BestXYZ Processor

Requirements, Design, Implementation, Testing (RDIT)

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| User Story | Text |
| INPUTFILE | The user was able to specify an Input File in the main window by direct entry |
| INPUTSELECT | The user was able to select an Input File in the main window by browsing |
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1. Requirements
   1. The user is able to type into a text field on a GUI interface an input file path.
2. Design
   1. Use a framework to create a main GUI dialog
   2. Add in a Button to browse using a standard file open dialog.
      1. Browsing for a file fills the main GUI text element
3. Implementation
   1. Create a QT Window
4. Testing  
   Test Setup: A computer with the BestXYZ Processor application loaded and containing at least one reference receiver dataset.
   1. Open the BestXYZProcessor application
   2. Verify that a text entry field is present on the GUI
   3. Verify that the user can type into the text entry field
   4. Verify that a button with a folder icon exists to the right of the text entry
   5. Use the folder button to pop up the open dialog
   6. Cancel the dialog, verifying that no file path is entered in the text entry