Bo$$-Spy Integration Test Plan

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1 Boss-Spy Integration Test Plan

The Boss-Spy system is separated into three components, the graphical user interface (GUI), the computation unit, and the camera interface. The test will take place in 4 phases. The following list describes each phase.

• Phase One:
  In phase one each of the components will be tested independently. The GUI will be tested to ensure that a user may login, create a new account, and change their preferences. The algorithms in the computation unit will be tested to ensure they perform acceptably with sets of test data, and the camera interface will be tested to ensure it can pull images from the video in a timely fashion.

• Phase Two:
  In phase two of the test the camera and computation components will be integrated. This means that the algorithms will now be operating on images captured directly from the camera.

• Phase Three:
  In phase three the message passing between the computation unit and the GUI will be tested. This test will include updating images in the GUI, changing preferences, and reporting a detected face.

• Phase Four:
  In phase four all of the components will be integrated and tested. After passing this test the system will be able to perform as is expected, and pass the previously stated acceptance test.