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Problem Statement

Users find it confusing and difficult to install an instance of augur for contributing and development. Users would benefit from more in-depth and descriptive documentation that has detailed instructions and reference links with regards to installing augur.

Proposed Feature 1 - Robert G.

Title
Creating a bash script for make installation

Requirements

- Access to linux terminal
- Bash script installed

Description
One way to fix the confusion and repetitiveness of the installation is to make a bash script that does all the inputs for you. We had issues with out installation where certain things weren't installed that were necessary for the install files to run (wheel, tensorflow, etc.)

Triggers
This use case is started whenever the user wants to install augur

Actors
The user that is trying to install augur onto their machine

Preconditions
One major pre-condition is that the correct python version has to be installed so that the install script can run properly. Another possible precondition is that you might have to have a virtual environment if the bash script can't create it itself

Main Success Scenario (Goals)
The main success condition would be the successful installation of augur

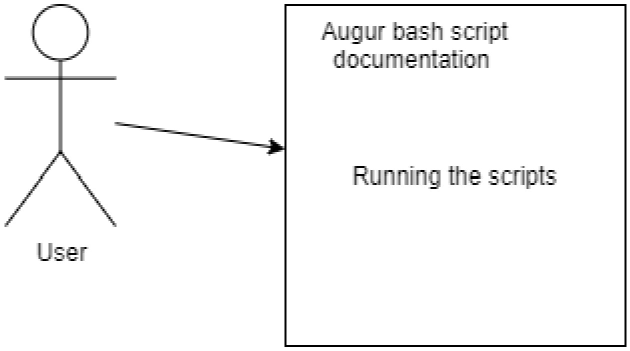
Alternate Success Scenarios
One alternate success scenario would be having the bash script install some of the necessary modules, but failing for some of them. For this success case, there will be an output as to why the install wasn't completed successfully

Failed End Condition
Augur is not installed because of some issue with the connection of augr and the script

Extensions
Steps of Execution (Requirements)

1. User opens terminal window
2. Cd to where you want Augur installed
3. Run the new bash script to install augur

A use case diagram:



(following the UML Standard for expressing use cases.)

Dependent Use Cases

N/A

Proposed Feature 2 (Author: Olivia L)

Title

Explanation of User Inputs

Requirements

- User is asked to provide user input while running the “make install” or “make install-dev”
- User is able to read the documentation for augur to know what inputs would be appropriate and acceptable to give
- Documentation is easy to find and clearly understandable

Description

The “make install” command requires several user inputs during its run. Users may be confused and not know what an acceptable or proper input would be. Updating the documentation to include suggestions, examples, and an explanation of different user inputs would help users get through the install process easily.

Triggers: User runs the “make install” or “make install-dev” commands

Actors: A person trying to install an instance of augur for contribution or development

Preconditions

- User must have a database and virtual environment that they have prepared to install an instance of augur on
- User must navigate to https://oss-augur.readthedocs.io/ and then find the correct documentation page that informs them about make install user inputs

Main Success Scenario (Goals): User is able to successfully install an instance of augur.

Alternate Success Scenarios

User knows what inputs would be appropriate, but is unable to install an instance of augur due to another roadblock.

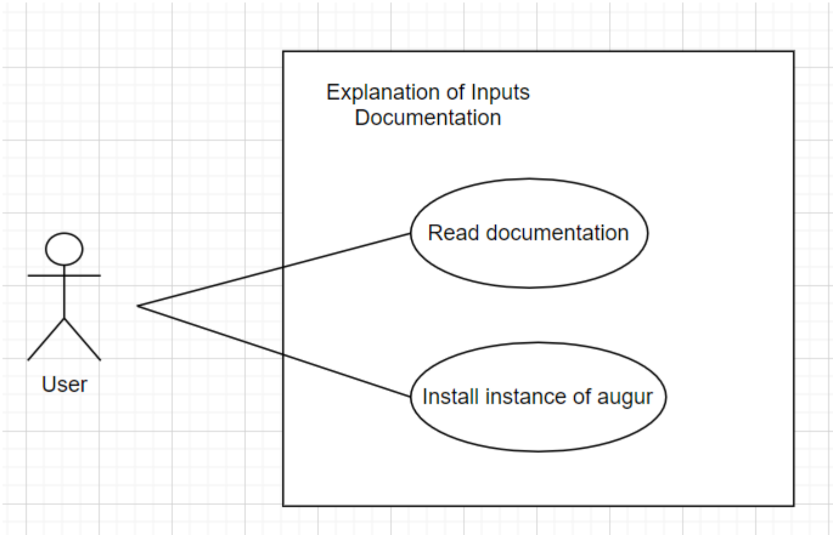
Failed End Condition

User is unable to install an instance of augur because they are not sure what an acceptable input would be.

Steps of Execution

1. User navigates to https://oss-augur.readthedocs.io/
2. User finds the correct documentation page
3. User reads the page
4. User understands what inputs are appropriate when asked for them

A use case diagram


Explanation of Inputs Documentation
Read documentation
Install instance of augur
User

Dependent Use Cases

N/A

Proposed Feature 3 (Author: Michael Navazhylau)

Title

As an Augur user, I should be able to successfully set up an Augur database based on the augur documentation.

Requirements

- Users can successfully install postgres databases.
- User can properly initialize augur table with augur user
- User can connect augur database to augur via “make install”
- Documentation should be clear and easy to understand
- Links to anything confusing (what is postgres, what is SQL, etc) should be provided for further comprehension

Description

One of the most difficult things about augur is setting up a working local instance of it. One of the reasons is the difficulty with setting up a postgres database that will successfully connect to augur. The solution we propose is to write clear, understandable database setup documentation that will ensure users will have a working augur database for their installation.

Triggers

- When the user wants to set up an augur database.
- When the user is setting up augur for the very first time.

Actors

- Developers
- OSS Organizations
- Companies
- Any other user that is interested in the metrics of an open source project.

Preconditions

- User must navigate to https://oss-augur.readthedocs.io/
- User must click on **Getting Started** > **Database setup**
- User should have system where Postgres can be installed

Main Success Scenario (Goals)

- The user has a working installation of postgres with a “augur” table and “augur” user
- The user can access their database via localhost or the web

Alternate Success Scenarios

- User already has a working Postgres instance
- User has the **make install** script to create the “augur” table and “augur” user

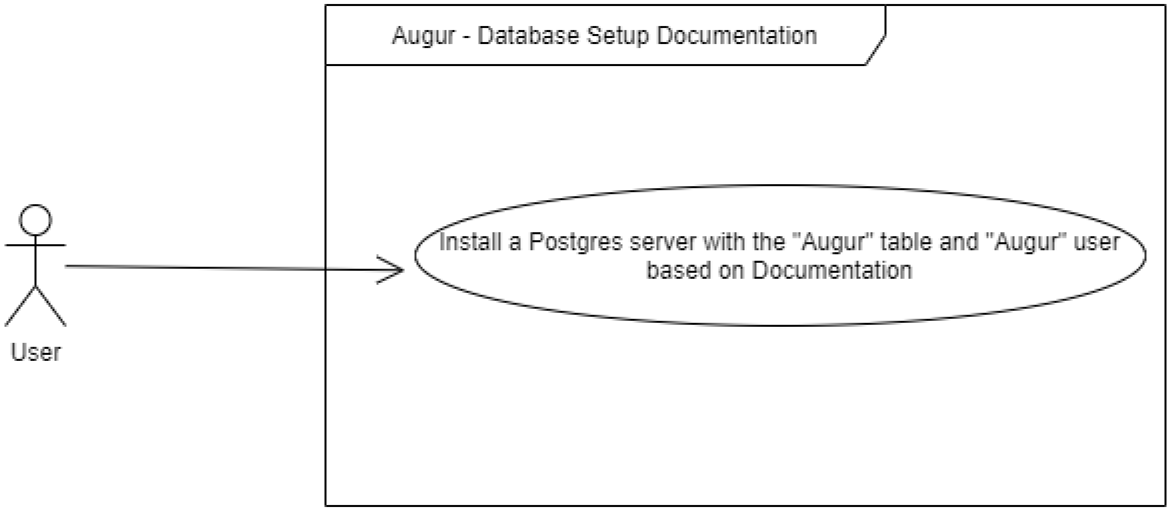
Failed End Condition

- User is unable to install an instance of Postgres
- User is unable to setup the “augur” table
- User is unable to setup the “augur” user
- User is unable to run the Postgres database server

Execution

1. User clicks on https://oss-augur.readthedocs.io/
2. User navigates to Getting Started > Database Setup
3. User reads the Database Setup

A use case diagram


Augur - Database Setup Documentation
User
Install a Postgres server with the "Augur" table and "Augur" user based on Documentation

Dependent Use Cases

N/A

Proposed Feature 4 (Author: Isaac Milarsky)

Title
Improved interface to integrate API keys from Github/Gitlab

Requirements

- Augur cloned from repository
- Github/Gitlab accounts with which to gen API keys

Description

Before successful installation of an augur instance API keys must be generated for the application to properly function. The current documentation doesn't really give too many details on the process for how to integrate the API with Augur instance so improved documentation along with an auto interface to get API keys would be a welcome feature.

The terminal bash script could open the default browser/keyring in order to pull API keys from an account dynamically. Additionally documentation would be given on what the API keys are used for.

Triggers

- Attempting to install an Augur instance

Actors

- Augur end user
- Github, Gitlab and their OAuth APIs

Preconditions

- Augur is cloned to the host machine
- User has Github/Gitlab

Main Success Scenario (Goals)

Preconditions for the install of an Augur instance have been fulfilled and Augur can be installed with make install.

Alternate Success Scenarios

Preconditions for the install of a development instance of Augur have been fulfilled and Augur can now be installed in a development configuration.

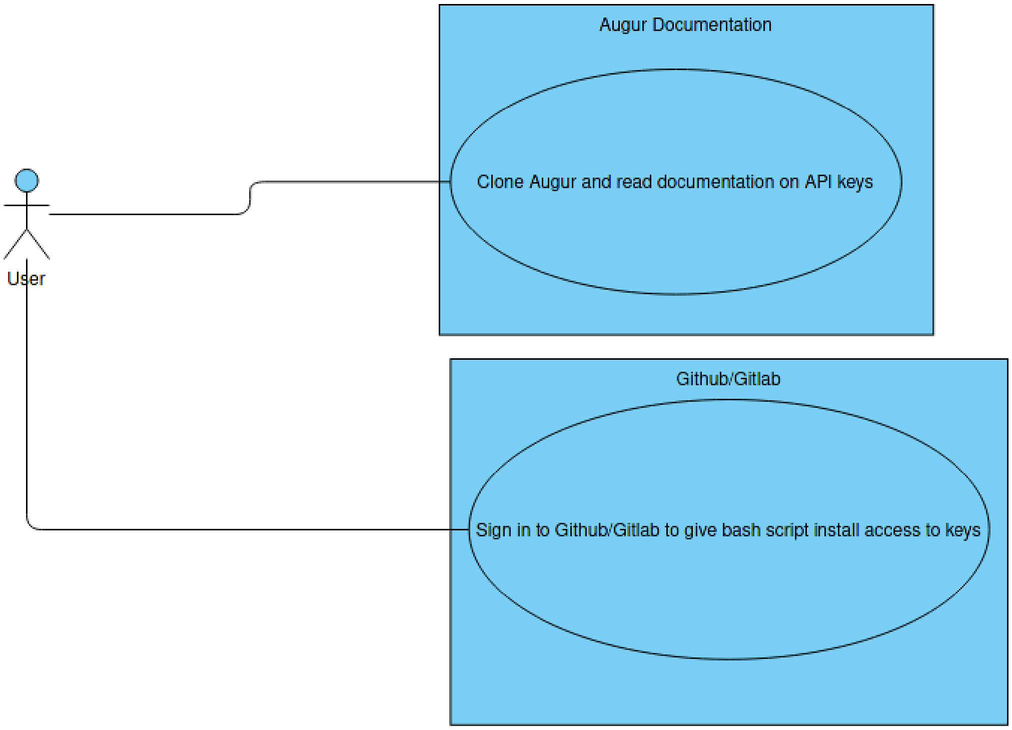
Failed End Condition

- Augur fails to make because of invalid or missing API keys.
- User is unable to understand API keys after reading improved documentation

Extensions
Steps of Execution (Requirements)

1. User clones Augur
2. User reads install instructions from https://oss-augur.readthedocs.io/
3. User navigates to Getting Started > API Keys to learn their purpose
4. User installs Augur from script when ready
5. Script prompts user for Github/Gitlab info to retrieve keys
6. Augur is able to make

A use case diagram


Augur Documentation
Clone Augur and read documentation on API keys
User
Github/Gitlab
Sign in to Github/Gitlab to give bash script install access to keys

(following the UML Standard for expressing use cases.)

Dependent Use Cases

Github/Gitlab accounts already exist