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Click or tap here to enter text.

**Using Mozilla Firefox is strongly recommended for this Activity because it can transform JSON responses into a human readable format.** (Raw Data > "Pretty Print") (#)*is**points for API and Time Zone questions.*

1. (5) What is sent via the API from one system to another? What is sent back?

API sends: Data to be processed or saved, instructions to carry out certain tasks, or requests for information are common examples.

Sent back: In addition to the requested data or important details, the answer to these inquiries may contain status codes that show whether the request was successful or not.

2. (5) Use api.agify.io to predict the age of a person using your given name and an ISO country code

API URL request:

JSON response:

3. (5) Use the time zone API request at worldtimeapi.org

API URL request:

JSON response:

4. (16)Using the above JSON data from worldtimeapi.org, fill in the JSON key / value pairs relating to the descriptions in the table below.

|  |  |  |
| --- | --- | --- |
| *See Response Schema* | JSON key | JSON value |
| UTC date/time in ISO8601 format |  |  |
| Unix UTC timestamp |  |  |
| Unix UTC to location difference |  |  |
| Location's daylight-saving time difference |  |  |
| Location date/time in ISO8601 format |  |  |
| How do you calculate the *location's* *timestamp* from the UTC timestamp using JSON keys? | *put your calculation  here* | *Calculated location timestamp value is:*  0000000000 |

**5.**  (5) How did you confirm that your location timestamp when converted to data/time was the same as the Location date/time in ISO8601 format in the JSON schema? Show your test and the result.

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SDLC – Software Development Life Cycle 54 points = 9 points × 6 items, 75+ words each

**Determine**:

**Define:**

**Design**:

**Develop:**

**Deliver**:

**D'oh**:

Software Version 5 × 2 points each

A.

B.

C.

D.

E.