31/01/2017	
Tasks	• Created first commit of codebase • Removed practice files
Issues	N/A

01/02/2017	
Tasks	• Added arguments using argparse • Added functions to take EXIF data from image, removed for ref point version • Started ref point finding algorithm using own image with manufactured ref point
Issues	• Ref point finding not functional

03/02/2017	
Tasks	• Completed ref point finding and measuring • Added calculations to produce pressure setting from measurement
Issues	• Suggested pressure setting incorrect, issue with calculation

06/02/2017	
Tasks	• Added debug printing to program • Fixed calculations to produce more acceptable suggested pressrure
Issues	• Suggested pressure setting incorrect

07/02/2017	
Tasks	• Created project in PyCharm for better management
Issues	N/A

08/02/2017	

Tasks	• Created unit test for single function
Issues	• Not fully covered

09/02/2017	
Tasks	• Added more unit tests to suite • Fixed issue with calculations
Issues	• No full coverage

10/02/2017	
Tasks	• Completed unit tests for full coverage of class
Issues	N/A

12/02/2017	
Tasks	• Changed test suite to use unittest2 for access to assertRaises and assertIsInstance • Adjusted class to contain protected functions and added API function with test
Issues	• Unsure that psi/mm method will produce correct settings, probably requires more technical approach. Will discuss in meeting

13/02/2017	
Tasks	• Changed program to run as standalone script • Added test for running with no image • Created script to test pressure calculation equation from excel data
Issues	• Equation method requires testing with alternative bike

15/02/2017	
Tasks	• Created Python script to produce linear regression equation from csv • Implemented linear regression production into main program in seperate class

	• Tested using hardcoded movement values from both shocks • Tested finding real reference point
Issues	• Reference point finding needs tuning for real sticker • Smarter algorithm needs testing with measured values

17/02/2017	
Tasks	• Added images with flash for testing • Made code to reduce colors for easier ref point finding • Tested with 100 and 150 flash and no flash images
Issues	• Can't find circle in 150 flash image, colors off • Measurements wrong, possibly due to imperfect circle

19/02/2017	
Tasks	• Added color quantification into program • Added colored debug printing
Issues	• PX to mm conversion is wrong somehow • Still can't find circle in 150 flash image

21/02/2017	
Tasks	• Adjusted parameters of hough circles to improve circle finding • Changed circle finding method from hough to find countours and bounding circle • Adjusted upper and lower bounds for finding reds
Issues	Unit test fails

23/02/2017	
Tasks	• Adjustments to improve measuring process • Fixed tests failing from new ref point process
Issues	N/A

28/02/2017	

Tasks	• Added images of fox shock
Issues	• Does not work on fox shock, need to find black O-ring

01/03/2017

Tasks	• Experimented with and implemented ability to find black O-ring limit using thresholding
Issues	• New code not covered by tests

03/03/2017

Tasks	• Added unit tests for new functionality • Improved how the application fails with catches and better messages
Issues	N/A