Android Week Five

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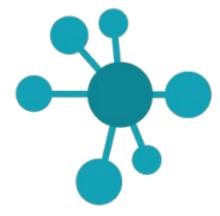
Last Week

- Open Weather Map API
- Networking
 - o Building URL
 - Establish HTTP Connection



This Week

- Networking
 - Read from Input Stream
 - o JSON
 - Parse JSON Response
 - Extract Data



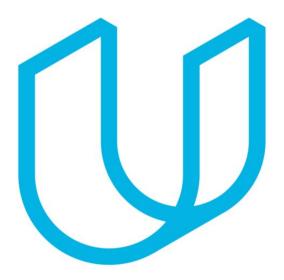
Read From Stream

- Input Stream
 - Sequence of bytes read from server
- Input Stream Reader
 - Convert bytes to characters
- Buffered Reader
 - Read a chunk of characters at a time to save time
- Charset
 - Specifies how to translate bytes into characters
 - o UTF-8



https://www.youtube.com/watch?v=CTz6gfx44II

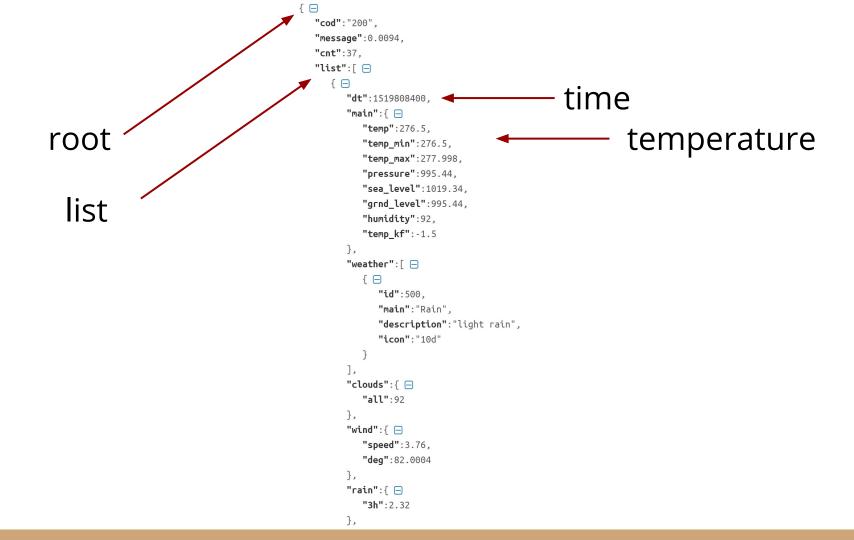
JSON



https://www.youtube.com/watch?v=0IOCgHrTIGU

Extract From JSON

- JSON Object
- JSON Array
- Time
- ID
- Temperature
- Description
- Pressure
- Humidity
- Wind Speed



Fetch Weather

Combine all methods together

- buildURL()
- makeHTTPConnection(url)
 - a. readFromStream
- extractFromJSON(jsonResponse)

Next Week

- Threading
- AsyncTasks

