**

## I.O. System

# QUALITY MANAGEMENT PLAN

### Version <1.0>

### 5/24/2023

# Document Control

## Document Information

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## Document Approvals

|  |  |  |  |
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# QUALITY STANDARDS

The team will check if their web site adheres to the Web Content Accessibility Guidelines (WCAG) 2.1. This is to ensure that the website is easily accessible to all devices and people with disabilities. For security standards the team will adhere to the standards set by ISO 27001 for information security. The team will also have to adhere to the different laws regarding privacy such as the EU General Data Protection Regulation (GDPR) or the Data Privacy Act of 2012.

The methodology that the team will use is the Agile Methodology. It is during a Sprint Review when the team will check if the project meets the quality standards and what they need to do during the next Sprint. Agile has metrics which differ from other methodologies. This is due to the iterative nature of Agile.

# QUALITY OBJECTIVES

Agile

|  |  |
| --- | --- |
| **Metric or Specification** | **Measure** |
| *Burnout* | *Measurement of the completion of work\* over time in each sprint. The goal is to reach the forecasted work at the end of each sprint.*  *(\*Work is measured in either story points or hours.)* |
| *Velocity* | *Average amount of work\* completed in each sprint.* |
| *Workload distribution* | *Measurement of work\* assigned to each scrum team member for the current sprint.* |

Website

|  |  |
| --- | --- |
| **Metric or Specification** | **Measure** |
| *Code Coverage* | *Code covered by unit tests / All code \* 100%* |
| *Code quality* | *Measurement of "good" and "bad" quality code (Note: subjective)* |
| *Code review time* | *Time it takes to complete code reviews* |
| *Accessibility* | *Number of metrics that meet WCAG 2.1 /all metrics that apply\* 100%* |
| *Data Privacy* | *Number of metrics that meet Data Privacy Act of 2012 /all metrics that apply\* 100%* |

# QUALITY ROLES AND RESPONSIBILITIES

|  |  |
| --- | --- |
| **Roles** | **Responsibilities** |
| *Product Owner* | *Manages the scrum backlog, manages release of product, works with the stakeholders* |
| *Scrum Master* | *Facilitates the Scrum Processes and retrospectives at the end of each sprint* |
| *Developers* | *Comply with quality standards and participate in Daily Scrum.* |

# DELIVERABLEs AND PROCESSES SUBJECT TO QUALITY REVIEW

|  |  |
| --- | --- |
| **Deliverable or process that will be reviewed** | **Details of quality review** |
| *Burnout chart* | *Measures of the completion of work\* over time in each sprint. The goal is to reach the forecasted work at the end of each sprint.*  *(\*Work is measured in either story points or hours.)* |
| *Software access and permissions* | *HTTS to transmit and receive data.*  *TLS 1.2 encrypt.*  *API require OAuth 2.0* |
| *Website accessibility* | *Meet WCAG 2.0.* |
| *Data privacy* | *Meet Data privacy Act of 2012* |

# QUALITY CONTROL APPROACH

|  |  |  |  |
| --- | --- | --- | --- |
| **Quality control process** | **Milestones** | **Owner** | **Documentation** |
| *Sprint Review* | *Insert Sprints* | *Scrum Master, Project Owner* | *https://scrumguides.org/docs/*  *scrumguide/v2020/2020-Scrum-Guide-US.pdf* |
| *WACG 2.1 audit* | *Audit (Aug 2021)*  *Complete recommendations (Sept 2021)* | *Accessibility test team ACME Co.* | *https://www.w3.org*  */TR/WCAG21/* |

# Appendices

*Insert link to Sprint Burnout Chart*