*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Multimodal Interactive Paint

User Story # **304, 306, 298, 292**

**Name:**

Jim Louro

**Team Member(s):**

Daniel Moderos

**Product Owner(s)**:

Francisco Ortega

**Mentor(s)**:

**Instructor**: Masoud Sadjadi

**User Story Name:** Sample GUI

* As a developer I want to use the QT framework to design a basic GUI to test the C++ and QT integration

**Acceptance Criteria**

* The GUI code must compile and run
* The sample GUI should work with different touch inputs
* The GUI must include a tleast one QT Widget

# Use Case Sample GUI

|  |  |  |
| --- | --- | --- |
| #**304 Sample GUI** | | |
| ***Description*** | There needs to be a main window with tabs and buttons that extend from the QT widget library that can be used as a sample graphical user interface. | |
| ***Actor*** | Any team Member | |
| ***Precondition*** | QT is installed and connected with Visual Studios 15 | |
| ***Flow of Events*** | **User** | **System** |
| **1.** | Runs the debugger | Compiles and executes software |
| **2.** | Presses buttons | Signals event handles to test that the buttons work. |

**Testing**

**Description:**

* Test the buttons and run the gui on different computers

**Work Log:**

**Unit Test**

**Test Case 1**

***Purpose: Test the GUI on 2 different devices to see if the structure holds.***

* Precondition: User must have QT and Visual Studios installed, then connect them.
* Expected Result: The code compiles and runs.
* Actual Result: Actual result was the Expected Result.
* Status: **PASSED**

**Test Case 2 (sunny)**

***Purpose: Test the buttons to see if the event handlers get fired.***

* Precondition: User must have QT and Visual Studios installed, then connect them.
* Input: The user clicks the “File”.
* Expected Result: The drop down menu opens.
* Actual Result: Actual result was found to be the expected result.
* Status: **PASSED**

**Visual User Guide**



