API-Get Retrieving Results

1. Request an API-enable user for retrieving test results by emailing info@wvdl.wisc.edu. Please include a new email for the API enabled user. This user will only be used for API access.

2. Once you receive your login for your user, reset your password by navigating to https://dev.wvdl.labs.tracefirst.com or https://wvdl.labs.tracefirst.com and selecting "Forgot your password?". This needs to be done for both dev and productions environments.

3. Once you have received your account and password, you can navigate to https://dev.wvdl.labs.tracefirst.com/api_docs/index.html. This page gives an interface to view and test that API directly.

   We ask that all testing and development is performed within the DEV environment prior to moving to production.

   When your code is ready for production, the URLs are:
   https://wvdl.labs.tracefirst.com
   https://wvdl.labs.tracefirst.com/api_docs/index.html

   NOTE: All responses returned are in JSON format. The api_docs page also shows what the response code is for an accepted request.

4. To have access to any of the endpoints, you will need to create a token via a request to /api/v1/access_control/login. This will return the token needed for any other requests.

5. To get a list of all of your accessions, make a request to /api/v1/accessions. This will return an array of all the accessions in the system. You can use logic around this data to only work on the accessions that are relevant to your needs. Each item in this array will contain an 'id' that is needed to get the results for that accession.

6. Using the 'id' from the previous step, you can call the /accessions/{id}/all_test_results endpoint. This will give all the data and results for the accession.

7. Optionally, you can replace many of the different id fields from the previous request by querying other endpoints as needed. The last page of this document is a list of the more prevalent ids and the endpoints to get an alphanumeric value for them.

8. Once your work is done, please remember to end your session by submitting a request to /api/v1/access_control/logout.

Useful Endpoints

- **CREATE A TOKEN**
    - /api/v1/access_control/login

- **FIND ALL ACCESSIONS**
    - /api/v1/accessions

- **QUERY A SPECIFIC ACCESSION**
    - /accessions/{id}/all_test_results

- **TO ADD MORE INFORMATION FROM ACCESSION REQUEST (field_name - /endpoint)**
    - lab_id - /api/v1/locations/{id}
    - animals
        - breed_id - /api/v1/breeds/{id}
        - sex_codes_id - /api/v1/sex_codes/{id}
        - weight_uom_id - /api/v1/uoms/{id}
        - age_uom_id - /api/v1/uoms/{id}
    - specimens
        - specimen_type_id - /api/v1/specimen_types/{id}
        - transport_medium_id - /api/v1/transport_media/{id}
    - specimen_test_schedules
        - test_schedule_id - /api/v1/test_schedules/{id}
        - accessions_lab_section_id - /api/v1/lab_sections/{id}
        - test_results
            - canned_comment_id - /api/v1/canned_comments/{id}
            - specimen_test_schedule_id - /api/v1/test_schedules/{id}
            - test_result_definition_id - /api/v1/test_result_definitions/{id}

- **END A SESSION**
    - /api/v1/access_control/logout