**Weather Alarm App**

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Source: <https://github.com/hessionb/WeatherAlarm>  
License: GPLv2 or later  
License URI: <http://www.gnu.org/licenses/gpl-2.0.html>

**Description**

This Andriod Application was designed to display the current weather and temperature at a specified location when an alarm goes off. It was designed so that when you wake up due to an alarm you are automatically given the weather.

The application has three activities corrosponding to the panels that are displayed. Upon startup the MainActivity panel is displayed. From here you can either see the current zip code entered and the time set for the alarm, if they have been set, or click the Set New Alarm button to switch to the TimeSet panel. In the TimeSet panel you use a time picker to pick the alarm time and enter the US zip code you want the weather for. Once you have picked the setting you want you can click the Set button to go back to the MainActivity panel.

Once you return to the MainActivity the AsyncTask set the location and time labels and also calculates the time until the alarm should go off. Once the time is reached the application switches to the OutputWeather panel and the phone vibrates. The AsyncTask GetWeather triggers threads that connect to weather.com and weather.gov using GET and retrieve the html page for the location specified. The html page is then parsed for the relevant information and the the weather text is displayed. You can stop the vibation by clicking on the turn off alarm button. You can also click the set new alarm button to take you back to the TimeSet panel.

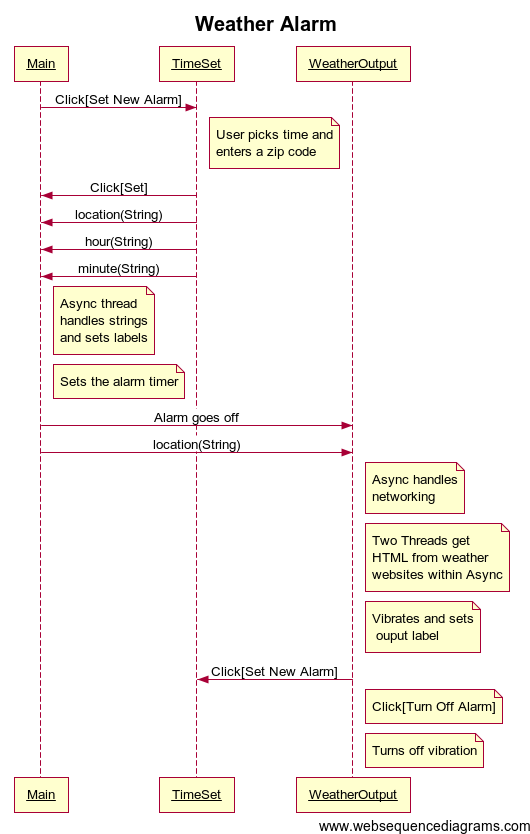
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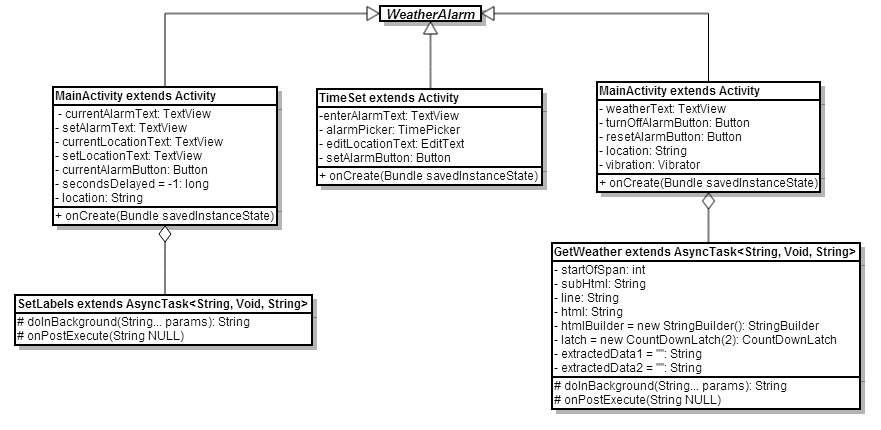
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**Sequence Diagram**



**Class Diagram**



**WireShark**

