CSCE 740 - Domain Modeling Activity
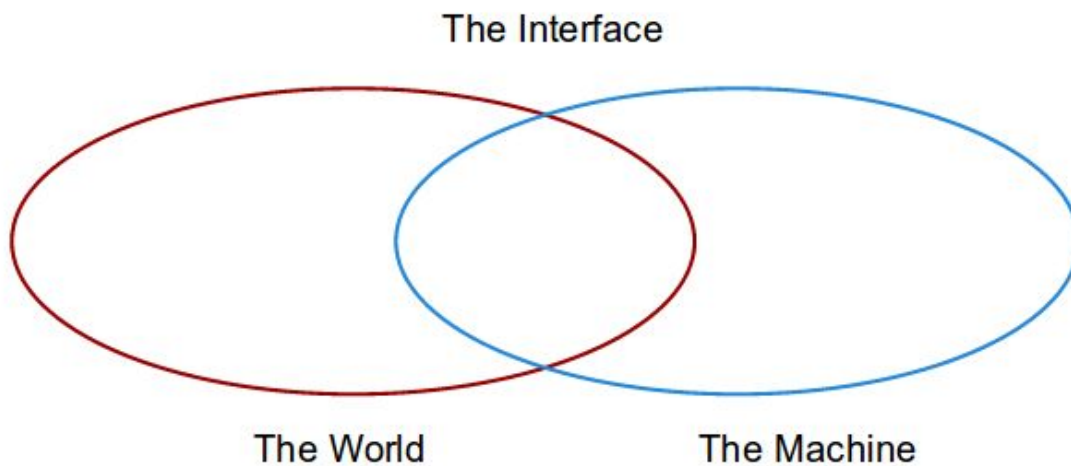# Name(s):

You are developing a furnace system for a home. The furnace has a physical burner and thermometer. The software can control the burner and monitor the thermometer.

You have the following requirement for the furnace system:

- If the furnace temperature drops below the user-defined threshold, then the burner shall be activated.

1: Establish the properties of the world, machine, and interface required to satisfy this requirement.

The Interface

The World   The Machine

2: State specification and domain knowledge properties that can be used to argue for fulfillment of the requirement.