**Weather class**

**purpose**: this class is used for containing current weather status

**attributes**: visibility, crosswind, temperature, thunderstorm

**methods**: getters and setters for the attributes

**WeatherStandard class**

**purpose:** this this class is used for containing weather standard and checking whether the weather meet the requirements

**attributes:** visibility, crosswind, temperatureUpperBound, temperatureLowerBound, thunderstorm

**method**

* Getters and Setters
* isWeatherAcceptable() method return boolean value, if true this flight pass weather checking, if false vice versa. Argument is a weather object

Flight

**purpose**: this class is used for containing a flight information

**attributes**: weather object

**method:** getter and setter for weather

FlightInspection Class

**purpose**: this class focuses on checking whether a flight pass all check to departure

**attributes**: flight(Flight), weatherStandard(WeatherStandard)

**method**:

* Getters and Setters
* inspectWeather(): compare weather to standards to decide if the flight is eligible