The documentation for your lab project will be in the form of a manual for the operation of your machine. This manual must include:

Instructions for:
a.   starting the machine
b.   loading the machine
c.   clearing jams

Diagrams and Listings:
d.   mechanical drawings or annotated photos
e.   PLC ladder logic
f.   State machines
g.   Smartmotor and SLA programs
h.   Motoman Inform programs
i.   Wiring diagram or table, listing all I/O connections between PLC, sensors, pneumatic valves, SLA controllers, Smartmotors, and Motoman DX100 controller.
j.   Bill of materials for flashlight, with drawings and CNC code for machined parts.

Descriptions:
k.   Operation of each major section of the machine.
l.   Limitations of machine and suggestions for future improvements.

All programs (PLC, Smartmotor, SLA, Motoman, g-code) should be zipped into a file and placed in the k:\class\engr\480\morifiles folder under your team leader's name.

Examples of manuals from previous classes can be seen at:
        http://engr.wallawalla.edu/engr480/reports/