RAML spec → https://github.com/MC-University/directory-xapi/blob/main/directory-xapi.raml
GitHub repository → https://github.com/orgs/MC-University/repositories
README.md → https://github.com/MC-University/directory-xapi#readme

Below are my commentaries for each of the use cases. More details shall be discussed on the presentation.

The API must be designed to support the following consumer use cases at a minimum:

1. A consumer may periodically (every 5 minutes) **consume** the API
    1. *Caching must be implemented*
        1. *TTL of 60 minutes*
        2. *Cache will be deleted after every Create, Update, or Delete transactions*
        3. *Cache will be replenished for every first GET all records after expiration of TTL or after deletion of cache.*
2. A mobile application used by customer service representatives that uses the API to retrieve and update the students details
    1. *Pagination must be implemented due to the display size of mobile devices*
    2. *After selecting a record, studentId will be appended as URI parameter. Submitted request will use the PUT method.*
    3. *Security like Client ID enforcement should be implemented*
3. Simple extension of the API to support future resources such as **books** and **sports**
    1. *Created resourceTypes and traits that can be utilized and reused for future resources such as books and sports*
4. Interesting design decisions
    1. *Like with API-led architecture, I also grouped the fragments to maximize reusability. They are grouped into commons, securities, and domain.*