

Comprehensive Weather Forecaster – Release Notes

Critical Information

This application requires an internet connection to fully operate. The current build does not require GPS connectivity. Text representations of locations are mapped to geo-coordinates in order to allow a user to query a legal location of their choosing.

Known Bugs

The currently employed method of location to coordinate mapping is far from satisfactory. In this release, legal locations and their respective geo-coordinates are 'hard coded' into the application – with the user's current selection stored in the Shared Preferences on the local device.

In previous releases the application queried the APIs using the phone's current location. This introduced two problems. When the application started on a device with no geo-location history, it would enter a non-responsive state until a geo-location was obtained. In addition to this, not every weather API accepted latitude and longitude as location parameters – some required the actual location name. The latter problem meant that the location for one API had to be explicitly specified by the user, while the others were dynamically determined.

Features for Next Release

A more preferable solution to obtaining geo-coordinates for location names would be to supply a location name to an API that would return the correct geo-coordinates. This way, future developers would simply need to maintain a list of textual location names that are legal for the specific API(s) that require textual locations.

It would also be possible to supply the user with a utility that would search for locations entered by the user in a text box. The text box could feature auto-completion with legal names. Once a legal location name has been obtained, the same reverse 'geo-location finding' procedure could be carried out.