Lamplighters inventory management

Initial Requirements Version 0.1

April 27, 2025

# Requirements

## Project Background and Description

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| --- | --- |
|  | **Target Release:**  **Epic:** Core Functionality  **Status:** Draft  **Document Owner:** Sarah Harlan  **Designer:** Sarah Harlan  **Tech Lead:** Sarah Harlan |

## Project Scope

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| --- | --- |
|  | The Lamplighters Inventory Management System is a fully incorporated system with a centralized database for data storage including inventory, member details and sales. A user front end web site that will allow event signups, new member request, email distribution and display current news about Olympia Lamp Lighters alone with an administration backend that will allow updates to the database, post new events on the site and future proofing for social media updates. |

## High-Level Requirements

Lamplighters Inventory Management System (LIMS) will include the following

* A login system that stores employee information.
* An interface to add members.
* An interface to sign up for events.
* An interface to add members to an email distribution list.
* A backend database system to store information.
* An interface that tracks upcoming events.

## Entities

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| --- | --- |
|  | Entities include all affected stakeholders, systems and services. |

LIMS will affect the following entities

* LIMS – Also known as the system. This entity encompasses the entirety of the front-end system being implemented.
* LIMS Backend – The API layer that manages the data for Lamplighters.
* System Admin – The administrator who is responsible for Lamplighters functionality.
* User – The users that will consume the Lamplighters service.

## Success Metrics

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|  | Success metrics is a section devoted to describing how the current iteration of the project will be deemed successful. As this is a living document all metrics are subject to change but will be retained for documentation purposes. |

The following metrics can be used to judge the project’s success.

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| --- | --- |
| Goal | Metric |
| Users can reserve a slot for an event |  |
| Users can sign up for e-mail distribution lists |  |
| Admin can set up future events and modify existing ones |  |
| Admin dashboard that CRUDS Backend |  |
| Correct access control and security |  |
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## Considerations

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|  | This is a section documenting the considerations and requests by entities for inclusion in the project. As this is a living document all considerations will be documented as they are added to the project and completed. |

The following requirements were considered of importance for the project.

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| --- | --- | --- |
| Requirement | User Story | Status |
| User can sign up for events | Jane wants to reserve a spot in an event through the website |  |
| User can be added to distribution list | Jane wants to be added to an e-mail distribution list so she knows about future events. |  |
| User can view upcoming event details | Jane wants to be able to see the current month of events so she can choose which ones she is interested in. |  |
| Admins can create new events | Lucy is planning a new event and want to add it to the web site so people can reserve their spot. |  |
| Admins can have access to pdf files needed to run the business | Lucy needs an online form for the client. Lucy also wants to have access to any legal contracts. |  |
| Users can contact business via online form | Jane wants to contact Lucy about a question she has about her membership. |  |
| Backend tracks all necessary data | Lucy needs to have all contacts, sales and events organized in a centralize place so she can focus on her business. |  |
| Users can provide contact information that is transmitted to the backend from the frontend | Jane wants to sell a piece of art at the store so she registers as a member through the website and the system saves that information. |  |
| Admins can edit current e-mail distribution lists. | Lucy needs to update who is notified on certain events. |  |
| Admins need access to monthly sales reports. | Lucy needs to know which artist sold what item for the current month to pay them. |  |
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## Specific Exclusions from Project Scope

The following functionality is planned for LIMS but is currently outside of the scope of the project:

* Point of Sales tracking and barcoding inventory.

## Dependencies and Technologies

The following technologies and dependencies are required:

* Angular
* MySQL
* NodeJS
* A Cloud Provider
* A Domain Name
* A SSL Certificate
* Git for version control

## Assumptions

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|  | This section of the document will outline the assumptions made by the design team, including but not limited to: user assumptions, technical constraints, project goals, and sources of information. |

LIMS is designed under the following assumptions:

## Designs and Diagrams

In Progress