Assignment # 4 (Web Engineering)

(CLO-3 Marks: 10, CLO-4: Marks:10)

Please make sure that all the websites you choose are different from the selection of other students.

1. Install the following website vulnerability scanner tools.
   i.   **Vega**   (https://subgraph.com/vega/download/index.en.html)
2. Scan **3 Random websites** using the Vega tool.
3. Every student must select unique websites and there should be no duplication.
4. 100 % scanning for each website using the tool is mandatory and so you must provide a snapshot of the scan completion screen. **Note**: the scanned pages must be more than 20.
5. The scan reports for each website are the deliverables for this task. As there is no reporting feature available in Vega, detailed snapshots/screen captures can be submitted in a .doc file.
6. Please note that the snapshots/screen captures should be clear and showing all the found vulnerabilities. For each website you only need to document **top 3 high level vulnerabilities**.

Based on the scan reports, fill in the following tables

URL	Total pages scanned	Number of high vulnerabilities	High vulnerabilities (text)

Q2: Discuss the found vulnerabilities in terms of Web Content Accessibility Guidelines (WCAG 2.1) and describe any potential solutions or precautions to avoid the vulnerabilities.

Deadline: 29-06-2022