

CS3249 User Interface Development

Team Name: dG

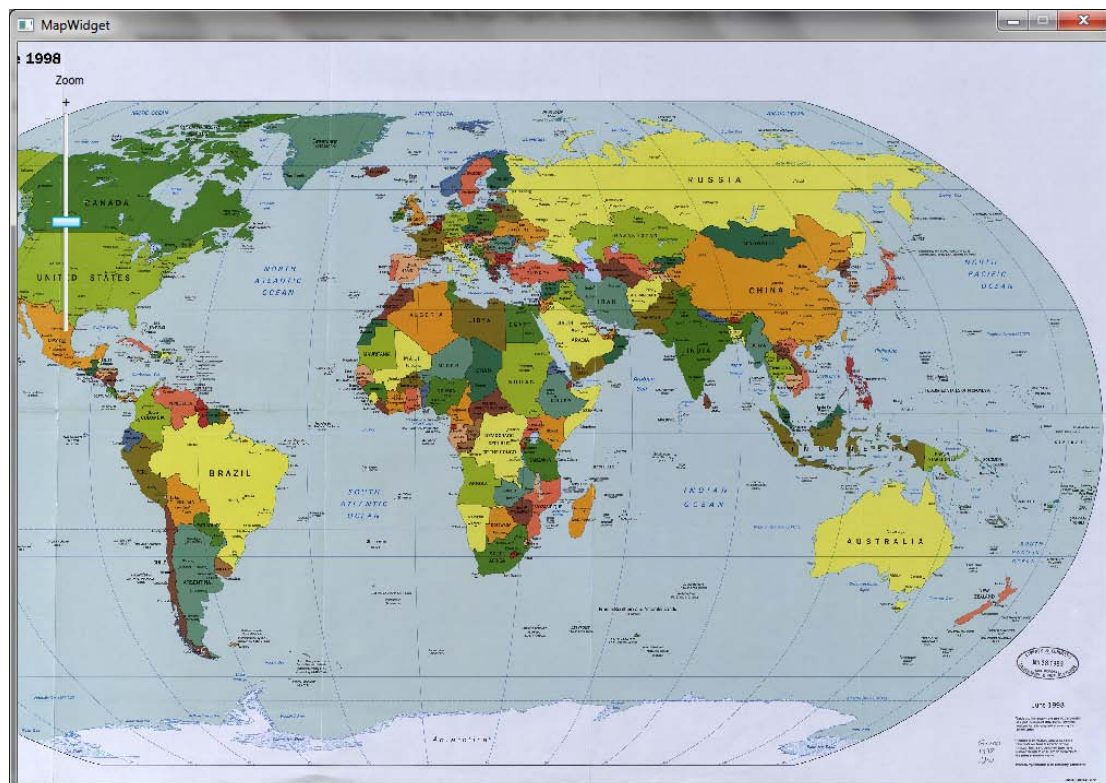
Team Members: Edwin Aw, Chong Mingxun, Ngin Guan Wei Brain

Project Title: Map Widget, Weather forecast

We will be focusing on adding functionalities to the map widget related to weather forecast. Generic functionalities will be added such as the weather forecast data can be replaced by any other data easily to suit the application needs. Examples of generic functionalities include drawing and overlaying icons/labels on the map, readjusting map coordinate values based on a text file in case the world map needs to be change and also the search functionality able to extend easily.

Current Progress:

- 1) Basic GUI and functionality implemented, able to display the map with the zoom and panning functions.
- 2) GUI includes slider bar for the zoom on top of the mouse wheel events.
- 3) Cities tracking functionality is done. Cities can now be tracked based on the longitudes and latitudes values on the map which will update from the mouse position on the map widget.



Todo list:

- 1) Display options for users to choose such as turning the display of the time/temperature on or off.
- 2) Color coding for the map. Painting map region when a region is highlighted/clicked and painting a different color for the other regions around it.
- 3) Include time/temperature data on the map for cities.
- 4) Add icons to replace some of the data such as the weather data for cities.
- 5) Search menu for easy search of cities or countries so that the map will be panned and zoomed to that city or country.