

Design Document

Authors: *Austin Corteville; Jacob Salka; Alex
Centorbi; Alec Glascock*

Instructor: *Professor Goggins*

Class: *Software Engineering*

Date: *4/22*

Link:

<http://ec2-3-19-75-211.us-east-2.compute.amazonaws.com/augur/augur/frontend/dist/>

GitHub: <https://github.com/ac25ville/SE-Final-Project-Group2>

API Endpoint - Labor Investment:

The goal of this is to be able to hit an Augur API endpoint and be able to pull Labor Investment information.

Description

Being able to run metrics on a GitHub repository is critical to a foundation or organization that may want to contribute to an open source project. The most important resource any organization, foundation or company has is its workers. It's incredibly important to be able to run metrics on the potential human investment that is required for a project as not only are employees the most important part of a foundation, organization or company, they are the most expensive, among many other things that come with being a person. The Labor investment metric that Augur provides allows companies to get an idea of what a repo might require, and whether or not they have the resources, or if it is worth the resources to invest their time and their employees' time into an open-source project.

Triggers

Hitting the endpoint through a script or by putting it in a URL.

Actors

Any user who wants to find out the labor requirements of a repo.

Preconditions

Augur API must be set up on a system that you have the ip or domain name for (<http://ec2-3-19-75-211.us-east-2.compute.amazonaws.com:5000/api/unstable>)

Main Success Scenario (Goals)

Returns information about Labor Investment that Augur has collected about a specific repo.

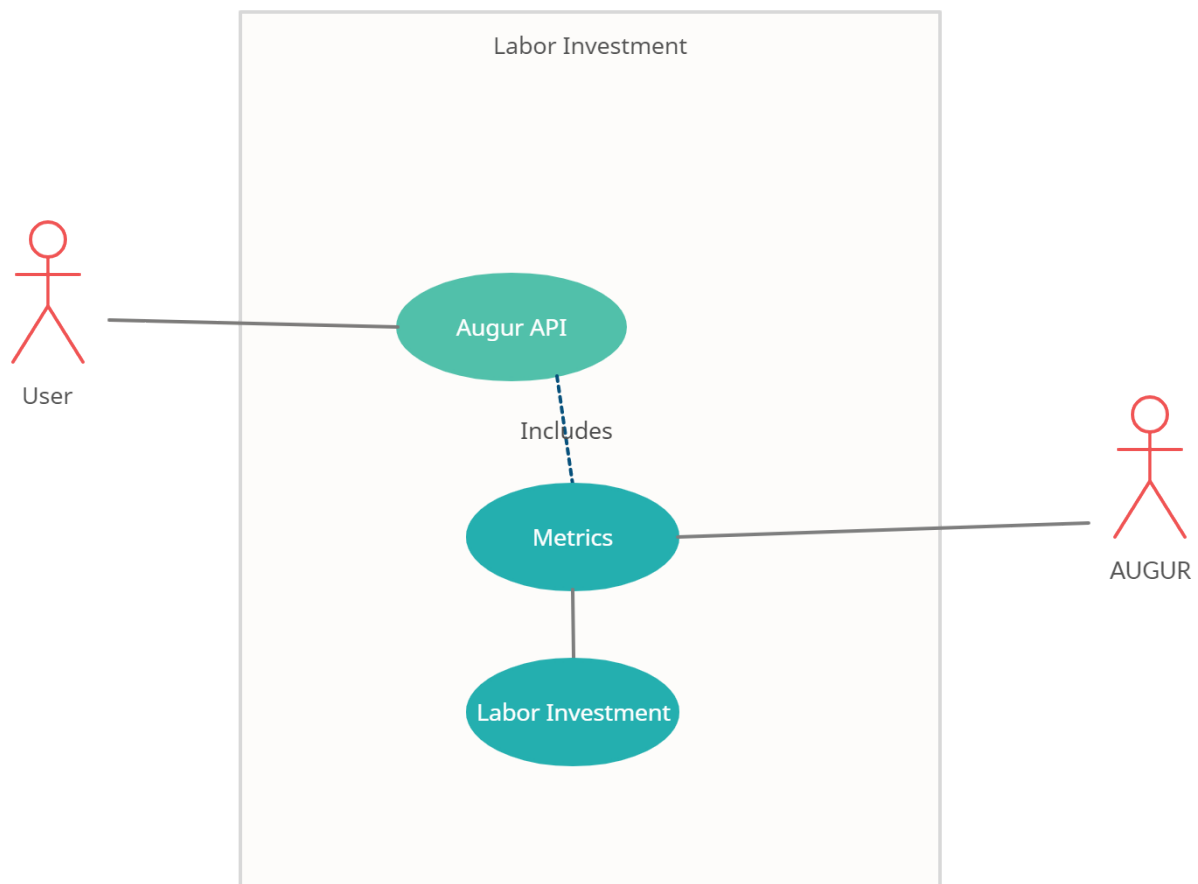
Alternate Success Scenarios

N/A

Failed End Condition

Returns nothing or an error message.

A use case diagram



Frontend - Labor Investment:

The goal is to have a simple UI where the user can view the labor investment information that has been retrieved.

Description

A clean and simple frontend is important when viewing data. The company/user needs to be able to clearly understand what the data means, and how it is affecting their company. Especially when it comes to labor, and whether or not an employee is a benefit to the company or a problem. This frontend will not be a part of Augur's frontend, but rather a simple HTML page that the user can access. The user will first be met with a page that will have a form of user authentication (OAuth). This is to make sure that they are supposed to be able to view the labor metrics. Once the user is logged in they will be able to choose the GitHub repository that they want to run the labor metrics on. After this the user will be able to clearly see the metric data such as how much code was written and how complex the code was.

Triggers

Loading the HTML frontend onto a user's system.

Actors

Company/user that wants to view the metric data.

Preconditions

Users must have an account or login information in order to view the data.

Users must also have access to the GitHub repository that will be used.

Main Success Scenario (Goals)

User is able to view the login page, page where the user selects the GitHub repository, and a page with the data or a failure message

Alternate Success Scenarios

N/A

Failed End Condition

Users are unable to login with correct login information.

Users are unable to properly select the GitHub repository they are wanting.

If the metrics failed to retrieve, but no failure message was given to the user.

If the metrics are retrieved successfully, but the frontend did not update to display them.

A use case diagram

