CS4320 Software Engineering **Sprint 1 - Group 12**

short line

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Requirements:

The Users of Augur Documentation:

* Augur Developers/Contributors - The people that maintain and update the functionality of augur itself.
* Open source contributor - An individual using augur to analyze a project they are working on, or a project they are considering working on.
* Open Source project teams - A project team/ team lead or member using augur to analyze their own project’s health

Requirements table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User** | **Activity** | **Priority** | **Associated Data** | **Description** | **Constraints** |
| Augur Developer | Install development Augur | 1 | augur repository, postgreSQL database, test repository, augur documentation | Show a developer how to install a development version of augur to test features and code in an understandable way | Documentation must not be too complex so only the most experienced can understand but also cannot be too simple as to leave anything out |
| Open Source Project Contributor | Install production Augur | 1 | augur repository, postgreSQL database, Open source repository, augur documentation | Show a Open Source contributor how to install and use a production version of augur to analyze their own open source project | Documentation must not be too complex so only the most experienced can understand but also cannot be too simple as to leave anything out |
| Augur Developer | Edit Documentation | 1 | augur documentation, augur repository | Allow augur contributor to update documentation as new features are added | Any changes shall be updated for all users within 30 minutes |
| Open Source Contributor | View documentation | 1 | augur documentation, augur repository | Allow a contributor to understand augur and how to install to analyze data. | Many users should be able to access the documentation at the same time |
| Open Source Contributor | Ask question | 2 | augur documentation, augur repository | Allow a non-augur contributor to ask a question or gain clarification about a step in the documentation | Users should have their question/issue resolved within 1 week |
| All | Readability | 2 | augur documentation | Any user must be able to physically read the documentation, as well as understand the meaning behind it | Must allow for all users to understand, even those with visual impairments |
| Augur Developer | Answer Question | 2 | augur documentation, augur repository | Allow an augur developer to comment and respond to a question a user has put forth | Each question should have at least one answer within 1 week |
| Augur Developer | Insert/Update Dependencies | 2 | augur documentation, augur repository | Allow a developer to add, change, and remove any dependencies present in the documentation | The number of outside dependencies should be minimal |
| All | Translate document | 3 | augur documentation | Allow any person viewing the documentation to translate the page to another language. | There shall at least be 3 different languages available |
| Open Source Contributor | Provide suggestion/edit | 1 | augur documentation, augur repository | Allow any person to suggest a change or update to the documentation. | Changes must be moderated and accepted |
| Augur Developer | Accept suggestion/edit | 1 | augur documentation, augur repository | Allow an augur contributor to accept a suggested change | Any changes shall be updated for all users within 30 minutes |

Requirements for documentation itself

* Modern web browser
* Secure Https connection

Requirements for overall augur system/install:

* GitHub Access Token (repo and all read scopes except enterprise)
* GitLab Access Token
* Python 3.6 - 3.8

Use Case:

**Title**

A developer follows the documentation to set up a development instance of Augur to make modifications and contributions to the project.

**Description**

The user (developer) follows the documentation provided to set up a functional instance of Augur.

**Triggers**

A developer wants to contribute to the Augur project and needs a development version to run.

**Actors**

1. Developer

**Preconditions**

1. Current release of Augur is functional

2. The developer has the necessary access to the necessary software and a deployment environment.

**Main Success Scenario (Goals)**

The developer is able to follow the documentation to deploy Augur and use the instance to test modifications.

**Alternate Success Scenarios**

N/A

**Failed End Condition**

1. The developer is unable to understand the provided documentation

2. The documentation does not cover the exact scenario the developer is in/wants

3. The documentation, followed exactly, fails to produce a functional deployment

**Extensions**

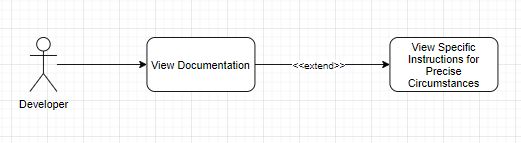
Specific Documentation on different circumstances.

**Steps of Execution (Requirements)**

1. The developer identifies the precise circumstances they desire (OS, database software, deployment environment, etc.)

2. The developer follows the proper steps that match their circumstances

3. The developer successfully deploys an instance of Augur

**A use case diagram**

**Dependent Use Cases**

N/A