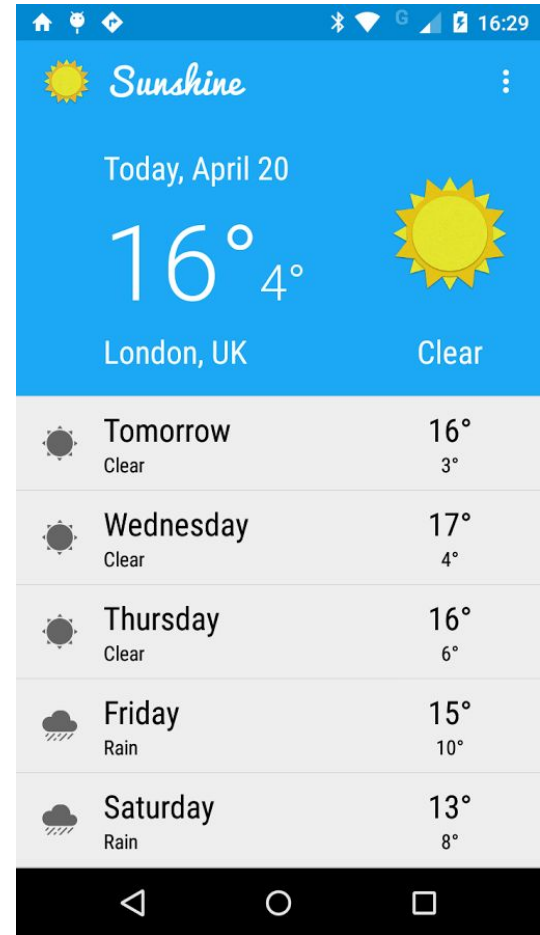# Android
Week Eight

Yehyun Ryu
UMN App Developers

This Week

- Polish UI Design
  - Add icons
  - Add colors
- Add Methods to Convert Data
  - Convert ids to images
  - Convert kelvin temperatures to celsius/fahrenheit
  - Convert time to date

Add Weather Icons

- Useful sites to get copyright-free icons
  - https://www.flaticon.com
  - https://material.io/icons
  - https://materialdesignicons.com
- Useful sites to get copyright-free images
  - https://pixabay.com
- Going to use this pack from FlatIcon
  - https://www.flaticon.com/packs/weather-104

Weather Conditions

- Open Weather Map API provides weather conditions in the form of integers ids
  - https://openweathermap.org/weather-conditions
- 2xx: Thunderstorm
- 3xx: Drizzle
- 5xx: Rain
- 6xx: Snow
- 7xx: Atmosphere
- 8xx: Clouds
- 9xx: Extreme

Add Other Weather Utils Functions

- Convert temperature to celsius or fahrenheit
- Format weather temperature
- Format weather description
- Format weather time

Change App Name and Color Theme

- Set the value of app_name in strings.xml to "MyWeather"
- Change color theme in colors.xml
  - http://www.color-hex.com

MyWeather

☀	**Today, 9:00 PM** Clear Sky	**0.0°** -2.5°	
☀	**Tomorrow, 12:00 AM** Clear Sky	**-1.7°** -3.6°	
☀	**Tomorrow, 3:00 AM** Clear Sky	**-9.6°** -10.9°	
☁	**Tomorrow, 6:00 AM** Few Clouds	**-13.3°** -13.9°	
☁	**Tomorrow, 9:00 AM** Broken Clouds	**-13.4°** -13.4°	
☀	**Tomorrow, 12:00 PM** Clear Sky	**-8.1°** -8.1°	
☁	**Tomorrow, 3:00 PM** Light Snow	**-2.3°** -2.3°	
☁	**Tomorrow, 6:00 PM** Light Snow	**0.2°** 0.2°	
☁	**Tomorrow, 9:00 PM** Light Snow	**-0.5°** -0.5°	
☁	**Tuesday, 12:00 AM**	**-1.2°**	

Next Week

- Intents
- Add a new Activity: SettingsActivity
- SharedPreferences