Descriptive Feature Title

# Engineering Specification

|  |  |
| --- | --- |
| Status | DRAFT | SIGNED OFF |
| Version | 1 |
| Authored by | <alias>, <alias> |
| Reviewed by | <alias>, <alias> |
| Signed-off by | <alias>, <alias> |
| Related Specs | <Link to Feature Specification>, <Link> |
| Backlog items | <Link to Backlog item> |
| Created at | <Date> |
| Updated at | <Date> |
| Signed-off at | <Date> |

# Purpose

[the purpose for this document]

## Goals

## Non-Goals

# Definitions

[key terms and concepts definition and links to resources]

|  |  |
| --- | --- |
| **Term, [synonym], …** | Definition |

# Prerequisites and Dependencies

[define all prerequisite or dependency, can use link to the backlog items to simplify the content]

|  |  |
| --- | --- |
| **Dependency short name** | Description and links |

# Requirements (optional)

|  |  |  |
| --- | --- | --- |
| Name | Description | Priority |
| Short requirement name | Functional requirements from system perspective  [optional precondition] [optional trigger event] the system shall [expected system response].  If the requested chemical is found in the chemical stockroom, the system shall display a list of all containers of the chemical that are currently in the stockroom. | P1 |

## Short Requirement Name

[Detailed requirement description and notes]

# Architecture and Logical Data/Control Flow Diagrams

[optional architecture diagram and flow goes here]

## User scenarios

# Engineering Deliverables

[Specify what are expected to deliver: the list of artifacts, e.g. a checked-in codes, build scripts, a demo, a doc, a README, a working deployed site/service, architecture diagram, built package, CLI/API/SDK….]

[How to measure also goes here]

# Open Issues

[list known challenge/risk or challenge/risk to confirm.]

Document History

|  |  |  |
| --- | --- | --- |
| Date | Author | Notes |
| 9/21/2020 | zhshang | Initial version |
| Date | <alias> | Describe in bullet form what the key changes were to keep track of evolution of decisions |