Group Assignment – Lawn Mower Rental refactoring

The design of a console app for a lawn mower rental business has been a success. Now, the business is asking for some further development.

Two types of customers
Before, customers were considered being of one single type. From now on, there will be a basic type of customer and a prime type of customer.

• The basic type has a limit of at least seven days of rental for a new rental. The prime type don't have such a limit.
• The basic type has a 25% discount for one rental period cost per year. Whether a discount has been used or not should be tracked. The prime type has no such discount.
• The prime type count bonus points for each rental. One bonus point per one krona of rental cost. What the prime customers can do with the bonus points are beyond the scope of the assignment. The basic type do not count any bonus points.

How a customer becomes of a prime type involves a subscription fee, but is beyond the scope of this assignment.

Two types of lawn mowers
The business has also expanded their range of lawn mowers. Now they provide an electrical and a petrol alternative.

• The electrical alternative should specify battery effect. This will be measured in units of Watt hour (Wh). // *As a reference, Husqvarna markets two batteries of 75,6 and 146 Wh.*
• The petrol alternative should specify carbon dioxide emission. This will be measured in units of gram per kilowatt hour (g/kWh). // *As a reference, Husqvarna markets a model with 862 g/kWh.*

Because the units are the same for all instances, it makes no sense to keep the unit in the property (like "862 g/kWh". A solution could be to have method that returns the field/property (a number in this case) with the correct unit.

By the end of Friday, stop work and notify in one of your individual chats.