

Homework Project 3

Due 12/9

This project requires you to complete an existing program included in the zip file. It demonstrates the use of `java.util.Random` to generate simulated data, the application of composite data structures, and the use of inheritance to minimize code duplication.

Goal

The included program simulates the collection of weather data for the month of December 2023 and saves that data to a CSV file. The variables measured each day are:

1. Temperature (already completed)
2. Pressure (already completed)
3. Humidity (already completed)
4. Wind Velocity (**for you to complete**)

Review the class diagram below and the code included with the assignment to familiarize yourself with the program. Then implement the **Speed** and **Direction** data structures to complete the **WindVelocity** class.

Class Diagram

