Testing Team
Goal: To test the functions of the website at the back-end and make sure there is no bug before the next release.
Tools: Python, Selenium
Progress:
1. Coded login page testing and drop-down menu of the configuration page
2. Commented all code in detail so that future developers can reproduce the work easily
3. Verified that configurations are saved correctly and can be edited and deleted

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The Problem
CAM² is currently capable of detecting humans. However, better algorithms and detection frameworks are available. We explore Caffe, a deep learning network which can use Fast R-CNN, an object detection algorithm. This allows CAM² to detect around twenty classes of objects, including humans, animals, and cars. In addition, before the next release, we need to test every function on the website to ensure everything works as intended.

Solution
To solve the problems efficiently, Thomas and Shengli joined the testing team to write testing codes at the back end while Joseph joined the image team to focus on the human detection function.

Future Work:
1. Broad detection categories and customizable detection querying
2. Fully covering the website with tests and implementing continuous integration

Image Team
Goal: To implement a more accurate fast human detection system.
Tools: C++, Python
Progress:
1. Decided to use Caffe with Fast R-CNN for human detection
2. Currently developing a CAM² module
3. Plan to tag thousands of images with detection data