

4.4 System Design

4.4.1 Conceptual Model

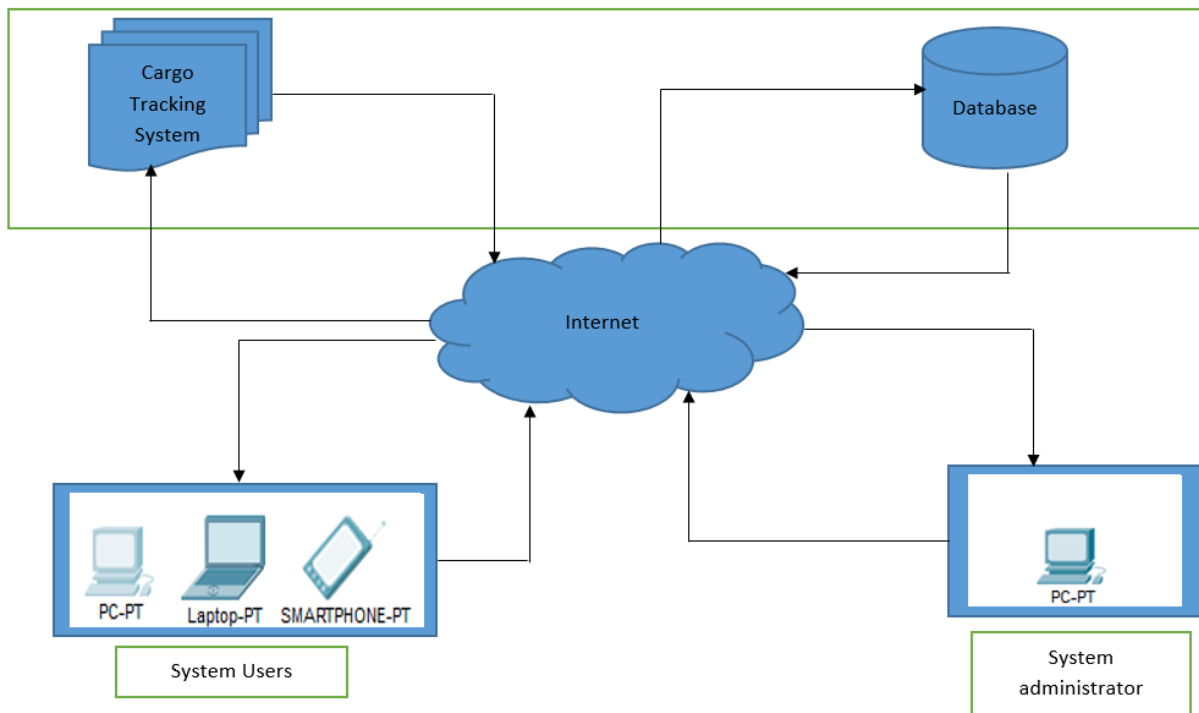


Figure 4.4.1 Conceptual Model

4.4.2 Use case model

This is a high-level representation of how the system functions. It comprises of actors, the various use cases and their relationships.

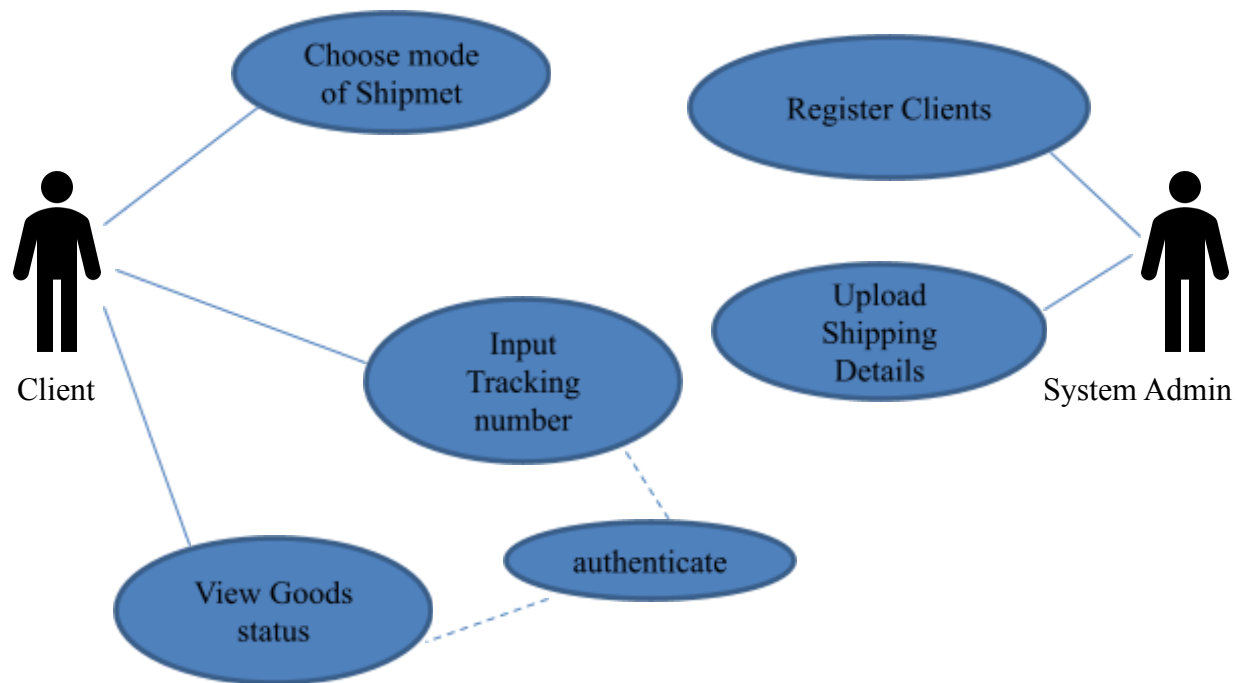


Figure 4.4.2 Use case model

4.4.3 Functional decomposition Diagram

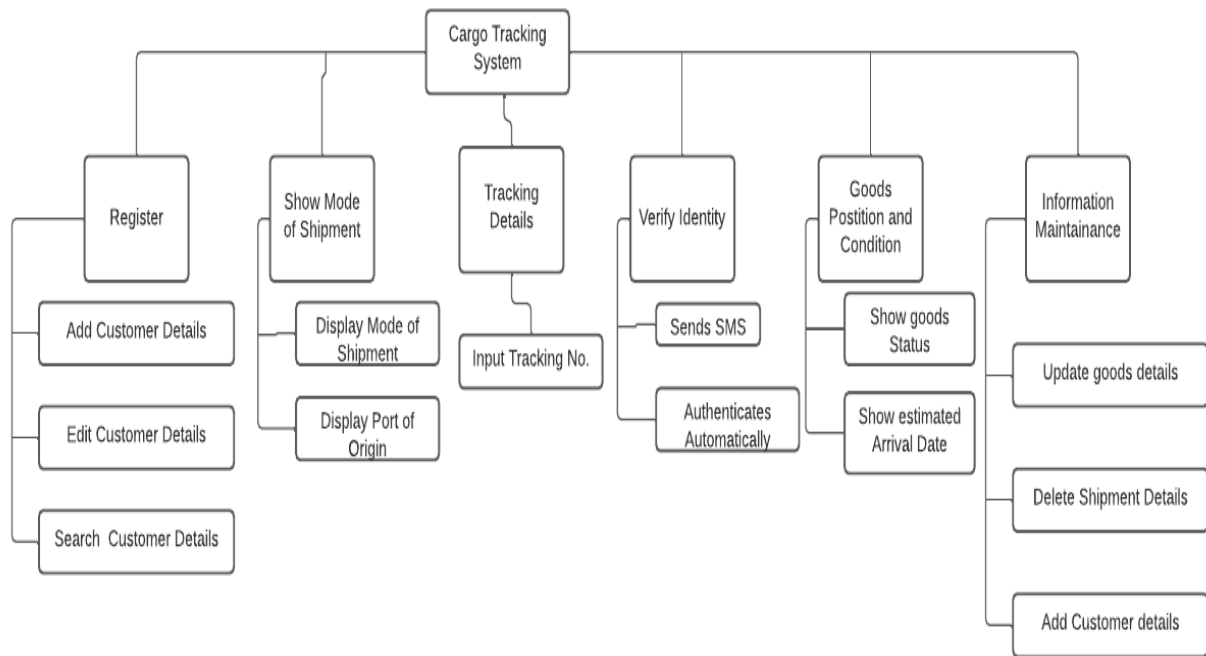


Figure 4.4.3 Functional decomposition Diagram

4.4.4 Context Diagram

The context diagram below shows the entire system including inputs, outputs and other factors within which it operates.

This system is made up of two main external entities:

1. System Admin
2. Customers

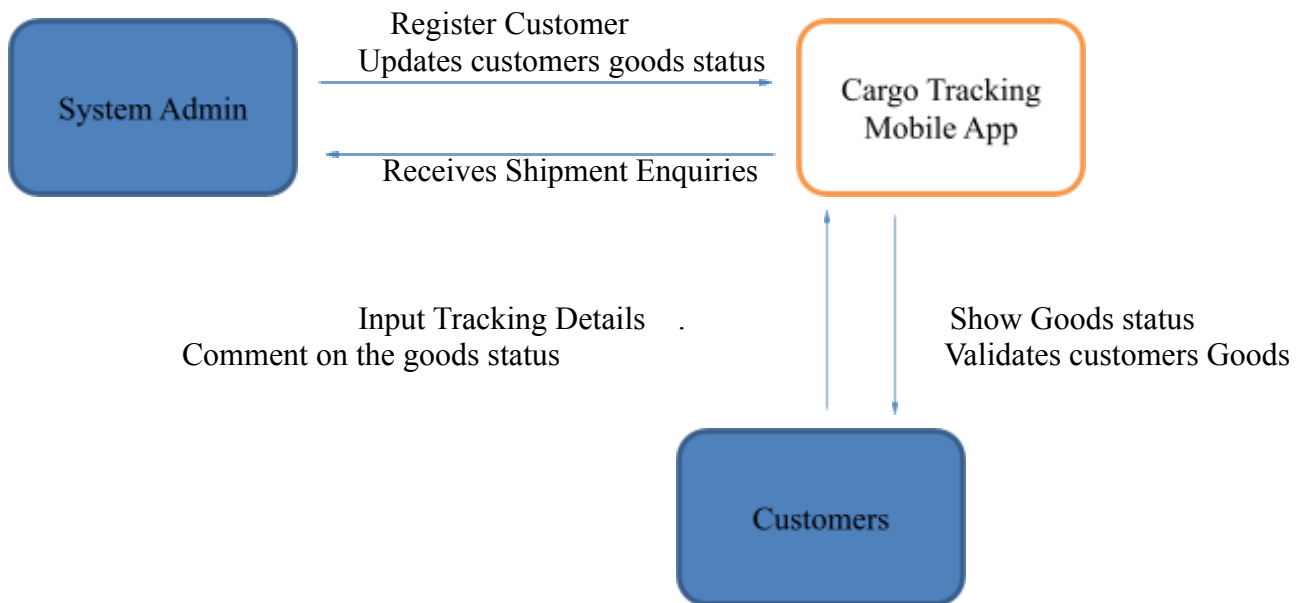


Figure 4.4.4 Context Diagram

4.4.5 Data Flow Diagram

4.4.5.1 User dataflow diagram

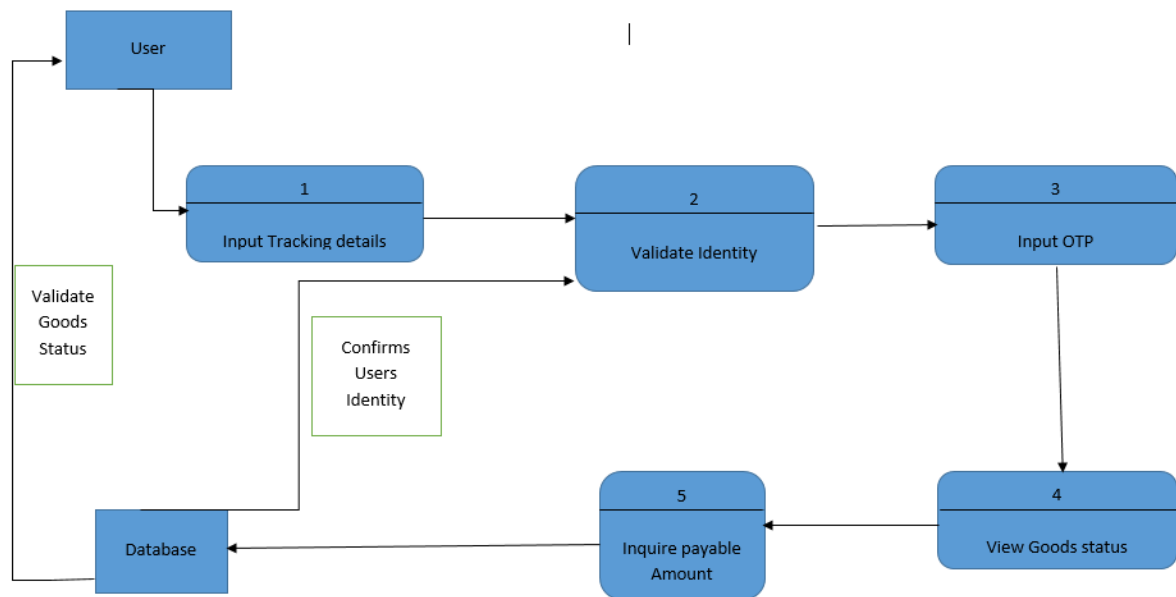


Figure 4.4.5.1 User dataflow diagram

4.4.5.2 System Admin dataflow diagram

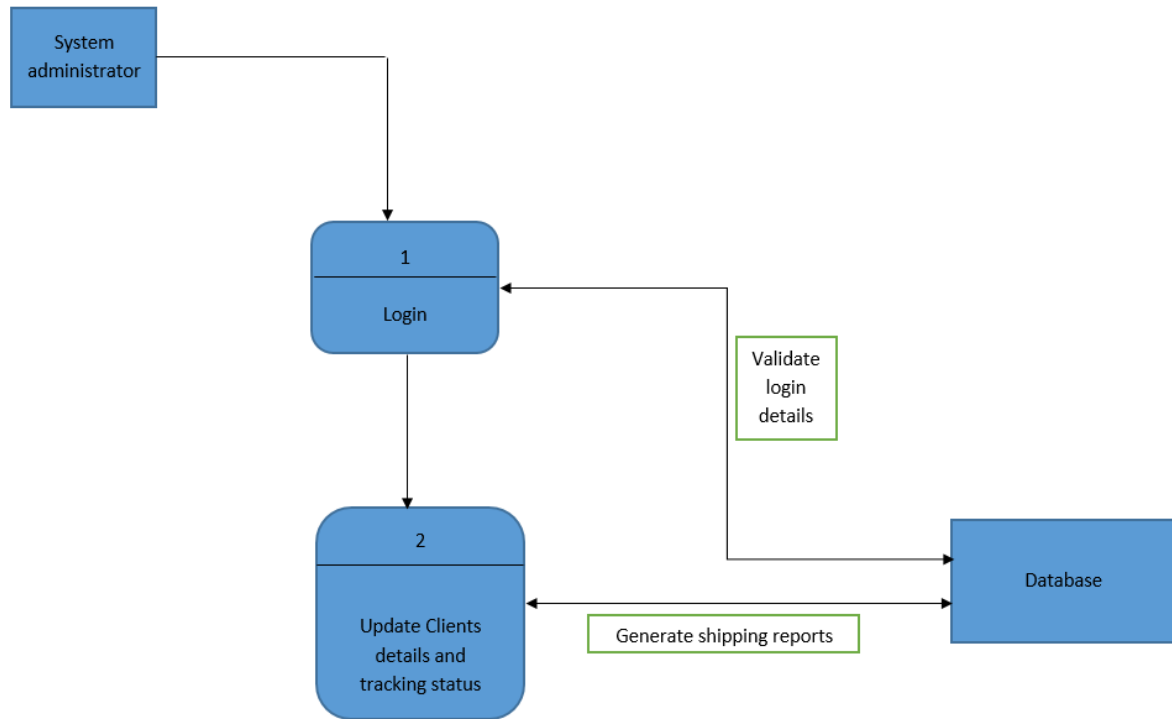


Figure 4.4.5.2 System Admin dataflow diagram

4.4.6 System Flowcharts

4.4.6.1 Clients Flowchart

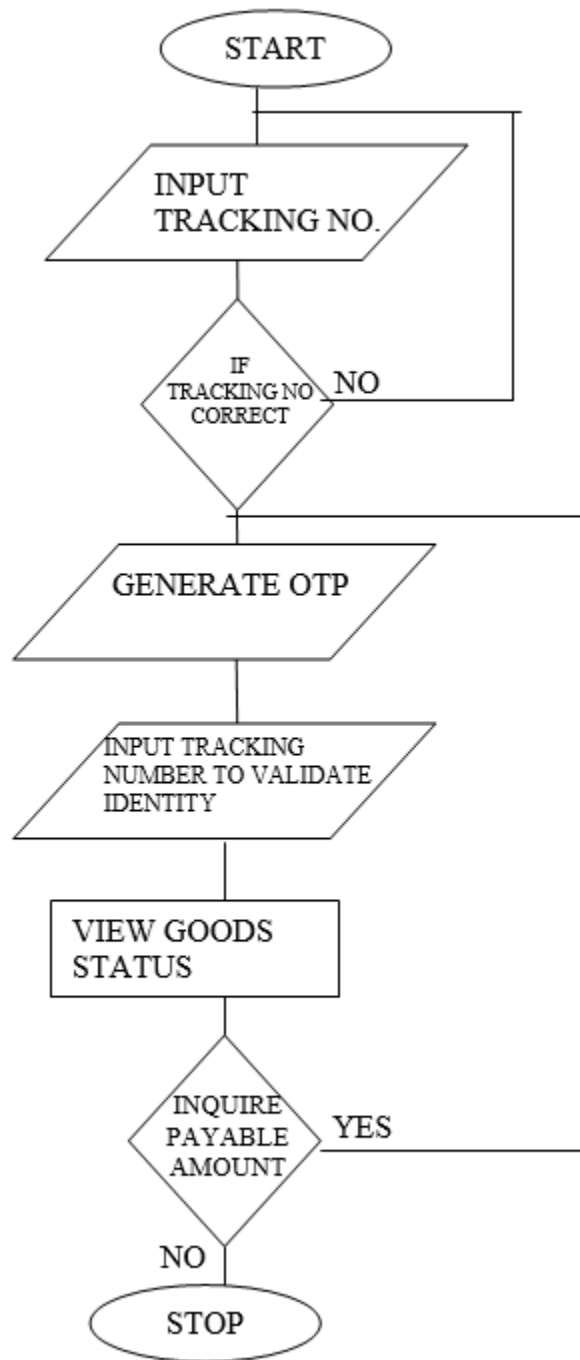


Figure 4.4.6.1 Clients Flowchart

4.4.6.2 System Administrator Flowchart

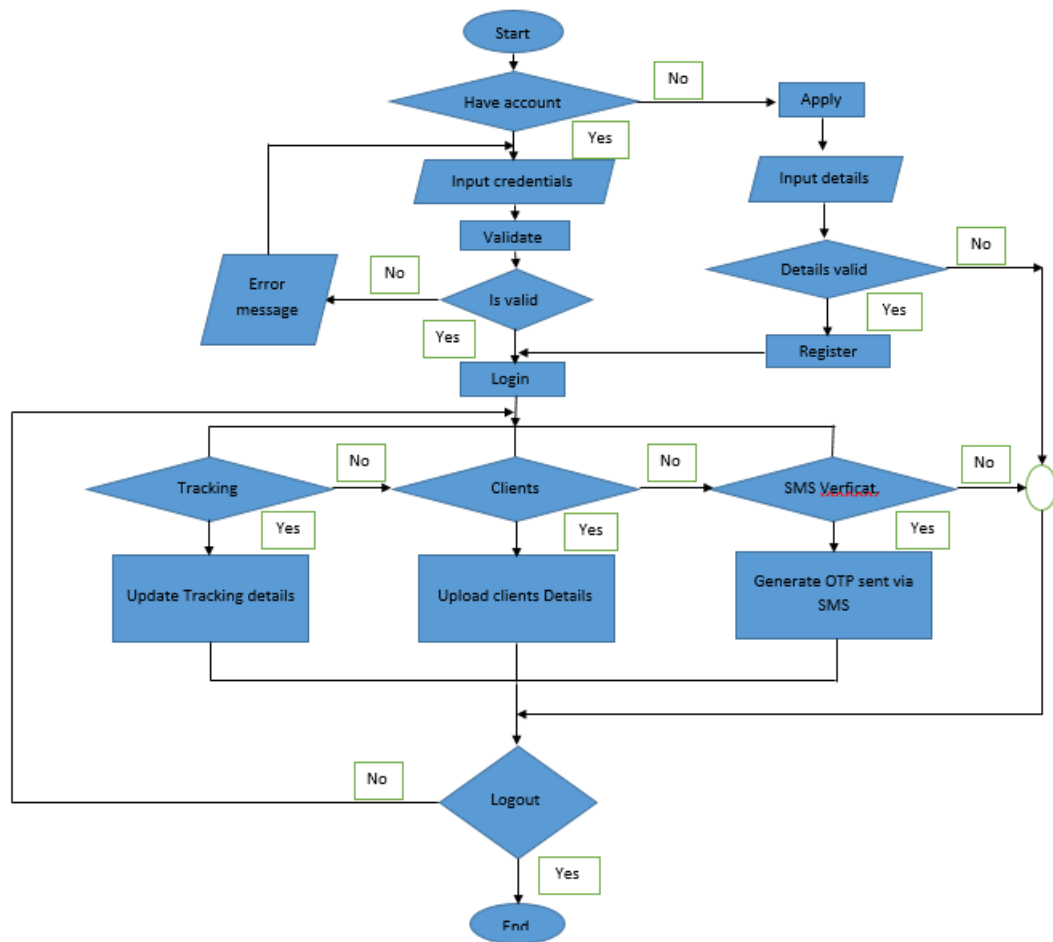


Figure 4.4.6.2 System Administrator Flowchart