HWDB Python Upload Tool Updates

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Upload Tool v1.0

- We are releasing Version 1.0 of the Upload Tool!

- Documentation includes three examples of increasing complexity

- Code is contained in https://github.com/wagn0033/DUNE-HWDB-Python

Version 1.1

- We wish to have this ready quickly; a few weeks at most

- Several fixes from version 1.0:

  - Change REST API calls from V0 to V1

  - Dynamically obtain Country, Institution, and Manufacturer lists

  - Check for Serial Number collisions with new REST API method, instead of pulling and examining every existing HW Item individually

- Allow users to use PID as primary identifier instead of Serial Number

- Allow users to use tool to update HW Items

- Add mechanism for uploading images

Unit Tests

- We have a new undergrad student, Urbas Ekka, working for us this summer and possibly through the school year. He is currently helping us by writing unit tests

- Initial unit tests will cover REST API calls, to ensure that the methods we are using are still functioning the same way after there are code changes

- Since they are testing the REST API directly, they are useful both for the Python app and for the iPad app

- We are not currently planning on testing any functionality we are not using ourselves, but we are willing to be persuaded to do so if others are using that functionality

- Future unit tests will test functionality specific to the upload tool and encoding/decoding of spreadsheets and JSON data structures

- We may also need to create unit tests for the iPad app for higher-level functionality

Version 1.2 and beyond

- We need to have a means to specify and upload subcomponent connection info for HW Items

  - The functionality needed for this in the REST API is currently being developed

- Possible GUI version of the upload tool?

Thank you for your time!

Questions? Comments?

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