

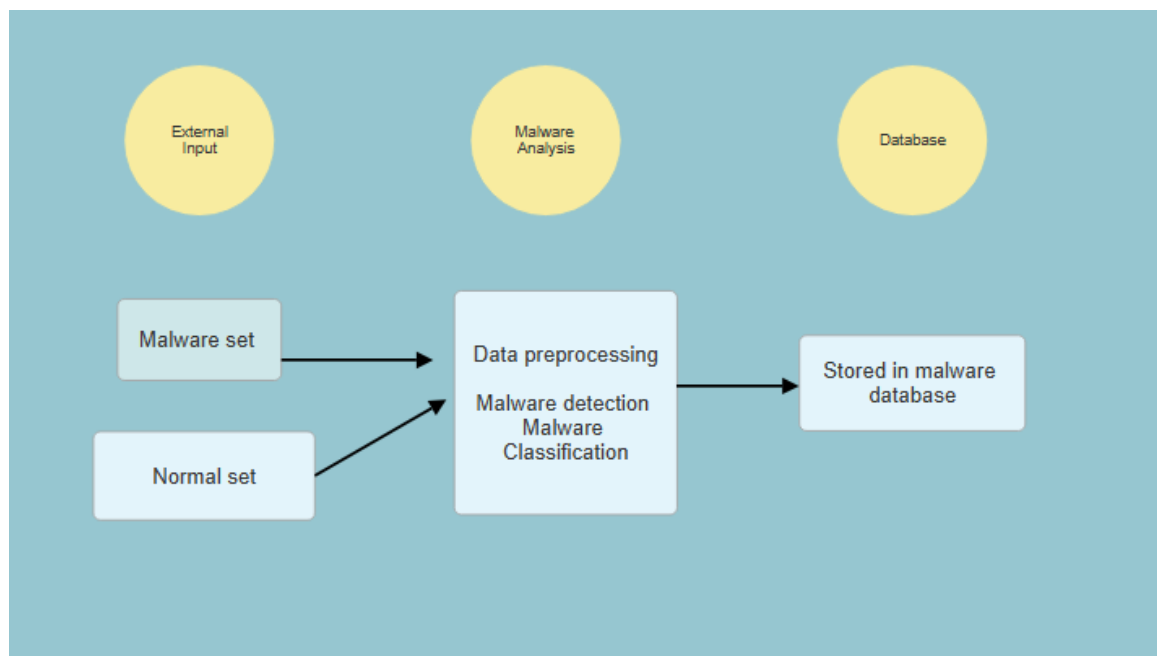
Project Design Phase – II

Data Flow Diagrams & User Stories

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Project Name	Malware Detection and Classification
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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	Release
Cyber Security Analyst	Malware Analysis	US001	As a Cyber Security Analyst, I want to analyze and classify malware threats for further investigation and response.	<ul style="list-style-type: none"> I can access detailed information about a detected malware threat. I can run diagnostic tools to analyze the malware's behavior. I can classify the malware into specific threat categories. 	High	Sprint-1
Administrator	Malware Management	US002	As an Administrator, I want to be able to view and manage malware threat reports to maintain the security of our systems.	<ul style="list-style-type: none"> I can access a dashboard that displays real-time malware threat alerts. I can categorize and prioritize malware threats based on severity. I can mark malware threats as resolved or escalate them for further analysis. 	High	Sprint-2
Administrator	User Management	US003	As an Administrator, I	<ul style="list-style-type: none"> I can create, edit, and 	Medium	Sprint-3

			want to manage user access to the Malware Detection and Classification system to ensure the right individuals have access.	<p>delete user accounts with different access levels.</p> <ul style="list-style-type: none"> • I can reset user passwords and control their permissions. • I can view user activity logs for auditing purposes. 		
Customer Care Executive	Customer Support	US004	As a Customer Care Executive, I want to be able to assist customers who report potential malware issues on their mobile or web devices.	<ul style="list-style-type: none"> • I can access a user's malware report. • I can communicate with the customer for additional information or guidance. • I can provide feedback to the customer on the status of their malware report. 	High	Sprint-4
Customer (Mobile User)	Mobile App Integration	US005	As a customer using a mobile app, I want an integrated malware detection feature that protects my device and data.	<ul style="list-style-type: none"> • I can initiate a malware scan from the mobile app. • I receive real-time alerts and instructions if malware is detected. 	High	Sprint-5

				<ul style="list-style-type: none"> I can access a malware report for any detected threats. 		
Customer (Web User)	Web Interface	US006	As a customer using a web application, I want an intuitive interface for accessing malware detection and classification services.	<ul style="list-style-type: none"> I can easily submit files or URLs for malware scanning. I can view my malware reports and their classifications. I can access guidance on resolving malware issues. 	High	Sprint-6
Customer (Web User)	Malware Alert Notifications	US007	As a customer using a web application, I want to receive instant notifications in case of malware detection.	<ul style="list-style-type: none"> I can choose to receive email or mobile app notifications. Notifications provide a brief description of the detected malware. I receive guidance on the next steps to address the issue. 	High	Sprint-7
Customer (Web User)	Customer Account Dashboard	US008	As a customer using a web application, I want access to a dashboard where I can manage my	<ul style="list-style-type: none"> I can create and manage my user account. I can view the history 	Medium	Sprint-7

			account and view malware reports.	<div>of malware reports, including their classifications.</div> <ul style="list-style-type: none">• I can reset my password or update account information.		
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