The background is a solid light orange color. In the center, there is a large orange trapezoidal shape representing a computer monitor. Below it is a small white rectangle representing a stand. To the left of the monitor is a light gray keyboard with white keys. Below the keyboard is a white circular mouse. In the bottom left corner is an orange smartphone. In the bottom right corner is an orange tablet with a white spine and a small orange pencil lying next to it. The title text is centered over the monitor and stand area.

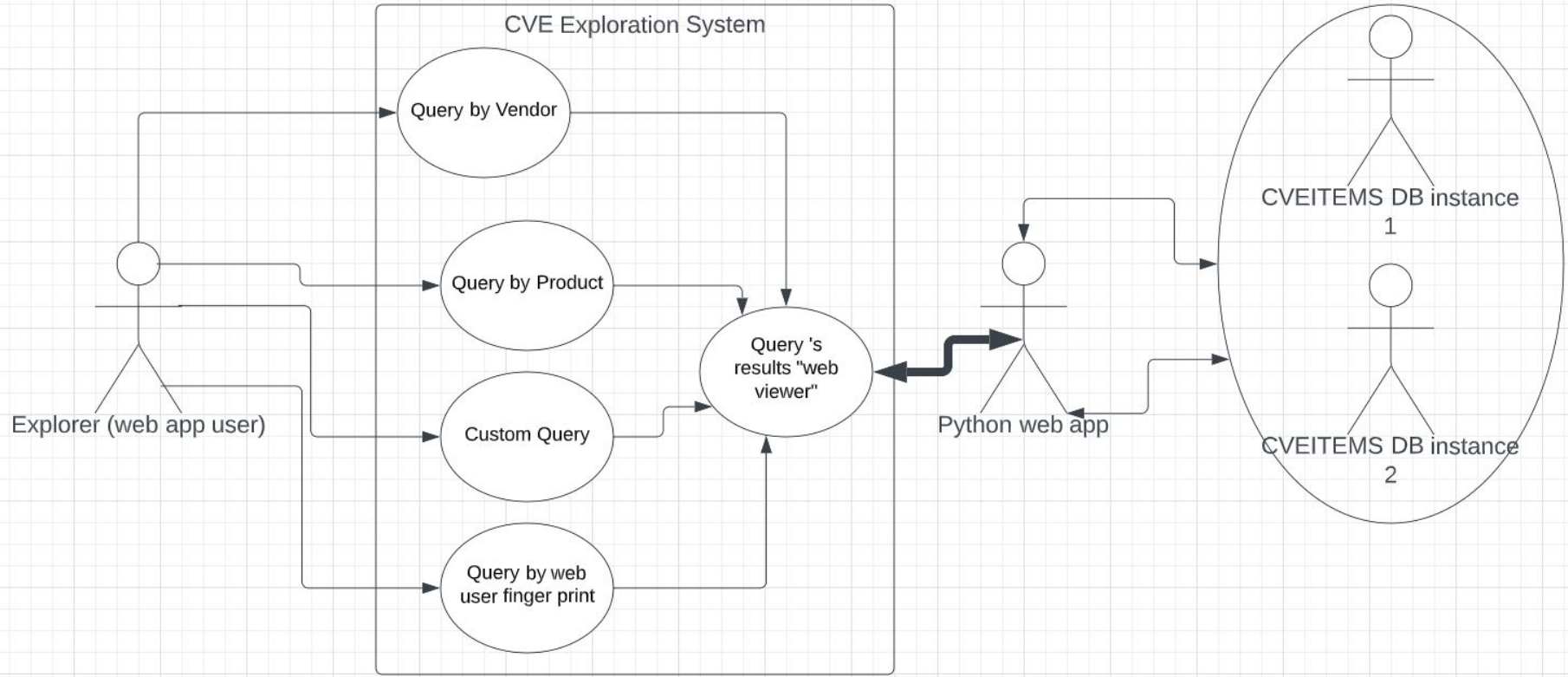
Common Vulnerabilities and Exposures (CVE)

Database Systems, Fall 2022
By: Luis Andrade, Abdias Tellez

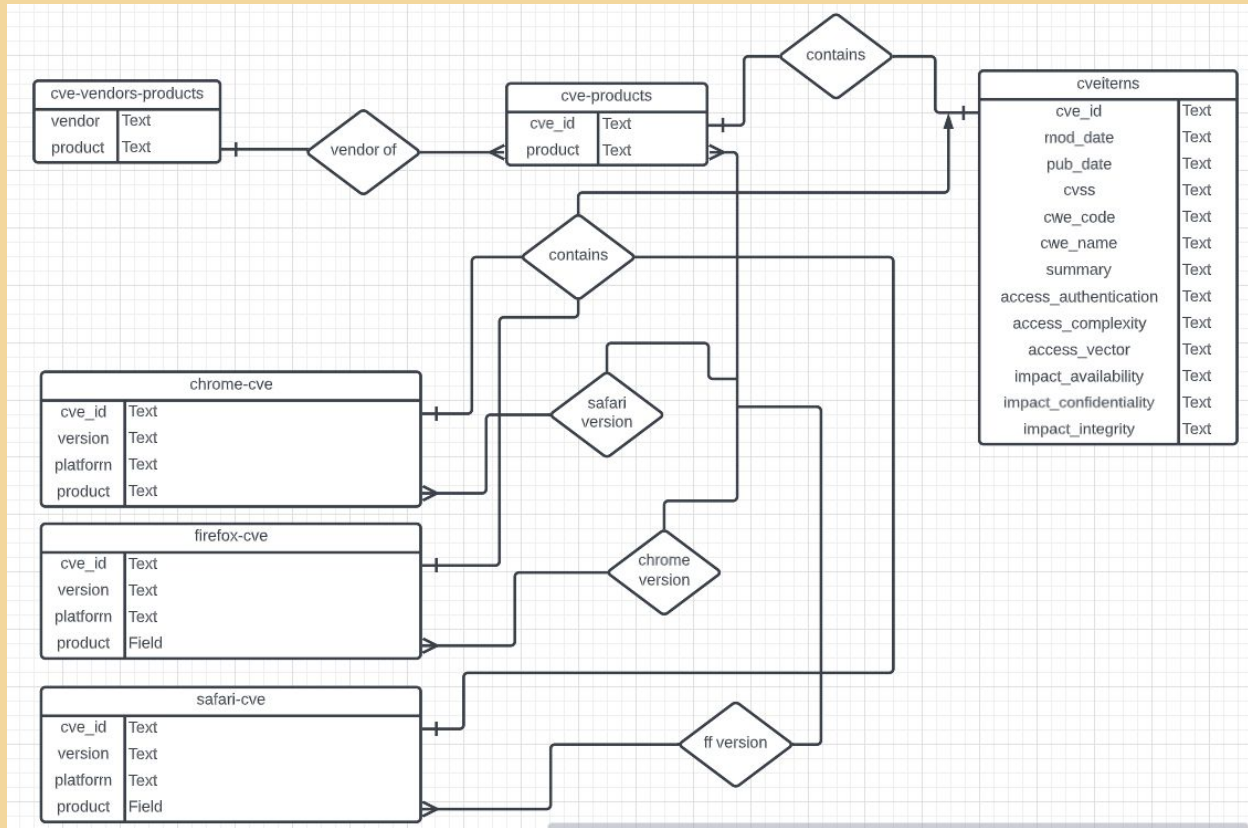


System Description

- The purpose of the web app is to explore the cve dataset.
- User can query by product.
- User can query by vendor.
- User can query by browser fingerprint.



Use Case Diagram



E/R Diagram & Schema

cve-vendors-products

- vendor
- product

cve-products

- cve_id
- product

cveitems

- cve_id
- mod_date
- pub_date
- cvss
- cwe_code
- cwe_name
- summary
- access_authentication
- access_complexity
- access_vector
- impact_integrity

chrome-cve

- cve_id
- version
- platform
- product

firefox-cve

- cve_id
- version
- platform
- product

safari-cve

- cve_id
- version
- platform
- product

Relational Schema



Environment/Languages

- Flask as web app framework
- GCP App Engine as server “backend”
- SQLite as DB
- Vanilla JavaScript to make async network requests to backend / API[s]