In this Lab, you will be exploring the problem of code maintainability by looking at commonality and variability in a problem domain with respect to time.  That is, anticipation of changing requirements. Try to avoid duplicate code.

The Problem Domain is a simple one, that of a Gumball Machine.  Consider the following three Gumball Machines:

[gumball-machines.png](https://sjsu.instructure.com/courses/1375507/files/59987688/download?wrap=1)

Start with the code here:  [https://github.com/gopinathvinodhsjsu/cmpe202/tree/master/gumball (Links to an external site.)](https://github.com/gopinathvinodhsjsu/cmpe202/tree/master/gumball)and make changes to the source necessary to support instantiating Gumball Machines that can support any of the three Models in the Problem Domain.

In your**assigned personal GitHub Repo for the class(Git classroom)**, use a copy of the above source code as your first commit and then make changes and push your commits to Github before the due date.  
  
Upload a screenshot of your output in Github. On Canvas just enter a link to your GitHub repo