For the final project you will select an automated process of your choice and fully design the system as you did in Project 1. All instructions from the course must be used in your system to demonstrate your understanding of the instructions and their uses.

As you will be using subroutines, you should demonstrate each subroutine on the lab stations. For the lab to be considered fully demonstrated, you will demo to the TA's:

- Subsystem 1
- Subsystem 2
- Subsystem 3
- Moving from the main routine to different subroutines.

A. Industry: Beverage; Primary Packaging

B. Description of the process: Rinse, fill and cap empty bottles with desired liquid.

C. Section 1: Bottles feeder

This section allows the personnell to refill the feeder and also prevents system startup when it is not full. Coordinates some indicator lights as well.

D. Section 2: Rinse, fill and cap

The primary package consists of a fast speed production line when bottles are prepared in sequence. The simulation would be compried of a production line similar to project 1.

E. Section 3: Packaging

Individual bottles should be grouped together into larger containers. Different bottles or bottles with different contents are not mixed together