CPAN 222 Lab 1

## Goals

Understand class hierarchies and polymorphism.

## Description

An equipment rental store rents tools and garden equipment based on either a daily or weekly rate. For example, shovels are rented by the day but hedge trimmers are rented by the week. If a customer rents a tool with a daily rate, they are simply charged the daily rate times the number of days. For a tool with a weekly rate, they are charged for at least one week. If they rent for more than a week, they are charged the weekly rate for the number of weeks they rent plus 1/7 of the weekly rate for any extra days.. The store needs a program to calculate the total bills of the customers. When the program starts it will read a list of the items in stock, whether they are rented by day or week, and the cost. This will be followed by an item called “end” and then a list of items rented and the length of each rental. The period for all rentals will be specified in days. The list of items will also be terminated by the and item called “end”. The data will look like this:

Rake daily 1.10  
Mower weekly 35.00  
Tiller weekly 45.00  
end  
Rake 2  
Tiller 16  
end

The program should calculate the total price of the items purchased and print it out.

## Deliverables

You should show the working program to your instructor before leaving the lab.