

Title: 3-foundation

Background

Open source foundations provide support to open source communities. To provide effective guidance, a foundation needs to have an accurate understanding of the current health and sustainability of a community. By regularly checking metrics, the foundation can pro-actively respond to changing conditions and to early-indicators. Similarly, foundations can understand the health and sustainability of a community before agreeing to support it.

Description

The user (foundation) provides a URL to a GitHub repository for a community that she wants to provide with guidance. The software returns [metrics](#) that indicate the health and sustainability of the repository.

Triggers (What prompts the use case to start?)

1. A user (foundation) seeks to understand the current health and sustainability of a repository to devise actionable advice and guidance.
2. A manager seeks to understand the current health and sustainability of their projects to proactively responded to issues.

Actors (Who is involved?)

1. Manager
2. Open Source Foundation

Preconditions (This includes things like “data loaded”. Or, project is flagged as “of interest”; etc.)

1. User provides URL to a GitHub repository

Main Success Scenario

1. All metrics that can be computed from the provided repository are displayed.

Alternate Success Scenarios

1. N/A

Failed End Condition

1. The provided URL points to a non-existent GitHub repository, metrics cannot be calculated, and an error message explaining the condition is shown to user.
2. The GitHub repository does not have enough contributions to calculate metrics
3. The user does not have permissions to view that repository

Extensions

1. Compare metrics between repositories.

Steps of Execution (Requirements)

1. The use enters and submits the URL to a GitHub repository.
2. Metrics computed from the provided repository are displayed.

Dependent Use Cases

1. N/A

A use case diagram, following the UML Standard for expressing use cases.

