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Weather Service
Version 2.1

WSDL: http://wsf.cdyne.com/WeatherWS/Weather.asmx?wsdl
Testing URL: http://wsf.cdyne.com/WeatherWS/Weather.asmx
Developer Resources: http://wiki.cdyne.com/index.php/CDYNE_Weather

Description: Utilize this XML Web Service to obtain up to date and accurate weather information by zip code. This service can be implemented in any system or application connected to the Internet and is designed to be a quick method for obtaining weather information.

The information is gathered from the National Oceanic and Atmospheric Administration's (NOAA) National Weather service into a clean and easy to parse XML format. The information is only for United States cities.

Operations:

- *GetCityForecastByZIP*
- *GetWeatherInformation*
- *GetCityWeatherByZIP*

▼ GetCityForecastByZIP
  -Gets a seven day forecast for a city based on zip code.

Operation: GetCityForecastByZIP Input		
Parameter Name:	Data Type	Sample Input
ZIP: Input a five digit zip code.	*String*	23320

Operation: VerifyEmail Output		
Parameter Name:	Data Type	Sample Output
Success: states whether the operational was successful.	*Boolean*	True
ResponseText: gives a response for the operation	*String*	City Found
State: tells which state the zip code is in	*String*	VA
City: states the city of the zip code	*String*	Chesapeake
WeatherStationCity: the city of the Weather Station where the information was gathered	*String*	Norfolk
Date: the date pertaining to the result	*DateTime*	2010-01-23T00:00:00

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WeatherID: ID that corresponds with current weather conditions	*Short*	2
Description: current weather condition	*String*	Partly Cloudy
Temperature-MorningLow	*String*	32
Temperature-DaytimeHigh	*String*	42
ProbabilityOfPrecipitation-Daytime	*String*	80
ProbabilityOfPrecipitation-Nighttime	*String*	10

▼ **GetCityWeatherByZIP**
   -Gets weather information for a city based on zip code.

Operation: GetCityWeatherByZIP Input		
Parameter Name:	Data Type	Sample Input
ZIP: Input a five digit zip code.	*String*	23320

Operation: GetCityWeatherByZIP Output		
Parameter Name:	Data Type	Sample Output
Success: states whether the operational was successful.	*String*	True
ResponseText: gives a response for the operation	*String*	City Found
State: tells which state the zip code is in	*String*	VA
City: states the city of the zip code	*String*	Chesapeake
WeatherStationCity: the city of the Weather Station where the information was gathered	*String*	Chesapeake
WeatherID: ID that corresponds with current weather conditions	*Short*	14
Description: current weather conditions	*String*	Cloudy
Temperature	*String*	43
RelativeHumidity	*String*	93
Wind: direction and speed	*String*	N9
Pressure	*String*	29.88R

▼ GetWeatherInformation

Operation: VerifyMXRecord Output		
Parameter Name:	Data Type	Sample Output
Weather ID: ID for current weather conditions	*Short*	1
Description: current weather conditions	*String*	Thunderstorms
PictureURL: image url for current weather conditions	*String*	http://ws.cdyne.com/WeatherWS/Images/thunderstorms.gif