Introduction: otsdaq

Otsdaq is an acronym for “off-the-shelf data acquisition”. It is a data-acquisition (DAQ) solution that is ready to use and designed for the test beam, detector development, and other rapid deployment settings. The Mu2e experiment makes use of this online DAQ software framework. Otsdaq comes as a web page, offering a web interface for configuring, controlling, and monitoring online DAQ software entities.

Purpose of the project

The purpose of the project was to improve the design and the functionality of some features on the Graphical User Interface of otsdaq.

Some of the improvements were about:

- Fixing graphical bugs
- Enhancing the overall appearance
- Adding more interactivity to the tool (e.g., buttons, boxes, different colors, etc.)
- Designing a history feature

Conclusions and future work

The goals completed during the internship were:

- Gain an understanding of HTML and JavaScript for Web Development
- Develop software on a remote and distributed machines environment
- Improve the overall appearance of ots

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