**Title**

**Problem**

Efficient allocation of a shared resource.

Multiple pieces of similar equipment, with multiple users. The equipment is used for varying lengths of time, and in order for a user to determine if equipment is available, they must physically inspect each one. If all equipment is in use, there is no queueing system available for the next available equipment. Tracking of errors, malfunctions, maintenance, and runtime is non-existent.

**Previous Work**

**Users**

**Equipment User:** Main user of equipment and scheduler.

**Equipment Admin:** May or may not be an Equipment User.

**Equipment Maintenance Technician:** Expert in the use and repair of the equipment. May or

May not be Equipment User and/or Equipment Admin.

**Equipment Accounts Payable/Receivable:** Uses scheduler to justify past and future

Expenditures related to the equipment. Buying more, repair costs, etc.

**Tasks**

**Problem Scenarios**

**Usability Requirements**