Retro Raccoons
Covid-19 Reporting Tool

Demo

Why does it matter?

- Dangers of varying Covid-19 reporting methods.
- Existing systems for data interoperability are lacking
- Solution: Fast Healthcare Interoperability Resource (FHIR)
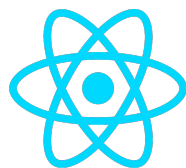
Key Decisions & Adjustments

- Used React + React Bootstrap over pure JavaScript, HTML & CSS
- Used /DocumentReference endpoint instead of /QuestionnaireResponse endpoint
- Created JSON format that closely matches format of given XML file
- Dropped requirement to explicitly test XML to JSON conversion

Decision Making

Testing

Acceptance Criteria

- UI for COVID-19 Reporting Form, based on provided XML
- Validation for the responses in the form
- The ability to POST form responses as JSON to the /DocumentReference endpoint of the HAPI FHIR server

What We Learned

- React Application
  - Working the front end
- **F**ast **H**ealthcare **I**nteroperability **R**esources
  - Data Model
  - REST API
  - 80:20 Rule - 20% is extended for specific use cases through the extension framework
- JEST
  - Testing results
- Developing as a team
  - Processes and accountability
  - The importance of running good meetings
  - How to do blameless reflections on what went wrong / could be improved

Learning Experience