## **Augur Semester Project – Use Cases & Requirements**

**Group 6**

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## **Most Engaged Contributors on Issues**

## **Description**

Users can analyze which contributors are the most engaged in an open source project issues section. For this use case, *engagement is determined by total comments* per user.

This use case is more useful for community managers, since the data produced by it could be used to support important decisions by the CM’s. However, since its publicly available newcomers and contributors could also benefit from it.

## **Triggers**

User browses Augur page for a certain project and chooses the GMD section.

## **Actors**

Any augur user (community managers, contributors, newcomers)

## **Preconditions**

1. Existing open source project with open and/or closed issues
2. Issues by contributor data is available

## **Main Success Scenario (Goals)**

1. Community manager visits the project’s Augur page
2. Community manager then sees most engaged contributors
3. Community manager has more data to support him/her in decision making for a project

## **Alternate Success Scenarios**

1. Newcomer visits the project’s Augur page
2. Newcomer identify which users have been engaging the most
3. Newcomer is able to see the relationship between issues engagement and another individual user metric

## **Failed End Condition**

1. Repo doesn’t have enough issues to generate data
2. User is unable to come to a solid conclusion after analyzing the data

## **Steps of Execution (Requirements****)**

1. Retrieve data from the database and the GitHub repo
2. Display data on the Augur page in an interactive format

## **A Use Case Diagram**

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## **Most Issues Created**

## **Description**

Users can analyze which contributors have created the most issues. This metric can be used, along with other similar metrics, to determine different factors about user engagement.

## **Triggers**

User browses Augur page for a certain project and chooses the GMD section.

## **Actors**

Any augur user (community managers, contributors, newcomers)

## **Preconditions**

1. Existing open source project with open and/or closed issues
2. Issues by contributor data is available

## **Main Success Scenario (Goals)**

1. Community manager visits the project’s Augur page
2. Community manager then sees contributors with most issues created
3. Community manager has more data to support him/her in decision making for a project

## **Alternate Success Scenarios**

1. Newcomer visits the project’s Augur page
2. Newcomer identify which users have been engaging the most
3. Newcomer is able to see the relationship between issues engagement and another individual user metric

## **Failed End Condition**

1. Repo doesn’t have enough issues to generate data
2. User is unable to come to a solid conclusion after analyzing the data

## **Steps of Execution (Requirements)**

1. Retrieve data from the database and the GitHub repo

2. Display data on the Augur page in an interactive format

## **A Use Case Diagram**



## **Average Response Time of Top Engaged Users**

## **Description**

Users can analyze response times for top engaged contributors. Engagement in this case is determined following the first use case: total comments is the key here.

## **Triggers**

User browses Augur page for a certain project and chooses the GMD section.

## **Actors**

Any augur user (community managers, contributors, newcomers)

## **Preconditions**

1. Existing open source project with open and/or closed issues
2. Issues by contributor data is available

## **Main Success Scenario (Goals)**

1. Community manager visits the project’s Augur page
2. Community manager then sees the response time for top engaged contributors
3. Community manager has more data to support him/her in decision making for a project

## **Alternate Success Scenarios**

1. Newcomer visits the project’s Augur page
2. Newcomer identifies out of the top engaged users which has the fastest response time
3. Newcomer is able to see the relationship between response time and another individual user metric

## **Failed End Condition**

1. Repo doesn’t have enough issues to generate data
2. User is unable to come to a solid conclusion after analyzing the data

## **Steps of Execution (Requirements)**

1. Retrieve data from the database and the GitHub repo

2. Display data on the Augur page in an interactive format

## **A Use Case Diagram**

