

Title: 2-org-engaged

Background

Organizations that engage with open source communities or use open source software want to evaluate the value and long-term sustainability of this engagement. Depending on the context, organizations may want to assess the engagement level of its employees in the community, identify early warn signals about deteriorating community health, or the emergence of risk factors over time.

Description

The user (employee) provides a URL to a GitHub repository for a community that they want to evaluate. The software returns [metrics](#) that indicate the health and sustainability of the repository.

Triggers (What prompts the use case to start?)

1. A user (employee) seeks to assess the value of engaging with an open source community and the long-term sustainability to justify continued engagement with the community.

Actors (Who is involved?)

1. Employee

2. Manager

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

1. GitHub repository exists and has enough data to compute metrics
2. User provides URL to a GitHub repository
3. If wanted, the user provides the name of an employee to see thier metrics specificaly

Main Success Scenario

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

Alternate Success Scenarios

1. Metrics are provided for a specific employee to show engagement level

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 data for metrics to be caluclated and so an error is displayed

Extensions

1. Compare metrics between repositories.

Steps of Execution (Requirements)

1. The user enters and submits the URL to a GitHub repository.
2. Metrics computed from the provided repository are displayed.
3. Metrics for the individual employee are displayed

Dependent Use Cases

1. N/A

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

