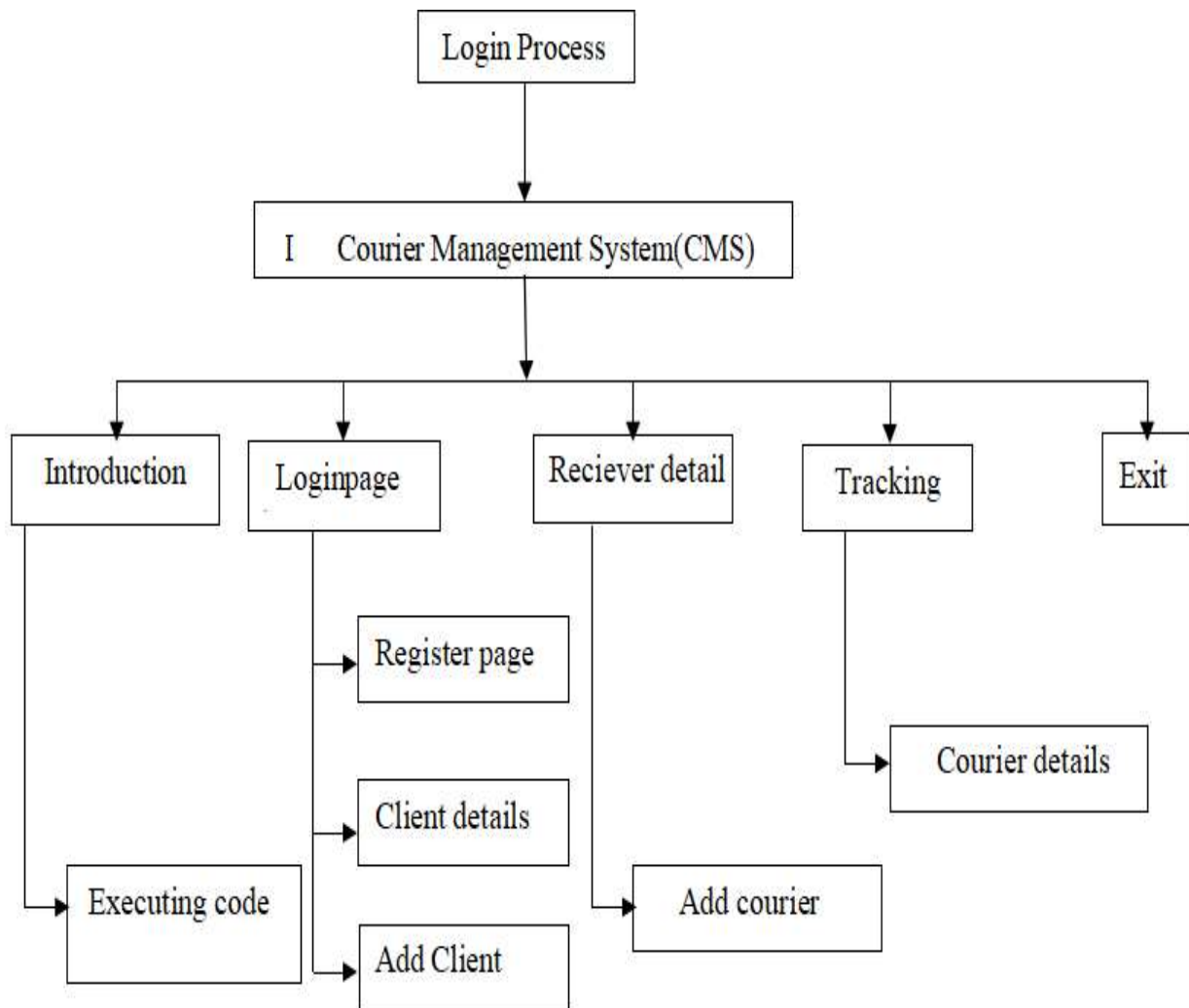


## SYSTEM FLOW DIAGRAM



# DATABASE

## COURIERS TABLE:

FIELD NAME	DATATYPE	CONSTRAINTS
courier_id	INT	PRIMARY KEY,AUTO INCREMENT
sender_id	INT	PRIMARY KEY
reciever_name	VARCHAR(50)	NOT NULL
reciever_address	VARCHAR(255)	NOT NULL
reciever_phone_no	INT	NOT NULL
status	VARCHAR(50)	NOT NULL

## CUSTOMERS TABLE

FIELD NAME	DATATYPE	CONSTRAINTS
customer_id	INT	PRIMARY KEY,AUTO INCREMENT
first_name	VARCHAR(50)	NOT NULL
last_name	VARCHAR(50)	NOT NULL
registration_no	VARCHAR(255)	NOT NULL
phone_number	INT	NOT NULL
password	VARCHAR(50)	NOT NULL

## TRACKING TABLE

FIELD NAME	DATATYPE	CONSTRAINTS
tracking_id	INT	PRIMARY KEY,AUTO INCREMENT
package_id	INT	PRIMARY KEY
location	VARCHAR(50)	NOT NULL
distance_travelled	FLOAT	NOT NULL
timestamp	TIMESTAMP	NOT NULL

## 1. INPUT AND OUTPUT



A screenshot of a Java Swing window titled "Login". The window has a light gray background and standard window controls (minimize, maximize, close) in the top right corner. It contains two text input fields: "Registration No" and "Password". Below these fields are two buttons: "Login" and "Register".



A screenshot of a Java Swing window titled "Register". The window has a light gray background and standard window controls in the top right corner. It contains several text input fields: "First Name" (with "Raju" entered), "Last Name" (with "R" entered), "Registration No" (with "7" entered), "Phone Number" (with "73731046573" entered), "Password" (with "\*\*\*" entered), and "Confirm Password" (with "\*\*\*" entered). Below these fields are two buttons: "Register" and "Login".

Overlaid on the bottom of the "Register" window is a smaller dialog box titled "Success". It has a white background and a close button in the top right corner. It features a blue information icon (a lowercase 'i' inside a circle) and the text "Registered successfully". At the bottom of the dialog is an "OK" button.

Login

Registration No

7

Password

\*\*\*

Login

Register

Success

Login successful

OK

Courier Management System

Receiver Name

Nithra

Receiver Address

Municipal colony, erodi

Receiver Phone Number

985634789

Add Courier

Success

Courier added successfully with ID: 14

OK

Update Status

Courier Management System

Receiver Name  
Nithra

Receiver Address  
Municipal colony,erodi


Receiver Phone Number  
985634789

Add Courier

Track Courier ID  
10

Track

Courier Status

 Courier ID: 10  
Status: shipped  
Sender: Renu M, 9942517412  
Receiver: priya, andavar street, 9865882818


OK

Courier Management System

Receiver Name  
Nithra

Receiver Address

Success

 Courier ID: 8 status updated to delivered

OK

Update Courier ID  
8

Update Status  
delivered

Update Status

## CUSTOMERS TABLE

```
mysql> select * from customers;
```

customer_id	first_name	last_name	registration_no	phone_number	password
1	Keerthana	S	1	7418369759	123
2	Priya	N	2	9942118966	456
3	Harini	M	3	6385079148	789
4	Raju	A	4	9095864098	109
5	Kaviya	M	5	8838053498	234

5 rows in set (0.01 sec)

## COURIERS TABLE:

```
mysql> select * from couriers;
```

courier_id	sender_id	receiver_name	receiver_address	receiver_phone_number	status
1	1	Kowsika J	erode	9865882818	delivered
2	2	Lokith S S	saalem	9942517412	shipped
3	3	Laksitha S	coimbatore	6385078998	In Transit
4	4	Ram D	Karur	8508661133	In Transit
5	5	Anu	Tiruppur	9952142343	In Transit

5 rows in set (0.00 sec)

## TRACKING TABLE:

```
mysql> select * from tracking;
```

tracking_id	package_id	location	distance_traveled	timestamp
1	1	Checkpoint 1	50	2024-05-31 22:50:20
2	2	Erode	30	2024-05-31 23:28:36
3	1	Perundurai	240	2024-06-11 22:39:10
4	5	Perundurai	100	2024-06-14 19:58:06
5	5	Madurai	125	2024-06-14 20:26:52

5 rows in set (0.01 sec)