Group 9 Design Document

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Goal: Create documentation on installing Augur using an Ubuntu DigitalOcean Droplet.

Steps:

1. Instructions on: Creating a DigitalOcean droplet using Ubuntu 18.04 x86\_64
2. Instructions on: Connecting to DigitalOcean droplet using ssh
3. Instructions on: PostgreSQL Installation
4. Instructions on: Setting up a database using the Augur standard
5. Instructions on: Installing Augur
   1. Before Installing Augur:
      1. Install GCC
      2. Create GitHub Access Token
      3. Create GitLab Access Token
      4. Install Python (3.6, 3.7 or 3.8)
      5. Install Node
      6. Install NPM
      7. Install Vue-cli
   2. Set up Python Virtual Environment
   3. Run make install, or make install-dev
   4. Common Issues:
      1. TensorFlow Fails to install
         1. pip install tensorflow==2.2.1 --no-cache-dir
         2. TensorFlow does not support Python 3.9
      2. Database can not connect to Augur.
         1. Multiple sources of the problem
      3. Other Python packages fail to install
         1. Install modules using pip before running ‘make install’ fixes most of the issues.

Style Specifications:

1. Provide transparent modes of instruction
   1. Include images of instructions that would be vague over text
   2. Provide sufficient detail on dependency versioning and repo support
2. Follow design of other Augur documentation
   1. Include same markup method for documentation
   2. Provide cohesive styling for the documentation
3. Use a markdown file for ease of use
4. Include links to other websites that host required downloads