

# Software Requirements Specification for ProgName: subtitle describing software

Team #, Team Name

Student 1 name

Student 2 name

Student 3 name

Student 4 name

October 4, 2024

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## Revision History

Date	Version	Notes
Date 1	1.0	Notes
Date 2	1.1	Notes

# **1 Purpose of the Project**

## **1.1 User Business**

*Insert your content here.*

## **1.2 Goals of the Project**

*Insert your content here.*

# **2 Stakeholders**

## **2.1 Client**

*Insert your content here.*

## **2.2 Customer**

*Insert your content here.*

## **2.3 Other Stakeholders**

*Insert your content here.*

## **2.4 Hands-On Users of the Project**

*Insert your content here.*

## **2.5 Personas**

*Insert your content here.*

## **2.6 Priorities Assigned to Users**

*Insert your content here.*

## **2.7 User Participation**

*Insert your content here.*

## **2.8 Maintenance Users and Service Technicians**

*Insert your content here.*

# **3 Mandated Constraints**

## **3.1 Solution Constraints**

C-SOL1. System must be cloud-based to fit in with current existing systems at the City of Hamilton.

## **3.2 Implementation Environment of the Current System**

To understand the current practices at the City of Hamilton see the *Problem* section of the Problem Statement and Goals [here](#).

## **3.3 Partner or Collaborative Applications**

N/A

## **3.4 Off-the-Shelf Software**

C-OTS1. The system must integrate with Sharepoint to synchronize documents in Sharepoint with documents in the system.

C-OTS2. The system must integrate with Infor EAM, to show the status of work orders associated with a document.

C-OTS3. The system must integrate with MySDS to show relevant relevant SDS documents to users on a given site.



### **3.5 Anticipated Workplace Environment**

### **3.6 Schedule Constraints**

C-SCH1. A requirement [Link requirement number here in future] is to integrate with the Infor work order management system the city intends on using however, this system will not be available until February 2025, so no testing can be done on this system until then.

C-SCH2. The project deadline is April 2, 2025.

### **3.7 Budget Constraints**

C-BDG1. Total expenses up until April 2, 2025 must not exceed \$750.

### **3.8 Enterprise Constraints**

N/A

## **4 Naming Conventions and Terminology**

### **4.1 Glossary of All Terms, Including Acronyms, Used by Stakeholders involved in the Project**

*Insert your content here.*

## **5 Relevant Facts And Assumptions**

### **5.1 Relevant Facts**

*Insert your content here.*

### **5.2 Business Rules**

*Insert your content here.*

### **5.3 Assumptions**

*Insert your content here.*

## **6 The Scope of the Work**

### **6.1 The Current Situation**

*Insert your content here.*

### **6.2 The Context of the Work**

*Insert your content here.*

### **6.3 Work Partitioning**

*Insert your content here.*

### **6.4 Specifying a Business Use Case (BUC)**

*Insert your content here.*

## **7 Business Data Model and Data Dictionary**

### **7.1 Business Data Model**

*Insert your content here.*

### **7.2 Data Dictionary**

*Insert your content here.*

## **8 The Scope of the Product**

### **8.1 Product Boundary**

*Insert your content here.*

## **8.2 Product Use Case Table**

*Insert your content here.*

## **8.3 Individual Product Use Cases (PUC's)**

*Insert your content here.*

# **9 Functional Requirements**

## **9.1 Functional Requirements**

*Insert your content here.*

# **10 Look and Feel Requirements**

## **10.1 Appearance Requirements**

*Insert your content here.*

## **10.2 Style Requirements**

*Insert your content here.*

# **11 Usability and Humanity Requirements**

## **11.1 Ease of Use Requirements**

*Insert your content here.*

## **11.2 Personalization and Internationalization Requirements**

*Insert your content here.*

### **11.3 Learning Requirements**

*Insert your content here.*

### **11.4 Understandability and Politeness Requirements**

*Insert your content here.*

### **11.5 Accessibility Requirements**

*Insert your content here.*

## **12 Performance Requirements**

### **12.1 Speed and Latency Requirements**

*Insert your content here.*

### **12.2 Safety-Critical Requirements**

*Insert your content here.*

### **12.3 Precision or Accuracy Requirements**

*Insert your content here.*

### **12.4 Robustness or Fault-Tolerance Requirements**

*Insert your content here.*

### **12.5 Capacity Requirements**

*Insert your content here.*

### **12.6 Scalability or Extensibility Requirements**

*Insert your content here.*

## **12.7 Longevity Requirements**

*Insert your content here.*

## **13 Operational and Environmental Requirements**

### **13.1 Expected Physical Environment**

*Insert your content here.*

### **13.2 Wider Environment Requirements**

*Insert your content here.*

### **13.3 Requirements for Interfacing with Adjacent Systems**

*Insert your content here.*

### **13.4 Productization Requirements**

*Insert your content here.*

### **13.5 Release Requirements**

*Insert your content here.*

## **14 Maintainability and Support Requirements**

### **14.1 Maintenance Requirements**

*Insert your content here.*

### **14.2 Supportability Requirements**

*Insert your content here.*

### **14.3 Adaptability Requirements**

*Insert your content here.*

## **15 Security Requirements**

### **15.1 Access Requirements**

*Insert your content here.*

### **15.2 Integrity Requirements**

*Insert your content here.*

### **15.3 Privacy Requirements**

*Insert your content here.*

### **15.4 Audit Requirements**

*Insert your content here.*

### **15.5 Immunity Requirements**

*Insert your content here.*

## **16 Cultural Requirements**

### **16.1 Cultural Requirements**

*Insert your content here.*

## **17 Compliance Requirements**

### **17.1 Legal Requirements**

*Insert your content here.*

## **17.2 Standards Compliance Requirements**

*Insert your content here.*

## **18 Open Issues**

*Insert your content here.*

## **19 Off-the-Shelf Solutions**

### **19.1 Ready-Made Products**

*Insert your content here.*

### **19.2 Reusable Components**

*Insert your content here.*

### **19.3 Products That Can Be Copied**

*Insert your content here.*

## **20 New Problems**

### **20.1 Effects on the Current Environment**

*Insert your content here.*

### **20.2 Effects on the Installed Systems**

*Insert your content here.*

### **20.3 Potential User Problems**

*Insert your content here.*

## **20.4 Limitations in the Anticipated Implementation Environment That May Inhibit the New Product**

*Insert your content here.*

## **20.5 Follow-Up Problems**

*Insert your content here.*

# **21 Tasks**

## **21.1 Project Planning**

*Insert your content here.*

## **21.2 Planning of the Development Phases**

*Insert your content here.*

# **22 Migration to the New Product**

## **22.1 Requirements for Migration to the New Product**

*Insert your content here.*

## **22.2 Data That Has to be Modified or Translated for the New System**

*Insert your content here.*

# **23 Costs**

*Insert your content here.*



## **24 User Documentation and Training**

### **24.1 User Documentation Requirements**

*Insert your content here.*

### **24.2 Training Requirements**

*Insert your content here.*

## **25 Waiting Room**

*Insert your content here.*

## **26 Ideas for Solution**

*Insert your content here.*

## Appendix — Reflection

The information in this section will be used to evaluate the team members on the graduate attribute of Lifelong Learning. Please answer the following questions:

1. What knowledge and skills will the team collectively need to acquire to successfully complete this capstone project? Examples of possible knowledge to acquire include domain specific knowledge from the domain of your application, or software engineering knowledge, mechatronics knowledge or computer science knowledge. Skills may be related to technology, or writing, or presentation, or team management, etc. You should look to identify at least one item for each team member.
2. For each of the knowledge areas and skills identified in the previous question, what are at least two approaches to acquiring the knowledge or mastering the skill? Of the identified approaches, which will each team member pursue, and why did they make this choice?