DOCUMENTATION **CVE SEARCH APP**

APPROACH:

1. I have used Flask (Python Framework) for this CVE Search Application
2. Initially, I got the API from NIST for its NVD
3. I created a constant value as NVD_API_KEY to store the API key and NVD_BASE_URL for the base url provided by NIST
4. I have defined a function query_nvd() where it gets the response using the request module with get() method where the NVD_BASE_URL is provided as parameter,
5. Then, I have defined a function called index() that renders the “index.html”
6. The search_cve_api() takes in the “cveId” and checks the vulnerabilities list index[0] That gives us the values related to CVE.
7. We return the final values using the “jsonify()” the values are returned as json objects
8. The list_cves_api() function lists the fetched CVEs informations.
9. Initially 10 records are fetched then when clicked next next 10 records are fetched.

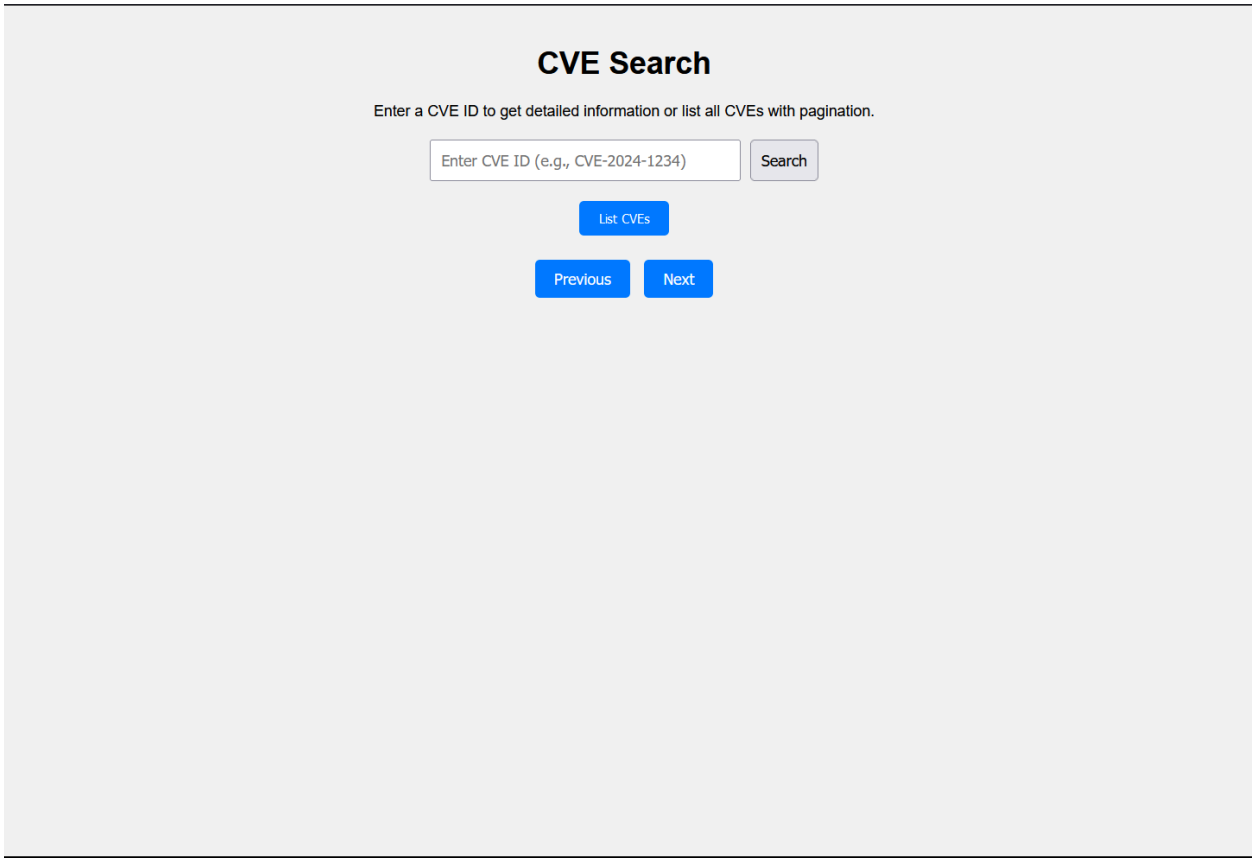
CHALLENGES FACED:

1. I faced challenges when I tried to dump all the data into the Local SQLite database.
2. I did declare models.py but I could not accomplish dumping cve_details.db

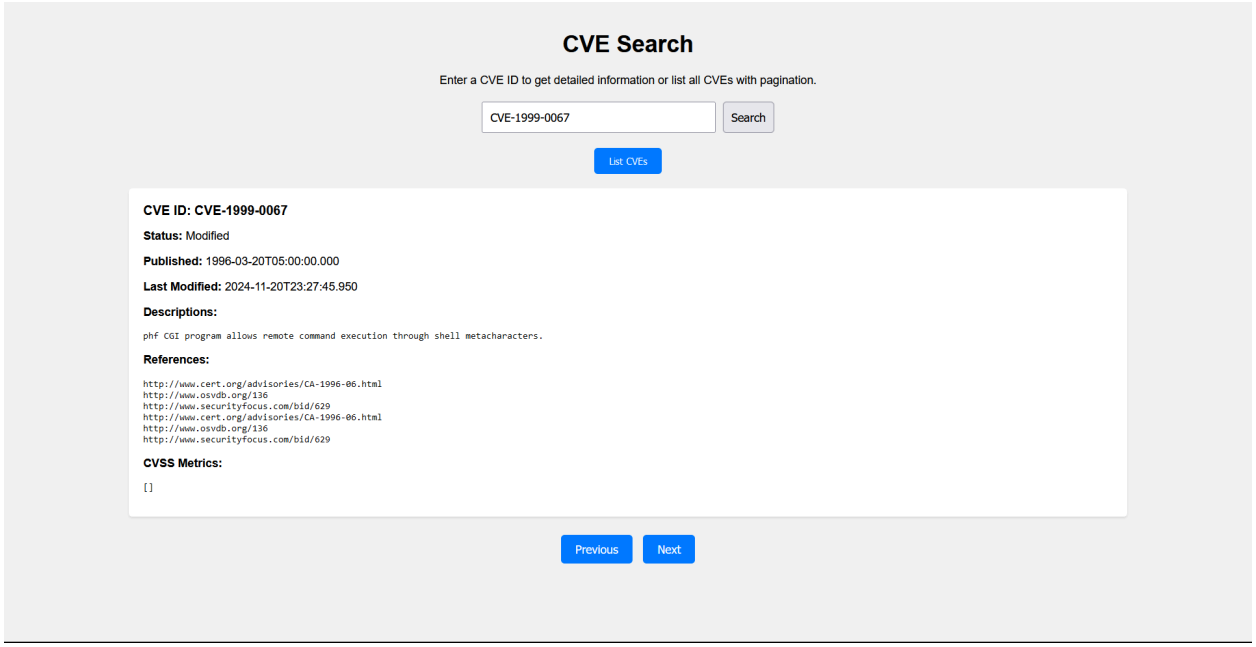
RESULT

1. Successfully fetched the Specific Information on CVE IDs.
2. Successfully listed the fetched data 20 per page and I have implemented Pagination.
3. Tried to write clean and efficient code as possible.

SCREENSHOTS



INDEX.HTML



CVE SEARCH RESULT

CVE ID: CVE-1999-0095

Status: Modified

Published: 1988-10-01T04:00:00.000

Last Modified: 2024-11-20T23:27:50.607

Descriptions:

The debug command in Sendmail is enabled, allowing attackers to execute commands as root.
El comando de depuración de Sendmail está activado, permitiendo a atacantes ejecutar comandos como root.

References:

http://seclists.org/fulldisclosure/2019/Jun/16
http://www.openwall.com/lists/oss-security/2019/06/05/4
http://www.openwall.com/lists/oss-security/2019/06/06/1
http://www.osvdb.org/195
http://www.securityfocus.com/bid/1
http://seclists.org/fulldisclosure/2019/Jun/16
http://www.openwall.com/lists/oss-security/2019/06/05/4
http://www.openwall.com/lists/oss-security/2019/06/06/1
http://www.osvdb.org/195
http://www.securityfocus.com/bid/1

CVE ID: CVE-1999-0082

Status: Modified

Published: 1988-11-11T05:00:00.000

Last Modified: 2024-11-20T23:27:48.337

Descriptions:

CWD ~root command in ftpd allows root access.

References:

http://www.alw.nih.gov/Security/Docs/admin-guide-to-cracking.101.html
http://www.alw.nih.gov/Security/Docs/admin-guide-to-cracking.101.html

CVE ID: CVE-1999-1471

Status: Modified

Published: 1989-01-01T05:00:00.000

Last Modified: 2024-11-20T23:31:11.753

Descriptions:

Buffer overflow in passwd in BSD based operating systems 4.3 and earlier allows local users to gain root privileges by specifying a long shell or GECOS field.

References:

http://www.cert.org/advisories/CA-1989-01.html
http://www.iss.net/security_center/static/7152.php
http://www.securityfocus.com/bid/4
http://www.cert.org/advisories/CA-1989-01.html
http://www.iss.net/security_center/static/7152.php
http://www.securityfocus.com/bid/4

CVE ID: CVE-1999-1122

Status: Modified

CVE LIST RESULT