Subject: Mobile Application Design

Lab 02
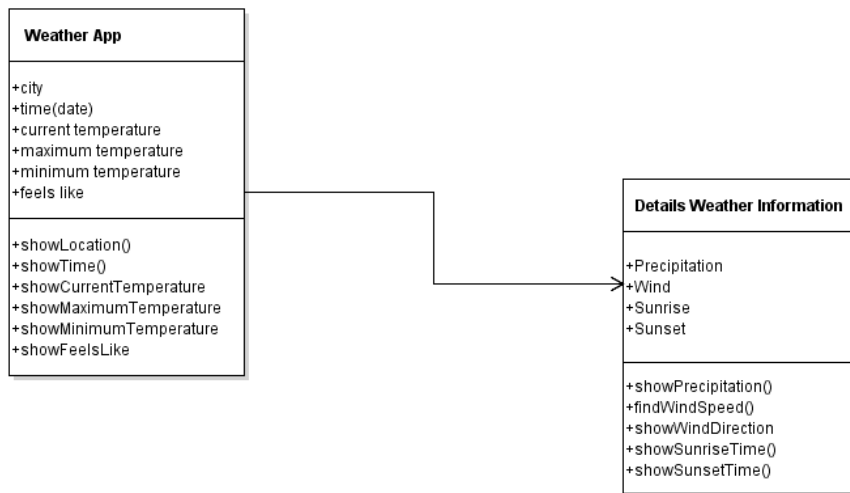
Class diagram

Group members

Kavitha Vijayan

Sonalben Chauhan

Android class diagram

Weather App

+city
+time(date)
+current temperature
+maximum temperature
+minimum temperature
+feels like

+showLocation()
+showTime()
+showCurrentTemperature
+showMaximumTemperature
+showMinimumTemperature
+showFeelsLike

Details Weather Information

+Precipitation
+Wind
+Sunrise
+Sunset

+showPrecipitation()
+findWindSpeed()
+showWindDirection
+showSunriseTime()
+showSunsetTime()

IOS class diagram

IOS Weather App

+city
+weather
+temperature
+time
+today's weather
+maximum temperature
+minimum temperature
+day temperature
+weekly temperature
+weekly weather

+showCity()
+showCurrentWeather()
+showCurrenttemperature()
+showTime()
+showToday'sWeather()
+showMaximumTemperature()
+showMinimumTemperature()
+showDayTemperature()
+showWeeklyTemperature()
+showWeeklyWeather()

IOS Details Weather App

+sunrise
+sunset
+chance of raining
+humidity
+wind
+feels like
+precipitation
+pressure
+visibility

+showSunriseTime()
+showSunsetTime()
+countChanceOfRain()
+findHumidity()
+calculateWindSpeed()
+showWindSpeed()
+showFeelsLike()
+showPrecipitation()
+calculatePressure()
+findVisibilty()