**Transaction management System**

# Requirement

Requirements for an Transaction management system typically fall into three categories: functional requirements, non-functional requirements, and technical requirements.

# Functional Requirements

Features and capabilities a transaction management system should have the intended purpose is called functional requirements. Some functional specifications for a transaction management system are shown Below.

* Viewing the list of orders received by clients

Admins can View the full list of orders received by clients. then they can generate reports from it.

* Transaction monitoring

The system should allow employees to clock in and out, track their hours worked, and manage their time off. The system provide the punch process for marking attendance and calculate the work hours. Furthermore , can apply for leave.

* Transaction Reporting

The system ought to be able to produce reports on transactional operations, including the volume, frequency, kind, and status of transactions.

* Payment Processing

Payments should be processed by the system using a variety of payment mechanisms, including credit/debit cards.

# Non-Functional Requirements

Software systems that involve transactions, such banking systems, e-commerce platforms, and database applications, must carefully handle their transactions. The following are examples of non-functional transaction management requirements:

* Performance

Software systems that involve transactions, such banking systems, e-commerce platforms, and database applications, must carefully handle their transactions. The following are examples of non-functional transaction management requirements:

* Reliability: The system must be dependable and offer assurances that transactions are handled properly. To enable traceability and error analysis, the system must be able to recover from errors and offer means for auditing and logging transactions.

* Security: All transactions ought to be secure and shielded from unauthorized access, according to the system. To prevent unwanted access to the system, transactions should be encrypted, and suitable authentication and authorization methods should be in place.

* Maintainability: Maintainability refers to how easy it is to maintain and update the system over time. The system should be designed with a modular and extensible architecture, allowing updates and changes to be made without affecting the rest of the system.

# Technical Requirements

Transaction management is the process of ensuring that a group of related database operations are executed in a reliable and consistent manner, such that either all of the operations are executed successfully, or none of them are executed at all. This is achieved by using a variety of technical requirements, including:

* Laptop/Desktop
* Printer
* Scanner