CWE REST API Working Group Meeting – July 7, 2022

1) Call to order – recording
2) Agenda approval
3) Minutes approval
4) Regular order
   - Note – email list reflector: cwe-capec-rest-api-working-group-list@mitre.org
   - Note – GitHub: https://github.com/CWE-CAPEC/REST-API-wg
   - Note – CWE data response content: https://cwe.mitre.org/data/xsd/cwe_schema_latest.xsd
   - Note – Swagger: API Documentation & Design Tools for Teams | Swagger
   - Note – GraphQL and GraphQL Playground: https://graphql.org/
   - Steve C. & David R. previous structured formatting
   - Markdown for xhtml (this is pretty standard – html2text is an example of a converter) should be explored
     o No particular suggestions for Markdown schema
     o Could be used for code segments (xhtml to Markdown)
     o ASCII file pointer
     o Code snippets are examples which may not even be compileable
     o https://cwe.mitre.org/data/definitions/89.html
     o https://cwe.mitre.org/data/definitions/79.html
       ▪ ASCIIDOC plaintext formatting provided as example
     o **AI:** Steve C. to provide a collection of CWEs that might provide samples/examples of "extremes" for the issue
   - Continued prototype development and report out of IT meeting
     o Working on spec of API from MITRE
   - **AI:** Report out results of discussing voting with chair (Luke/Alec)
   - JSON review of Kent's version in meeting
     o Kent/Luke to prepare example of JSON
     o Generate list of nuances for schemas
     o Push openapi current goal spec
   - Use cases
     o Query for FULL database with REST (CWE or CAPEC), and
       ▪ Developer queries entire database and builds underlying derivatives as needed in the client
       ▪ MITRE has not implemented categories or views converted to JSON, at the moment
     o Full list of weaknesses
     o Individual IDs
     o List of IDs that match a category
     o List of IDs that match a view
     o List of IDs that contain specific value in a field (e.g., tech name = memory)
     o Parent ID of CWE
     o Meta data of all possible values for CWE field
     o Return entry Version and Timestamp of a particular db
     o Filter responses (elastic search investigation)
       ▪ Field (!)= XXX
       ▪ Field (not) contains YYY
     o List of new CWE entries between version releases (lower priority)

- List of new and modified CWE entries between version releases (lower priority)
  - Potentially return "delta doc" in codified syntax
  - Content history?
- List of new CWE entries between release dates (lower priority)
- List of new and modified CWE entries between release dates (lower priority)
  - Potentially return "delta doc" in codified syntax
  - Content history
  - Example: See "Modifications" in: https://cwe.mitre.org/data/definitions/89.html#Content_History
  - https://cwe.mitre.org/data/reports/diff_reports/v4.7_v4.8.html#detailed_difference_report

5) Action item review
   - Check GitHub for enhanced views of db content (all)
6) Adjourn