

# Using StarUML

## CSC 2310 Spring 2021

In this lab you will learn how to create diagrams using the StarUML environment. You will use the information contained in the **Problem Description** shown below as well as the work done in class as context for creating the relevant diagrams(s).

### Pre-work

- Installation of StarUML - if you have not completed the installation of StarUML, follow the instructions provided in Lab 00.
- Download the lab source files using the following command:

```
% git clone https://gitlab.csc.tntech.edu/csc2310-sp21-students/%userid%/%userid%-lab-02.git
```

replacing `%userid%` with your own TNTech issued userid.

### Problem Description

The V-Vend Vending Machine allows customers to buy various snacks and drinks from a kiosk. The display screen shows available products on an LED touchscreen and allows users to select their desired products. The system accepts credit cards, bills (\$1, \$5, \$10, \$20) and coins (nickels, dimes, and quarters). Once ordered, the system allows a user to take a refund by canceling the request. Once selected, the system dispenses the selected product and remaining change, if any. The system has a maintenance mode that allows a technician to reset the system, change the contents that are dispensed, change prices, and shutdown the unit.

### Mural Boards

Use the following Mural boards to assist with crafting your models.

- [Section 001 Mural Board](#)
- [Section 002 Mural Board](#)

### Activity

- Create a use case diagram based on the problem description. You may limit your scope to just the features identified in the problem description.
- Create a class diagram based on the problem description. You may limit your scope to just the classes relevant to the problem description.

### Turn-in

You must include the following meta-data in your diagram as a text annotation (Toolbox → Annotations → Note):

- Your name
- T-Number
- Lab Section

Save your project file with the following name as follows: `userid_lab02.mdl` in the directory created when you executed the `git clone` command above. For example, `jgannod_lab02.mdl`.

Submit your `.mdl` file to iLearn using the appropriate link and by using the following commands:

This laboratory is worth 20 points.