Second Iteration Demo

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Part 1: Overview

We completed our demo at 3:45 p.m. on December 4th, 2018. No significant challenges arose during the demo.

Part 2: Use cases

We demonstrated the following use cases:

1. Log into account via Google.

   Change: This feature was implemented in the second iteration. In addition to logging in via their usernames and passwords, users can now login via their Google accounts.

2. Create a graph.

   Change: We removed the "warehouse" part in the workspace. Now, components are directed added from the palette to the canvas.

3. Compile graph into code.

   Change: Make changes to the UI and add animation.

Part 3: CI Mechanisms

Pre-commit: We used pylint to check our code for potential bugs. We included this script as a git hook so it will automatically be run before each git commit. The pre-commit configuration can be found at https://github.com/CathyMouse96/lrn-deep/blob/dev/bin/git-hooks/pre-commit.

Post-commit: We used Travis CI as our CI Server. We used Django tests to test our user authentication backend and Selenium to test our UI. We used mocha-phantomjs to test our JavaScript code for compiling the graph and generating Keras code. The post-commit configuration can be found at https://github.com/CathyMouse96/lrn-deep/blob/dev/.travis.yml.

Coverage: We used Coverage.py to measure branch coverage. This step is also done in post-commit.

Part 4: Link to Repo

Note: Our most recent code is located on the `dev` branch!

The code base is located at https://github.com/CathyMouse96/lrn-deep/tree/dev.

Reports can be found at https://github.com/CathyMouse96/lrn-deep/tree/dev/reports.

Post-commit logs can be found on Travis CI: https://travis-ci.org/CathyMouse96/lrn-deep.