

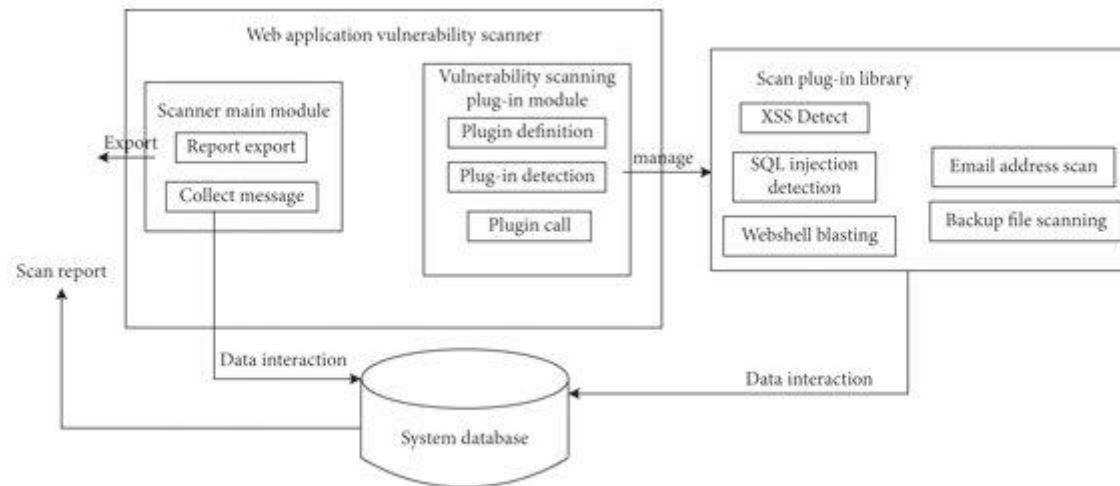
Project Design Phase-II

Data Flow Diagram & User Stories

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Team ID	Team-591507 (10.3)
Project Name	Web Scanner

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority
Customer	Dashboard	USN-1	As a user, I want to be able to input a website's URL so that I can initiate a vulnerability scan.	There should be a text input field on the homepage where I can enter the website's URL. There should be a "Scan" button that I can click to initiate the scan.	High
		USN-2	As a user, I want to receive a confirmation after initiating a scan so that I know the system has received my request.	After clicking the "Scan" button, I should receive a confirmation message indicating that the scan request has been received and is being processed.	Low
	Progress window	USN-3	As a user, I want to view the progress of my scan so that I can estimate the time remaining for the scan to complete.	There should be a progress bar or indicator visible on the user interface showing the progress of the scan. The progress should be updated in real-time as the scan progresses.	Medium
	Report	USN-4	As a user, I want to receive a detailed report of the vulnerabilities found on the website after the scan is completed.	After the scan is completed, I should receive a downloadable PDF report detailing the vulnerabilities found, their descriptions, potential risks, and recommended actions to mitigate them.	High
		USN-5	As a user, I want to receive email notifications upon completion of a scan so that I can promptly review the results.	Users should have the option to provide an email address for notifications. After the scan is completed, an email containing a summary of the scan results and a link to the detailed report should be sent to the user.	Low
	Dashboard	USN-6	As a user, I want to schedule recurring scans for my website so that I can regularly monitor its security status.	Users should be able to set the frequency (daily, weekly, monthly) and preferred time for recurring scans. The system should automatically initiate scans based on the user's specified schedule and send notifications upon completion.	Medium

Customer	Custom settings	USN-7	As a user, I want the option to configure advanced scan parameters such as custom plugins and specific ports to scan so that I can tailor the scan to my website's unique configuration.	<p>Users should have access to an advanced settings section where they can customize scan parameters.</p> <p>Options for custom plugins, specific ports, and additional scan configurations should be available for users with advanced requirements.</p>	High
	Analytical Dashboard	USN-8	As a user, I want to view graphical representations of scan results, such as charts and graphs, so that I can quickly grasp the overall security status of my website.	<p>The system should generate graphical representations of scan data, such as charts displaying the distribution of vulnerabilities by severity level.</p> <p>Users should be able to view these visualizations within the report, providing an intuitive understanding of their website's security posture.</p>	Medium
Administrator	Admin Dashboard		As an administrator, I want to view a history of past scans and their results so that I can track the security posture of the scanned websites over time.		High