CALS

Unit Testing

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# Introduction

The purpose of this document is to present how Unit Testing was conducted. The testing frameworks which we will use for creating unit test would be PyUnit in combination with PyQt QtTest module. PyQt QtTest contains only QTest class.

To see how you can do write unit tests follow the example presented here: [http://johnnado.com/pyqt-qtest-example/](http://johnnado.com/pyqt-qtest-example/%20)

The repository where all the code for the above example can be found is here: <https://bitbucket.org/jmcgeheeiv/pyqttestexample>

# Unit tests

## Unit tests for the Workstation UI

* Default value for controller id
* Default value for facility id
* Default value for workstation id
* Login with default values in the UI
* Login valid
* Login when already logged in
* Login button press
* Logout with default values in the UI
* Logout normal
* Logout when not logged in
* Role change normal

All this tests will be contained in SimulationWidgetTest.py