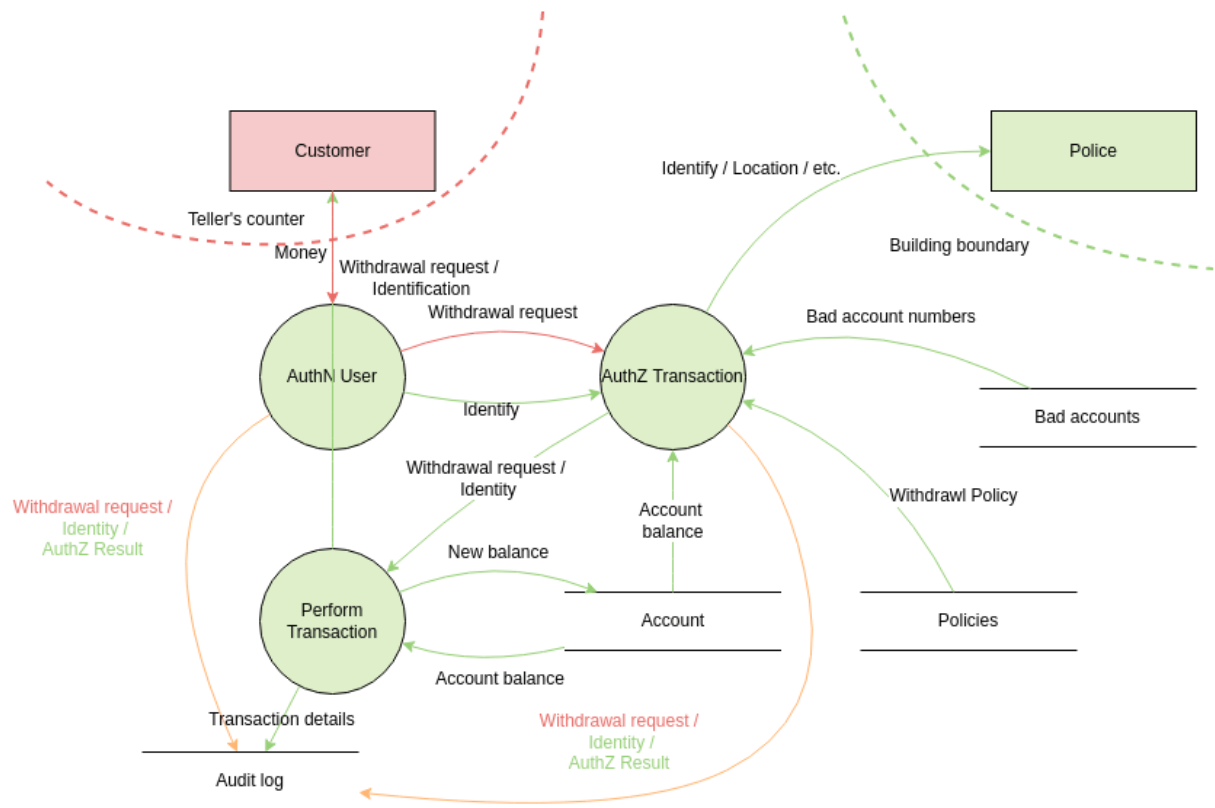


- **Data Flow Diagram:**

A Data Flow Diagram (DFD) visually maps the flow of information and data within a system, helping to understand cybersecurity threats and solutions by illustrating how data moves and is processed.

Example DFD Elements and their Cybersecurity Implications:

Element	Description	Cybersecurity Implications
External Entity	Represents a source or destination of data outside the system	Threat: Unsecured external entities can be entry points for malicious actor. Solution: Implement security measures like firewalls, intrusion detection systems, and access controls to protect external interfaces.
Process	Represents a transformation or operation on data	Threat: Vulnerabilities in processes can lead to data breaches or system compromise. Solution: Implement secure coding practices, vulnerability scanning, and regular security audits.
Data Store	Represents a place where data is stored	Threat: Data stores can be targets for data breaches or theft. Solution: Implement strong access controls, encryption, and regular backups to protect data stores.
Data Flow	Represents the movement of data between elements	Threat: Unauthorized data flow can lead to data breaches or unauthorized access. Solution: Implement access controls, encryption, and monitoring to protect data flow.



Data Flow Diagram