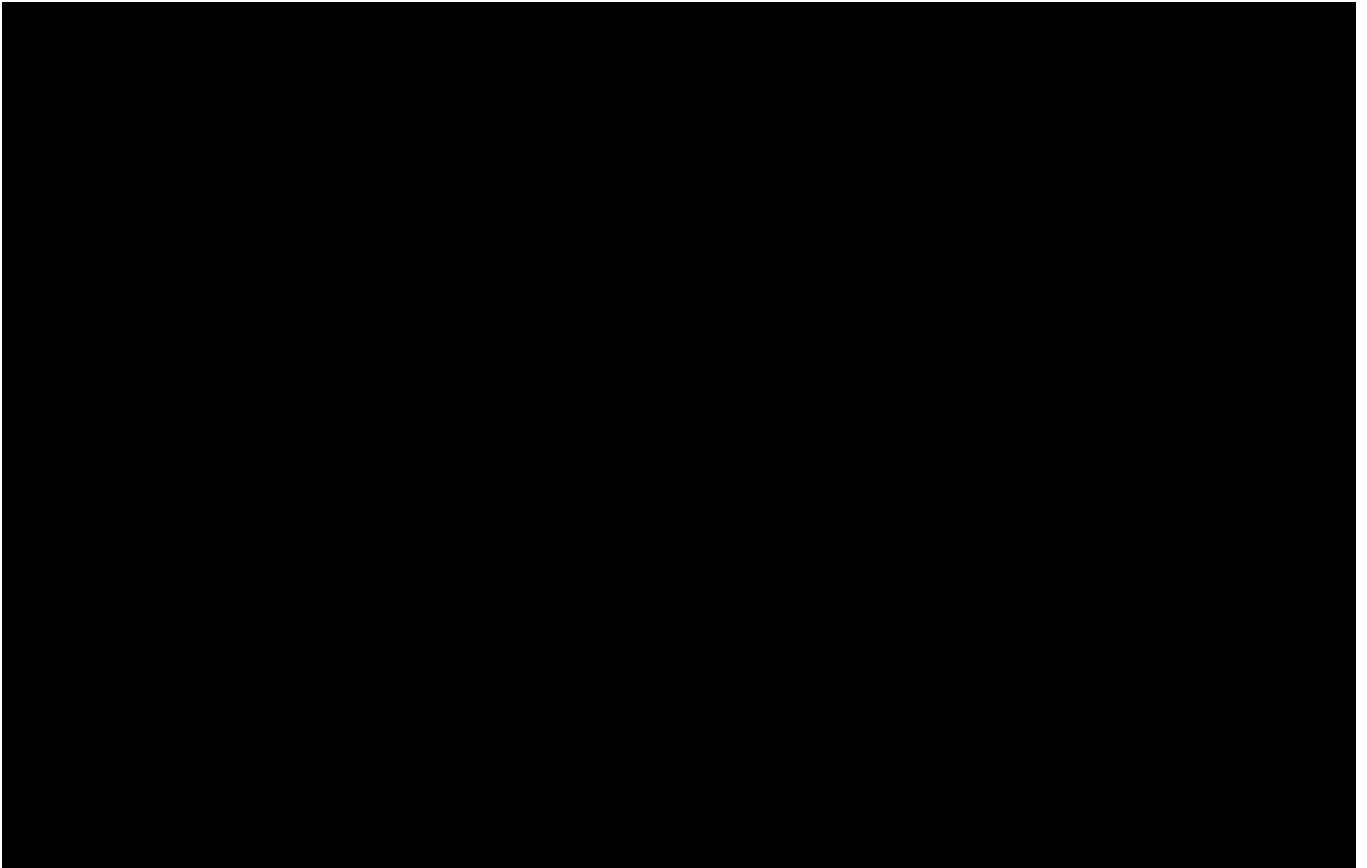
[REDACTED]

[REDACTED]

Context Diagram



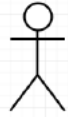
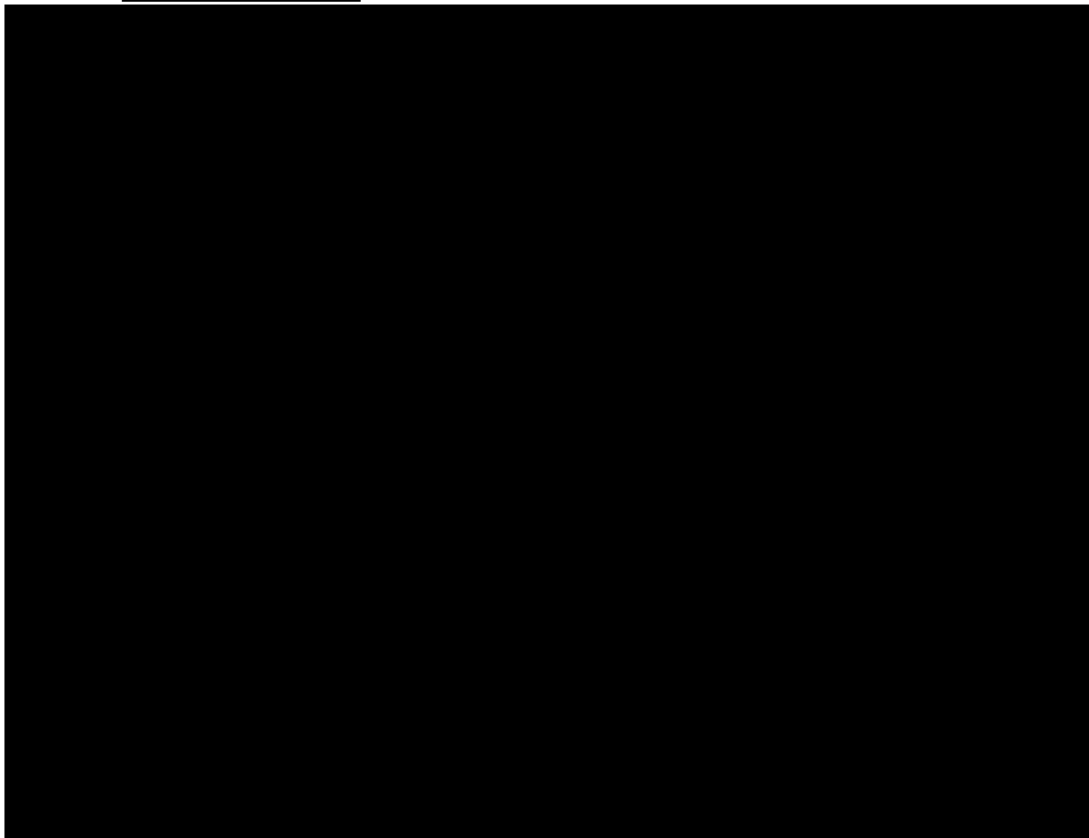
Data Flow Diagram



Use Case

No	Use Case	Notes
UC01	Call for Service	Client details are gathered as well as job details
UC02		
UC03	Create Material List	A material list is generated with all costs
UC04		

Use



Handyman