Software Requirements Specification

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2. Introduction

2.1 Purpose and user characteristics

This software solution is intended for use by XX XX,
This process involves looking up specifications, converting them, and then applying them in equations. The XX (referred to in this document as the "software" or "solution") is an information system that will make each step of the The software will store a large repository of editable and updatable Unlike the current manual system
of searching the internet and attempting to will automate calculations and provide only the data relevant to the issues at hand.
Users of the software will be split into immediate users (members of XX XX), and extended users the software from XX XX). Immediate users are guaranteed to have a high level of computer skills and will be in constant contact with the developer of the solution, who will be acting as technical support. advantage of all functional requirements, Extended users are also likely to have a high level of technical competency,
They will not necessarily utilize every function of the system, however, some parts of the application will be customizable to their needs. These two groups will again be split into two sub-groups,
3. Scope 3.1 Items within scope
The scope of the software solution includes three tasks – storing component specifications, converting measurements,
Firstly, data on the technical specifications of components commonly used in XX will need to be
components will include the specifications detailed in table 2.1.1 below. Additionally, users require the ability to add new components to the database,

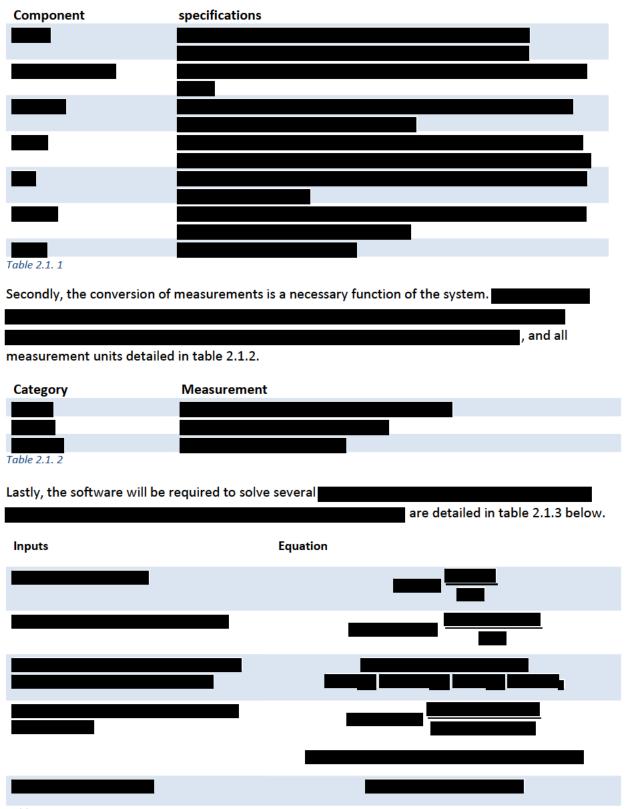


Table 2.1. 3

3.2 Items outside the scope

Several functions and features will not be available within the first release of the software due to
time constraints.
3.3 Operating environment
The software will largely exist and be used within in a
The software will be
running on either a stationary PC or laptop, running Windows 8 or 10. input method will be with a physical mouse and keyboard, allowing for smaller UI elements that would otherwise be difficult to select.
Occasionally, the software will be operated in a
In this case, the software will be used less
frequently,
Additionally, the software will sometimes be utilized from off campus, within a similar environment.
3.4 Application Architecture
This software solution does not require any connections to other devices over the internet or locally, making a rich client architecture ideal. Rich client applications
, thus improving efficiency by saving the client time and money.

4. Functional requirements

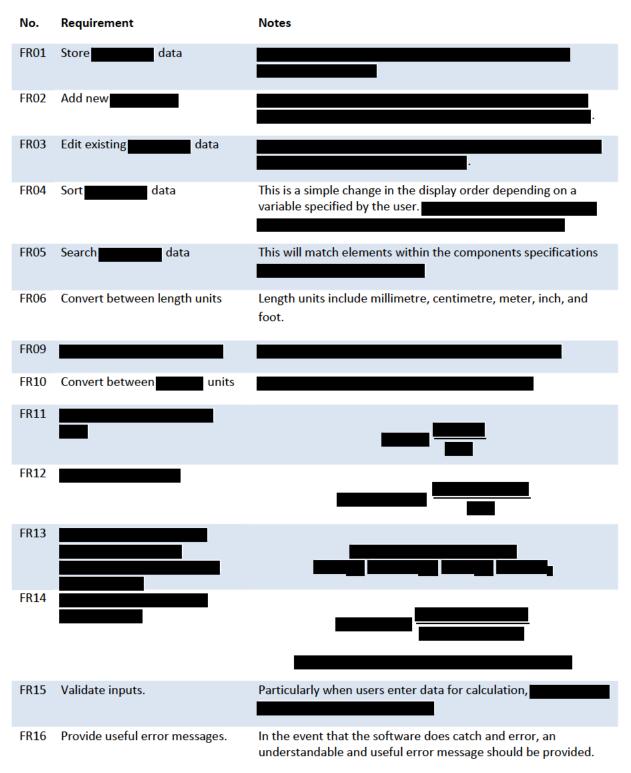


Table 3. 1

5. Non-functional requirements

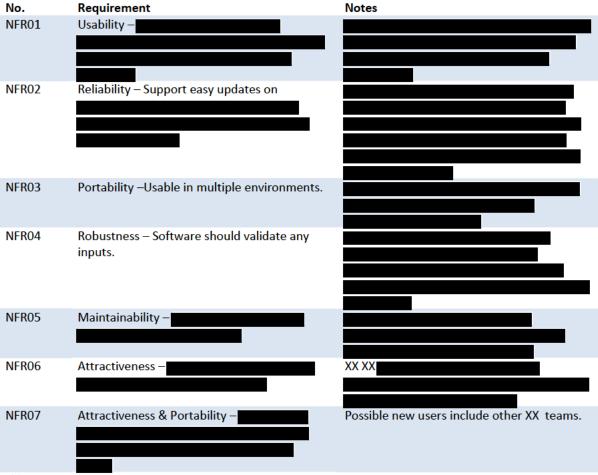


Table 4. 1

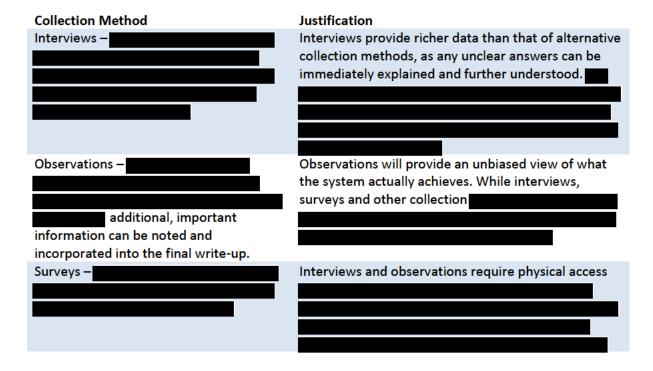
6. Constraints

Time – The largest constraint on the production of this project						
Technical – In order to fulfil the expected portability requirements as defined in						
Technical – Due to limited storage space						
Money -						

Social –	

7. Appendix

7.1 Data collection



7.2 Context diagram of current, manual system

Examples Removed

7.3 Data flow diagram of current, manual system

Examples removed

7.4 Use case diagram of current, manual system

Examples removed