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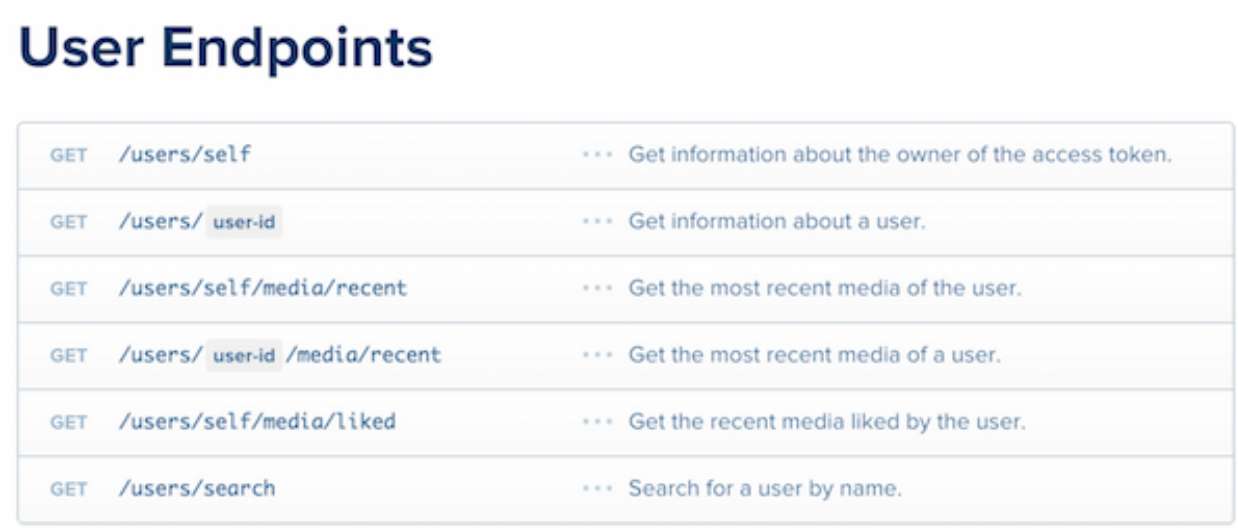
ITMD 562
Week 11 – Graduate Student Response

What would be a real life use case for when we'd want to use a RESTful API? Detail what aspects of the use case would make the RESTful API a good choice. You're encouraged to find actual examples of RESTful API's solving a need, but you can use a hypothetical use case if you'd prefer - just make sure you're talking about how a RESTful API is the better choice for your selected scenario.

Real life examples of RESTful API usage includes building web apps that utilize existing web apps. This is most beneficial because it is the easiest way to interact with a variety of APIs. For example, your personal website may display information from your favorite social media website, like Instagram, using GET requests. The variety of endpoints available allow easy access to recent posts which is common in a scrolling display on a website. You may choose to display the local weather by GETting data from a website like Weather Underground. There is a wide variety of information available and it is up to you which specific values to pull in.

Example Data from https://openclassrooms.com/en/courses/3432056-build-your-web-projects-with-rest-apis/3496011-identify-examples-of-rest-apis



Here's a sample request to ping Weather Underground's API for the current conditions in San Francisco:

```text
GET http://api.wunderground.com/api/Your_Key/conditions/q/CA/San_Francisco.json
```

Here's the JSON response from Weather Underground:

```json
{
  "response": {
  "version": "0.1",
  "termsofService": "http://www.wunderground.com/weather/api/d/terms.html",
  "features": {
  "conditions": 1
  }
  },
  "current_observation": {
  "image": {
  "url": "http://icons-ak.wxug.com/graphics/wu2/logo_130x80.png",
  "title": "Weather Underground",
  "link": "http://www.wunderground.com"
  },
  "display_location": {
  "full": "San Francisco, CA",
  "city": "San Francisco",
  "state": "CA",
  "state_name": "California",
  "country": "US",
  "country_iso3166": "US",
  "zip": "94101",
  "latitude": "37.77500916",
  "longitude": "-122.41825867",
  "elevation": "47.00000000"
  },
  "observation_location": {
  "full": "SOMA - Near Van Ness, San Francisco, California",
  "city": "SOMA - Near Van Ness, San Francisco",
  "state": "California",
  "country": "US",
  "country_iso3166": "US",
  "latitude": "37.773285",
  "longitude": "-122.417725",
  "elevation": "49 ft"
  },
```

and even more data