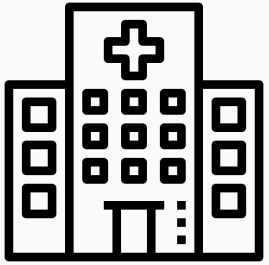
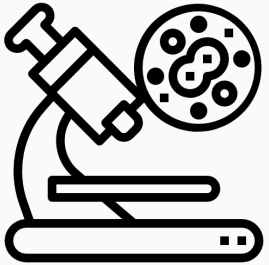
Digital Health Competition

Workshop 3

Resource Definition

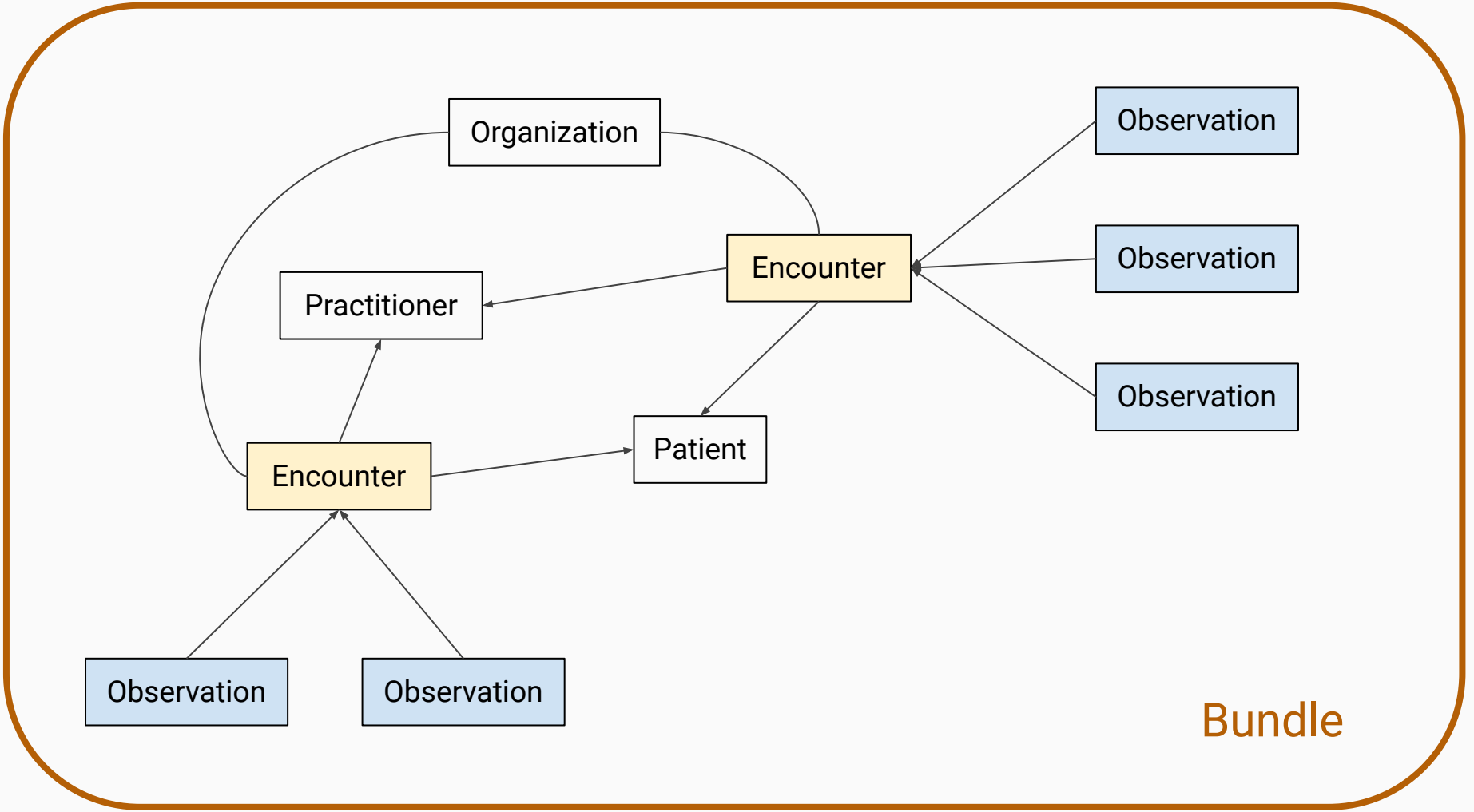
http://hl7.org/fhir/us/qicore/2018Jan/quick/overview-summary.html

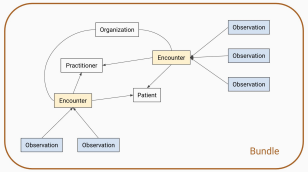


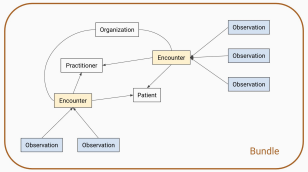


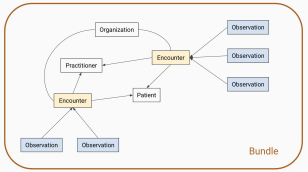
Dataset

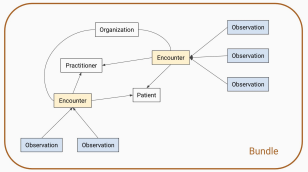
- No need for API calls
- The *id* attribute is unique here
- Organizations, Practitioners, Patients, Encounters, Observations, Bundles

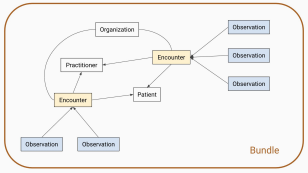

Organization
Observation
Encounter
Observation
Practitioner
Observation
Patient
Encounter
Observation
Observation
Bundle

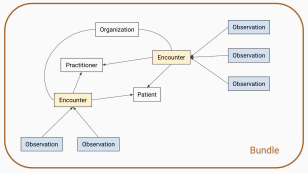

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

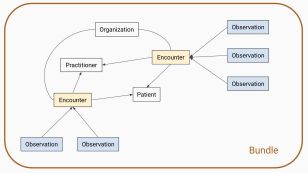

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

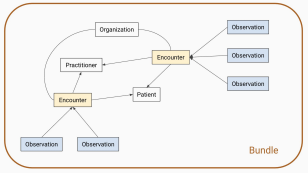

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

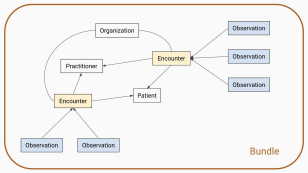

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

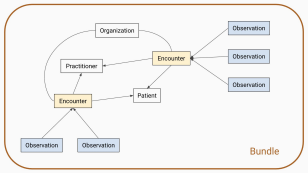

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

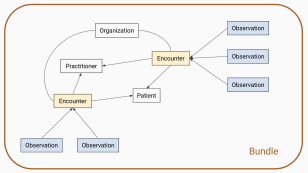

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

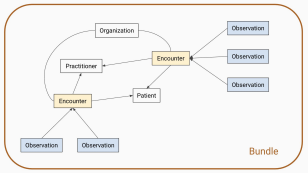

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

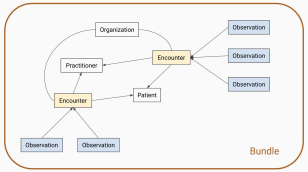

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

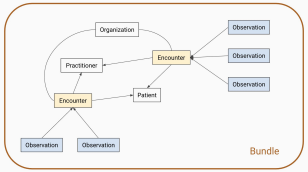

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

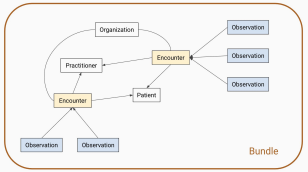

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

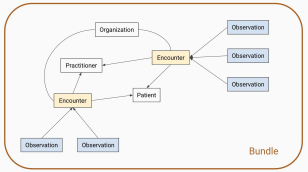

Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle


Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle


Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle


Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle


Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle


Organization
Practitioner
Encounter
Encounter
Patient
Observation
Observation
Observation
Observation
Observation
Bundle

Bundle

Problems

- 4 problems all linear time solvable

- Your program, input file of queries → Output file

- Input file and output file format

Submission Marking and Rankings

- Number of queries answered correctly
- Your program generating the submitted output
- Efficiency of your code for breaking ties
- ~~Submission time~~