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CSC-415
Assignment 6 - OSS

Readme.pdf

Project Title:

TCNJ-Speaks

Github Repository:

https://github.com/weissa7/TCNJ-Speaks

Installing & Using the Application:

TCNJ-Speaks makes use of an Angular 4 frontend, paired with a Ruby on Rails backend. For the sake of simplicity, prepping each environment for execution will be covered separately.

Getting the project:

Recommended use of a linux or mac system with sudo capabilities

In a terminal application: *git clone https://github.com/weissa7/TCNJ-Speaks*

For Ruby installation, navigate to *TCNJ-Speaks\code\backend-api*

Ruby:	Terminal Command:	Version Used:
Install Ruby.	apt-get install ruby-full	ruby 2.4.2p198
Install Bunder Gem.	gem install bundler	1.15.4
Install Rails Gem.	gem install rails	Rails 5.1.4
Install dependencies	*bundle install*	

Rails server should be ready to execute. Run *rails server* inside same directory.

For Angular installation, navigate to *TCNJ-Speaks\code\frontend* in a NEW terminal.

Angular:	Terminal Command:	Version Used:
*1. curl -sL https://deb.nodesource.com/setup	sudo -E bash -*	*2. sudo apt-get install -y nodejs*	
Install node		v8.7.0
Install npm (typically w/ node)		5.5.1
Install angular/cli	npm install @angular/cli	1.4.9
Install dependencies	'npm install' inside directory *TCNJ-Speaks\code\frontend*	

Angular server should be ready to execute. Run *ng serve* inside same directory.

At this point, the frontend should be live + communicating with backend on http://localhost:4200/

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Known Limitations:

Voting can be spammed – consequence of having no user login / session data to track interactions with the system.

Graph for display is buggy – on first open, doesn't always display information. Requires refresh.

Bars in graph display inconsistent – consequence of sorting JSON data on backend side and not on frontend.

Does not run on VM – Server posts as if it were running, unable to access from the outside. Build may be required.

Notes

Any document without '—Updated' appended to the filename has **not** changed since last submission.