CS4398 Group 1

Data Structures Description

MainActivity: This class is the main activity which acts as the controller between the model classes (CurrentWeather and AlertDialogFragment) and the XML layout view. This class takes the city information the user chooses from the view and then makes an OpenWeathermapAPI call; The resulting JSON data is parsed and stored in the CurrentWeather object and shown in the view.

CurrentWeather: This class represents the current weather for a certain city. The data for this class is gathered from the OpenWeathermapAPI calls made from the MainActivity class.

AlertDialogFragment: This class contains the basic structure for an Android dialog fragment and is used for alerting error messages to the user.