package main.java.com.wfdai.weatherforecastdai.main.weather;

import com.github.fedy2.weather.YahooWeatherService; import com.github.fedy2.weather.data.Channel;
import com.github.fedy2.weather.data.unit.DegreeUnit; import java.io.IOException;
import java.util.List; import javax.xml.bind.JAXBException;

/** * Recolhe os dados da API externa Weather Yahoo @author daniel */
public class WeatherYahoo implements WeatherInterface {

```
/**
 * Recolhe os dados da API externa Weather Yahoo
 *
 * @param localizacao String com a localização
 * @param weather Objecto com os dados meteorologicos recolhidos.
 * @throws JAXBException
 * @throws IOException
 */
@Override
public void setWeather(String localizacao, Weather weather) throws JAXBException, IOExceptio
    YahooWeatherService service = new YahooWeatherService();
    List<Channel> channel;
    channel = service.getForecastForLocation(localizacao, DegreeUnit.CELSIUS).first(1);
    weather.direcaoVento = channel.get(0).wind.getDirection();
    weather.velocidadeVento = channel.get(0).wind.getSpeed();
    weather.temperatura = channel.get(0).item.getCondition().getTemp();
    weather.pressao = (float) (0.029890669 * channel.get(0).atmosphere.getPressure());
    weather.dataDados = channel.get(0).item.getPubDate();
    weather.humidade = channel.get(0).atmosphere.getHumidity();
    weather.visibilidade = channel.get(0).atmosphere.getVisibility();
    if ("AM".equals(channel.get(0).astronomy.getSunrise().getConvention().toString())) {
        weather.nascerSol = String.format("%02d", channel.get(0).astronomy.getSunrise().getH
                + String.format("%02d", channel.get(0).astronomy.getSunrise().getMinutes());
    } else {
        weather.nascerSol = String.format("%02d", channel.get(0).astronomy.getSunrise().getH
                + ":" + String.format("%02d", channel.get(0).astronomy.getSunrise().getMinut
    }
    if ("AM".equals(channel.get(0).astronomy.getSunset().getConvention().toString())) {
        weather.porSol = String.format("%02d", channel.get(0).astronomy.getSunset().getHours
                + String.format("%02d", channel.get(0).astronomy.getSunset().getMinutes());
    } else {
        weather.porSol = String.format("%02d", channel.get(0).astronomy.getSunset().getHours
                + 12) + ":" + String.format("%02d", channel.get(0).astronomy.getSunset().get
    }
}
```

}