

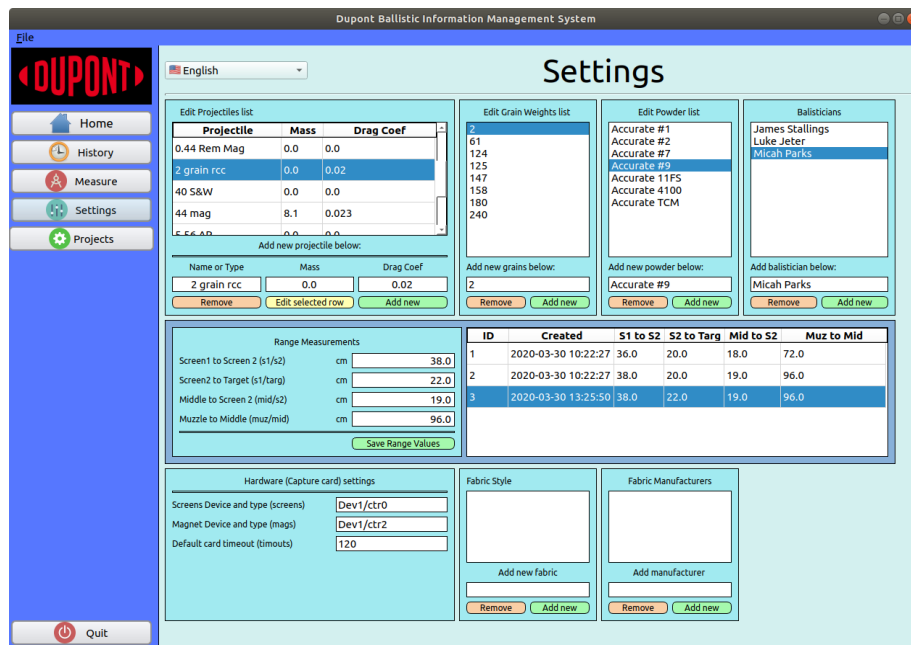
Ballistic Data Acquisition Software System

Project Team: James Stallings, Micah Parks, John Naylor
Computer Science
Project Number CS 326

Faculty Advisor: Robert Dahlberg, Ph.D.
Sponsor: Dupont
Mentor: Luke Jeter

The Ballistic Data Acquisition Software System is a re-imagining, re-design, and re-write of legacy software used at Dupont's ballistic testing facilities. Problems solved include minimization of data-loss risk, minimized training time for new users, and reduced data entry per shot for seasoned users. The new system is fully ADA compliant and Internationalized allowing Brazilian Portuguese speakers use of the software without the need to learn any English terminology.

Keywords: Pyqt5, MySQL, Ballistics, Sensors



Projectiles and Kevlar



Remote Sensor Connection Panel



National Instruments Timing Board