Homework 1: Shave Ice

We're writing a Point of Sale (POS) software application for a shave ice company. This company has kiosks which have minimal electricity and limited hardware resources, and it has sweet air-conditioned stores with all the electricities.

Employees in the kiosks must write their orders on tickets and can only accept cash. When an employee takes a ticket order, they should enter the Order Number into the system. When an employee takes a cash payment, they should enter the amount of the sale and the amount of the payment and display the change.

Employees in the stores have a fancy computer to take orders on and can accept cash and credit cards. When an employee takes a computer order, the Order Number should be generated by the computer. When an employee takes a credit card payment, they should enter the credit card number and the amount of the sale.

Shave Ice Shops	Payment	Order
Kiosk	Cash	Ticket
Store	Cash, Credit Card	Computer

Assignment 1: Draw a class diagram for your solution using whatever means necessary.

Assignment 2: Implement this POS system in Java using the Strategy design pattern. The driver should just demonstrate that the classes work as expected.