



# PROJECT REVIEW

DEPARTMENT OF COMPUTER SCIENCE  
PHASE- TWO

# **ECO-CONNECT**

## REDEFINING WASTE MANAGEMENT



# **TEAM ECO-CONNECT**

## **TEAM MEMBERS:**

- **ASHEEQA.K**
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## **GUIDE:**

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## INTRODUCTION

ECO CONNECT , IS AN AI-DRIVEN, PERSONALIZED WASTE MANAGEMENT PLATFORM DESIGNED TO REVOLUTIONIZE HOW RURAL INDIA HANDLES WASTE, ADDRESSING INEFFICIENCIES OF TRADITIONAL METHODS. WE CONNECT HOUSEHOLDS, WASTE COLLECTORS, AND RECYCLING UNITS THROUGH A SEAMLESS, CUSTOMIZABLE WASTE PICKUP SYSTEM THAT PROMOTES TIMELY AND EFFICIENT DISPOSAL.

# MODULES



**ADMIN**



**DRIVER**



**USER**





# ADMIN

- Manage User and Driver
- Approve or Reject Requests
- Task Assignment
- Track status of Pickups
- View Pickup Requests
- View Complaints



# USER

- Request Waste Pickups
- Provide Waste Details
- Payment
- Raise Complaint
- View Request History
- Track Request History



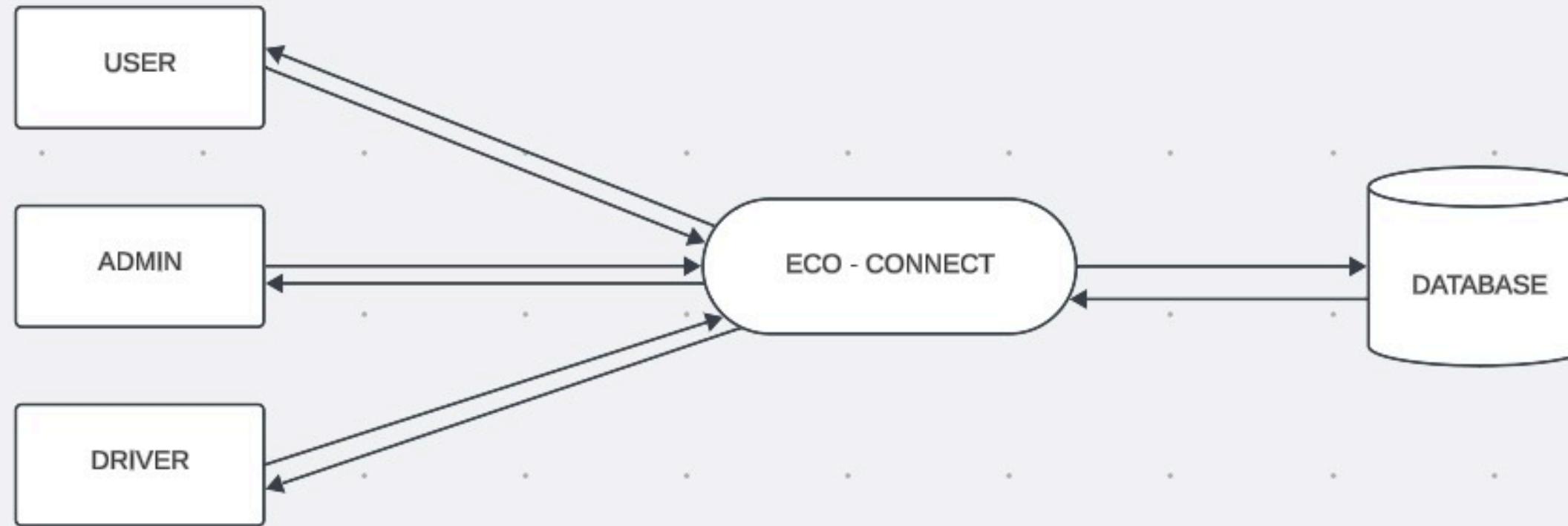
# DRIVER

- View Pending Requests
- Update Pickup status
- Track Routes
- View Pickup History
- Payment

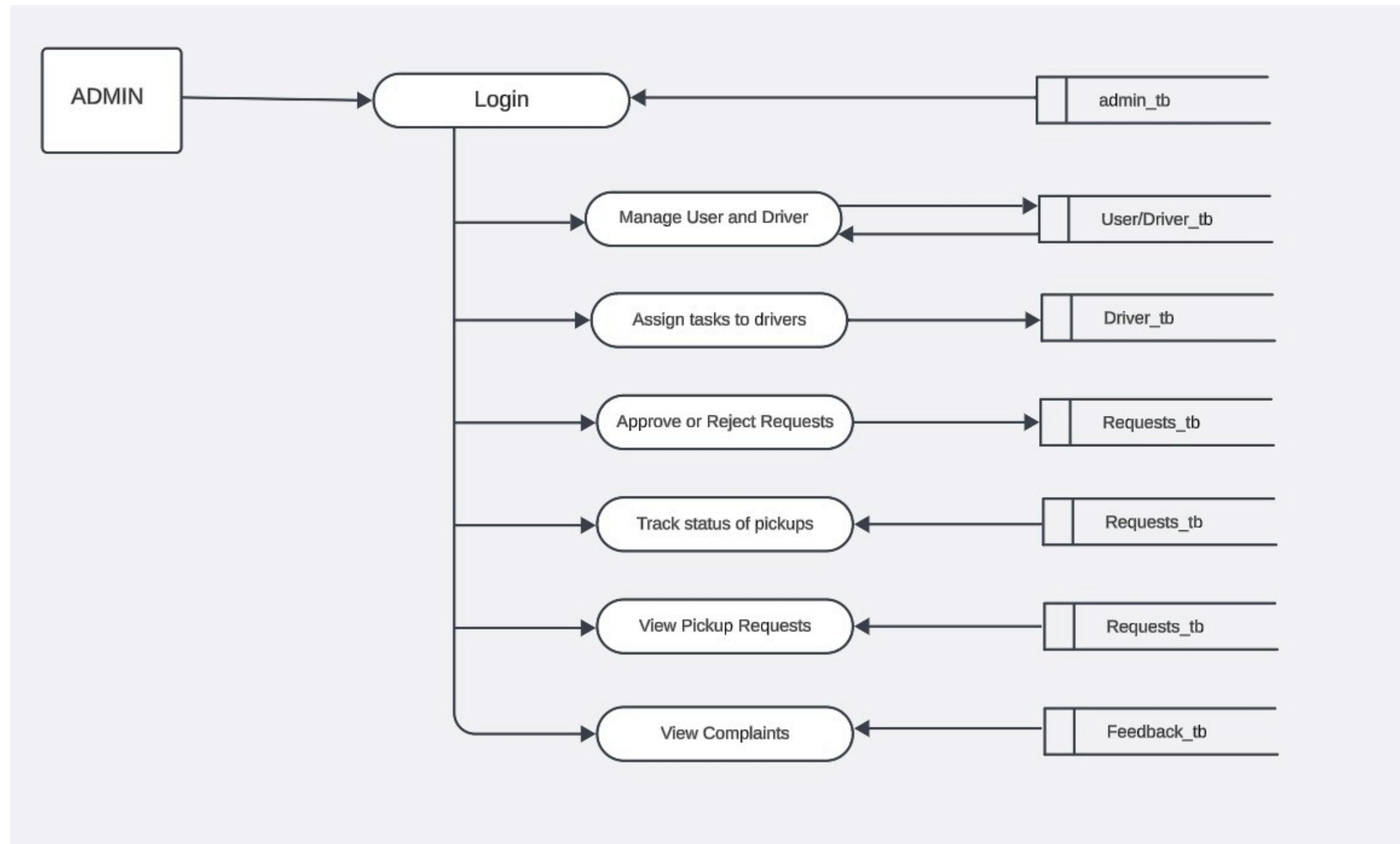
# **DFD**

## **Data Flow Diagram**

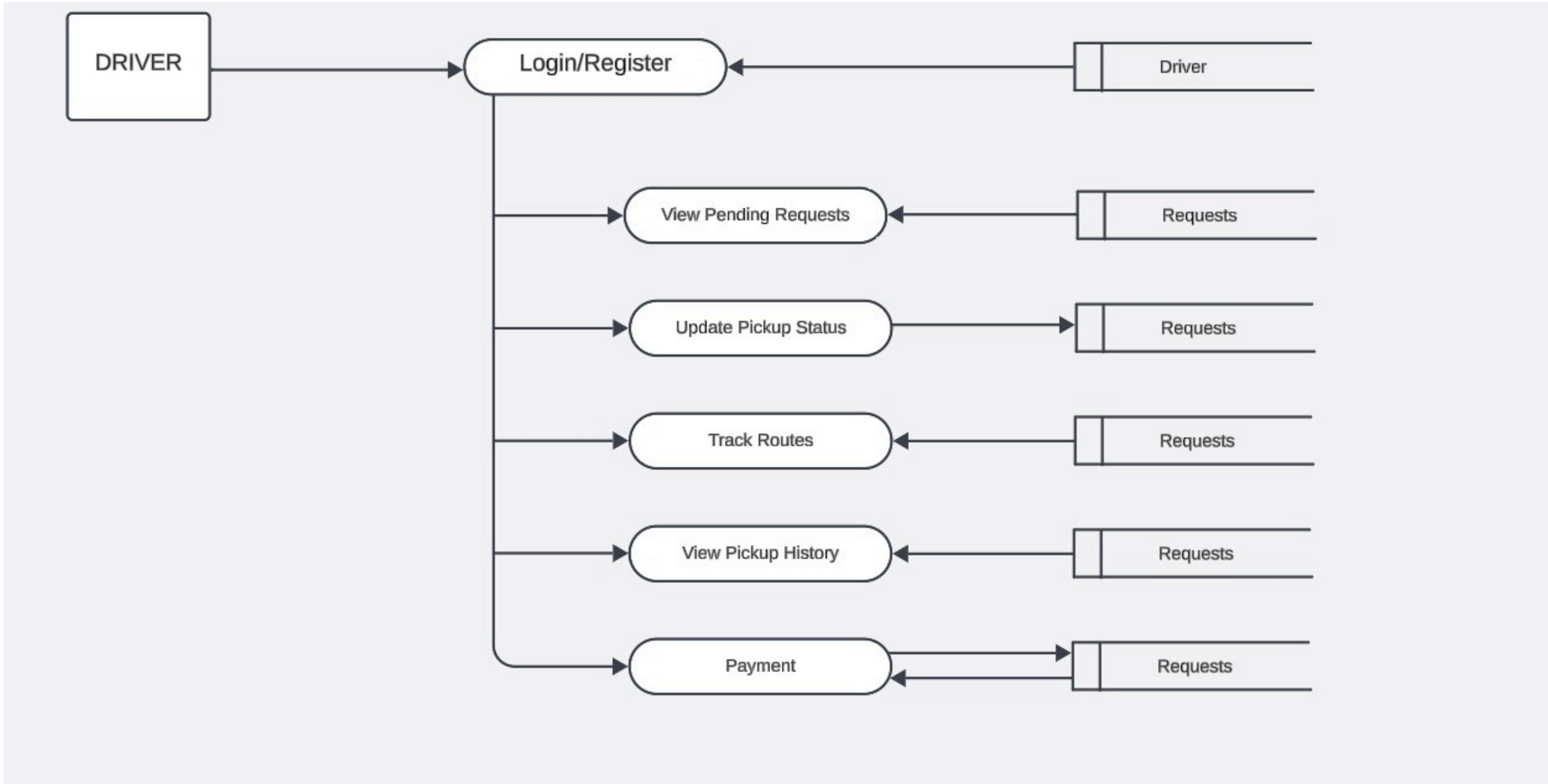
# LEVEL - 0



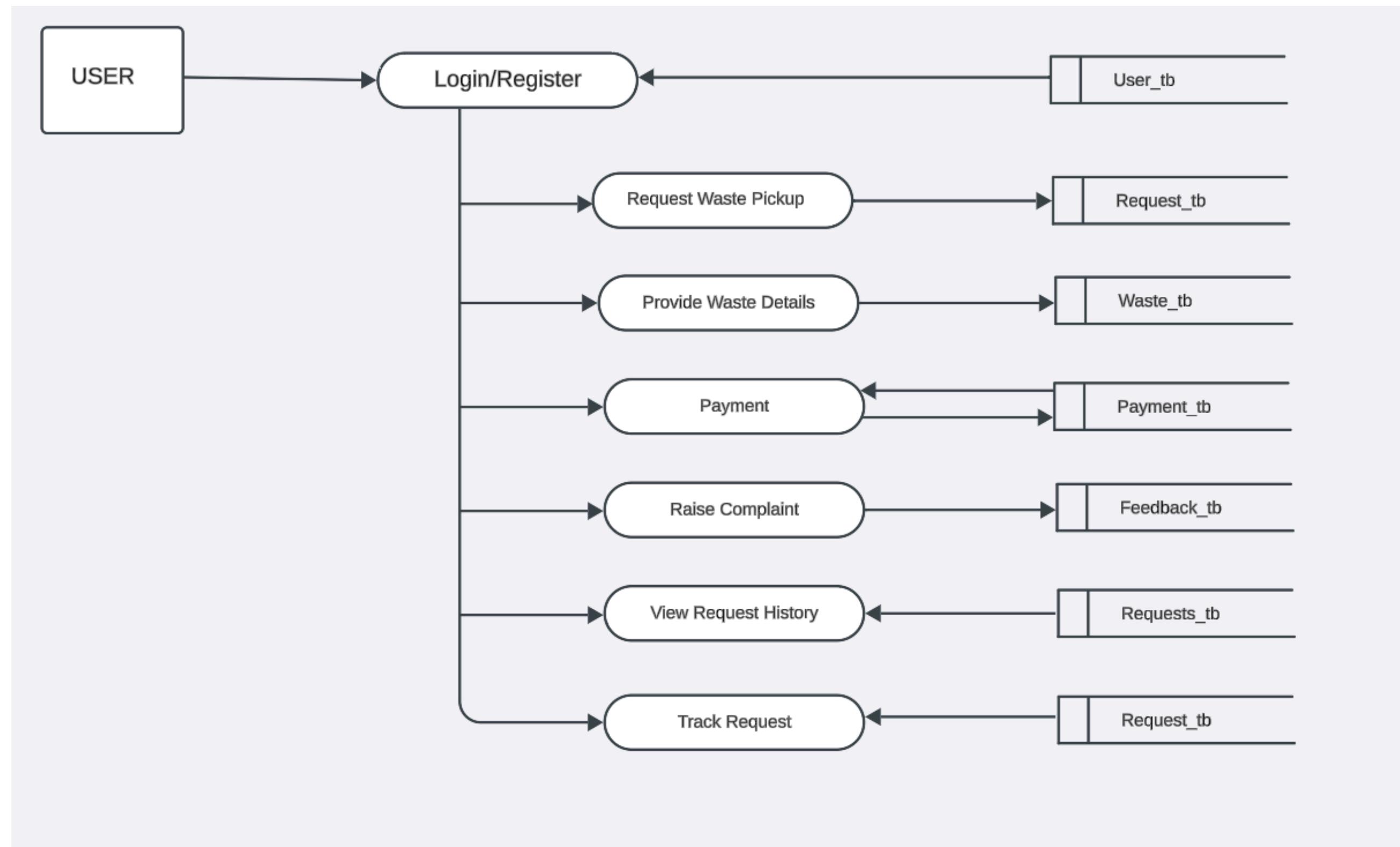
# LEVEL 1.1



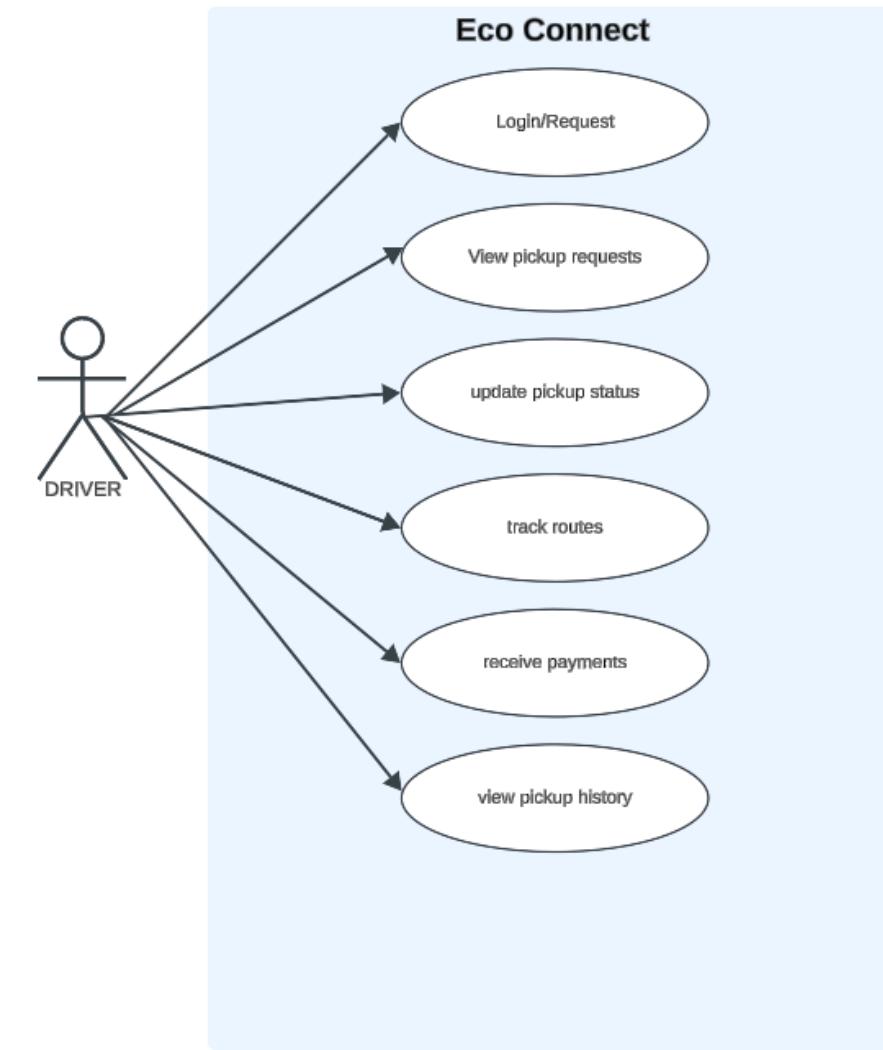
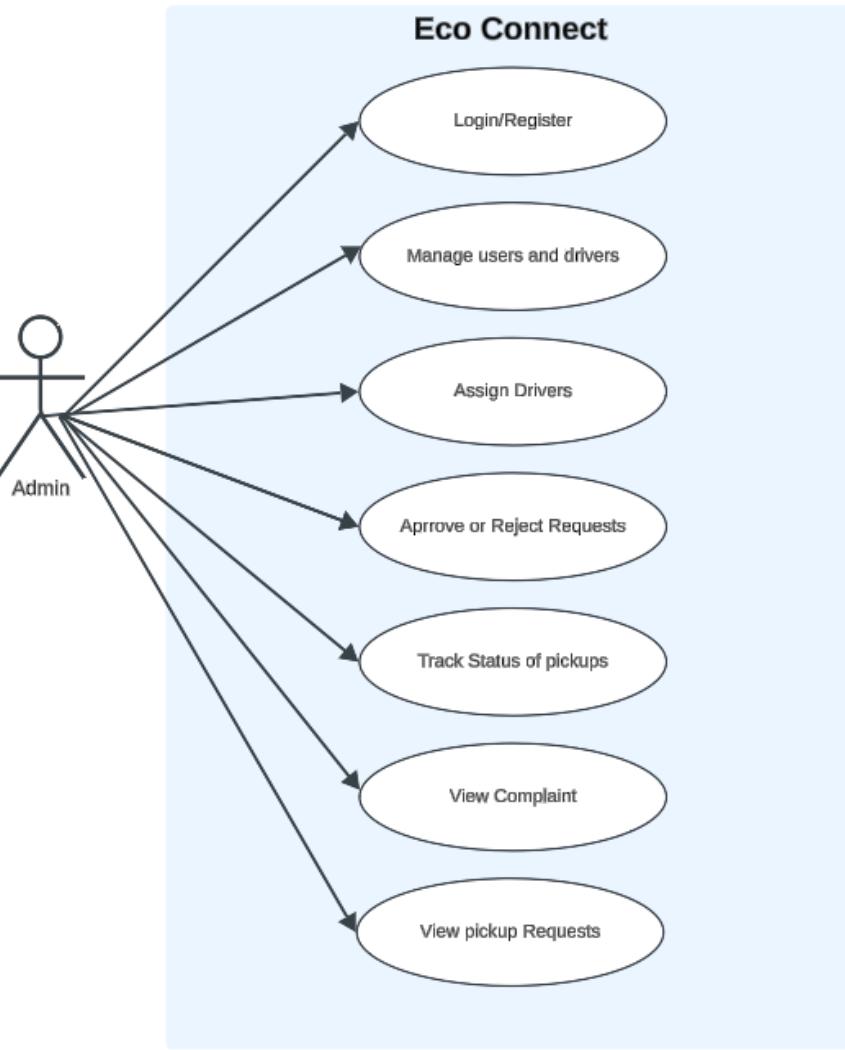
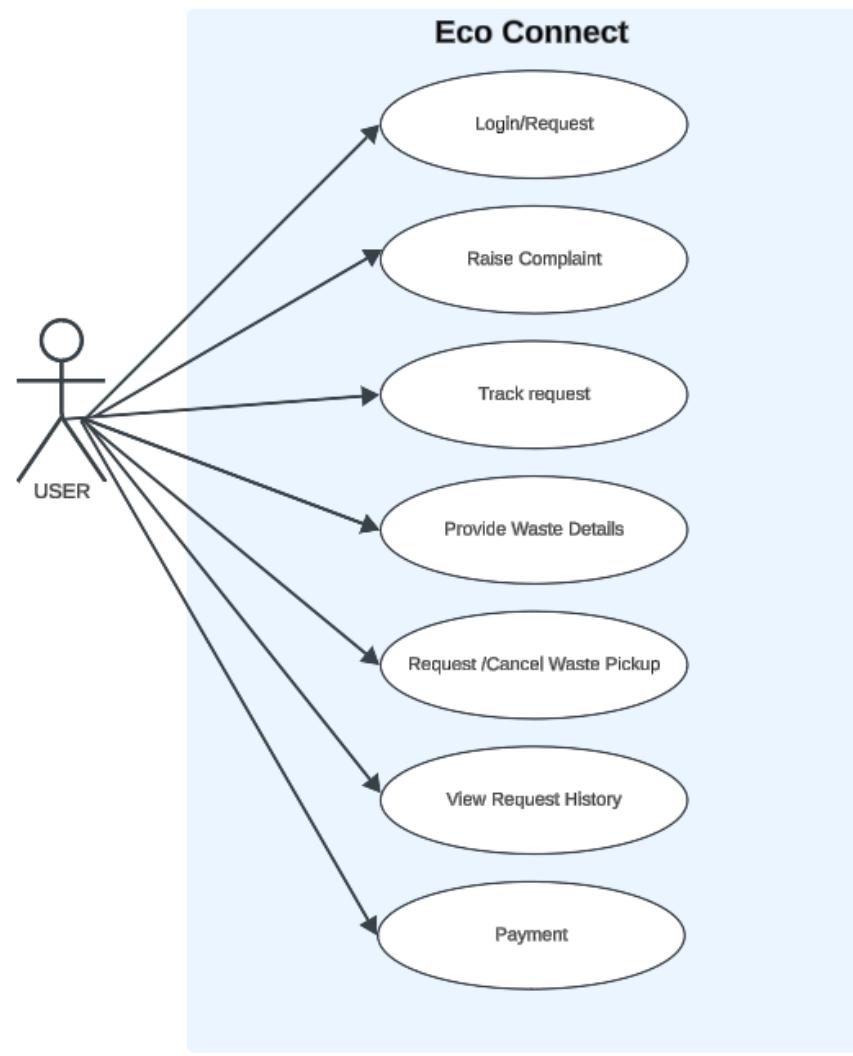
## LEVEL 1.2



## LEVEL 1.3



# USE CASE DIAGRAM





# COLLECTION DESIGN

 users	=	 ryTl29U10T6zR7XK40I9
<a href="#">+ Add document</a>		<a href="#">+ Start collection</a>
ryTl29U10T6zR7XK40I9	>	<a href="#">+ Add field</a> address: "" contact: "" password: "" phone: "" username: ""

 waste\_details

= :

 9VH8qs0SAvKXyparg79I

+ Add document

9VH8qs0SAvKXyparg79I >

+ Start collection

+ Add field

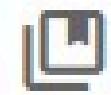
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img\_id: ""

type: ""

waste\_id: ""

weight: ""

 drivers

= :

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+ Add document

3KZZBcgvvHoCEzYW8Nwt >

+ Start collection

+ Add field

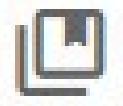
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email: ""

password: ""

phone: ""

username: ""

 request\_details

= :

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+ Add document

M2md3xrL5D08GMmDGsI0 >

+ Start collection

+ Add field

driver\_id: ""

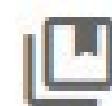
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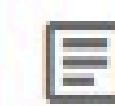
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request\_id: ""

user\_id: ""

 admins

= :

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+ Add document

+ Start collection

0UemwlPCAAfCLcXxnP4X >

+ Add field

admin\_id: ""

email: ""

name: ""

password: ""

 payment



 mbeRtrfZ45mHWG2HfBum

[+ Add document](#)

mbeRtrfZ45mHWG2HfBum



[+ Start collection](#)

[+ Add field](#)

p\_amt: ""

p\_date: ""

p\_id: ""

p\_type: ""

 feedbacks



 TH1PiTJkMDcJ3xeIL3Y8

+ Add document

TH1PiTJkMDcJ3xeIL3Y8 >

+ Start collection

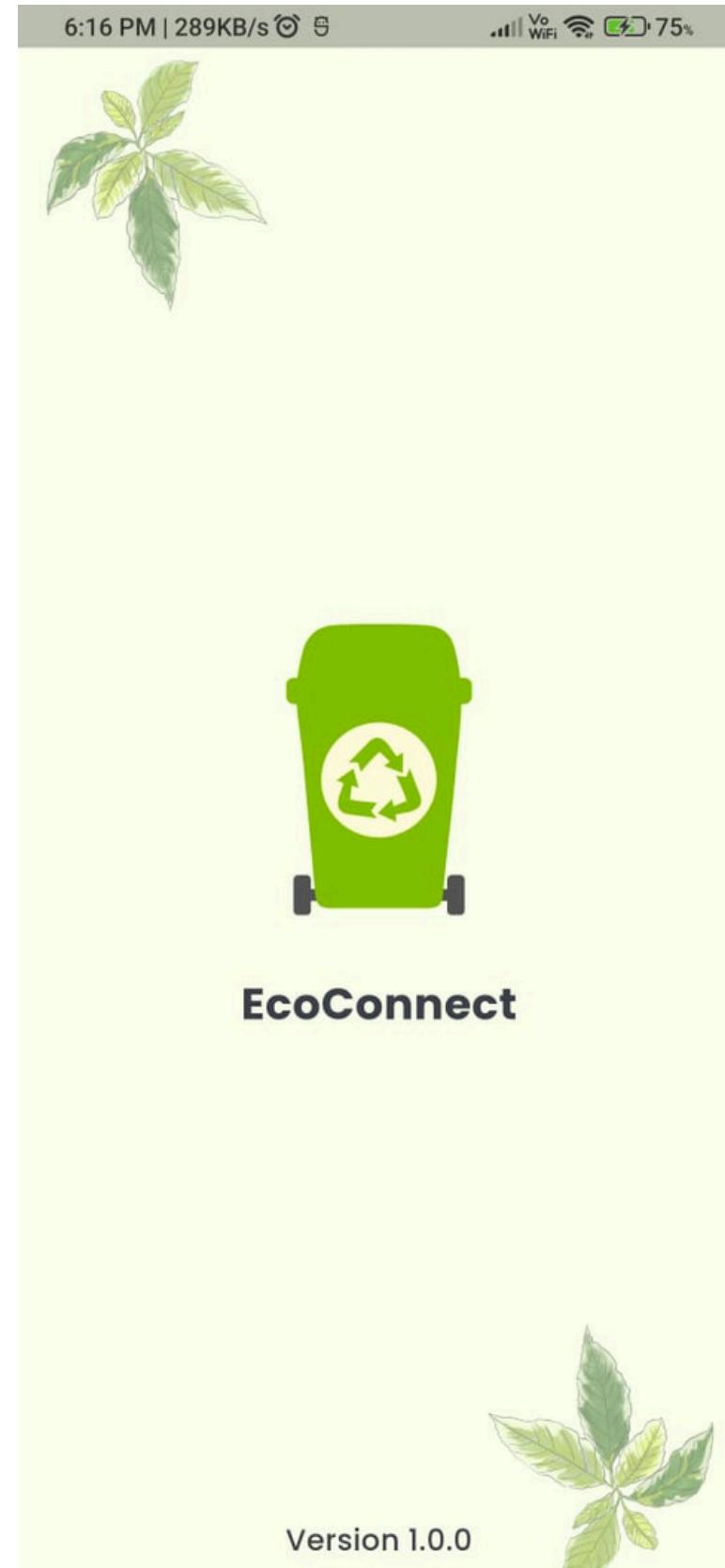
+ Add field

content: ""

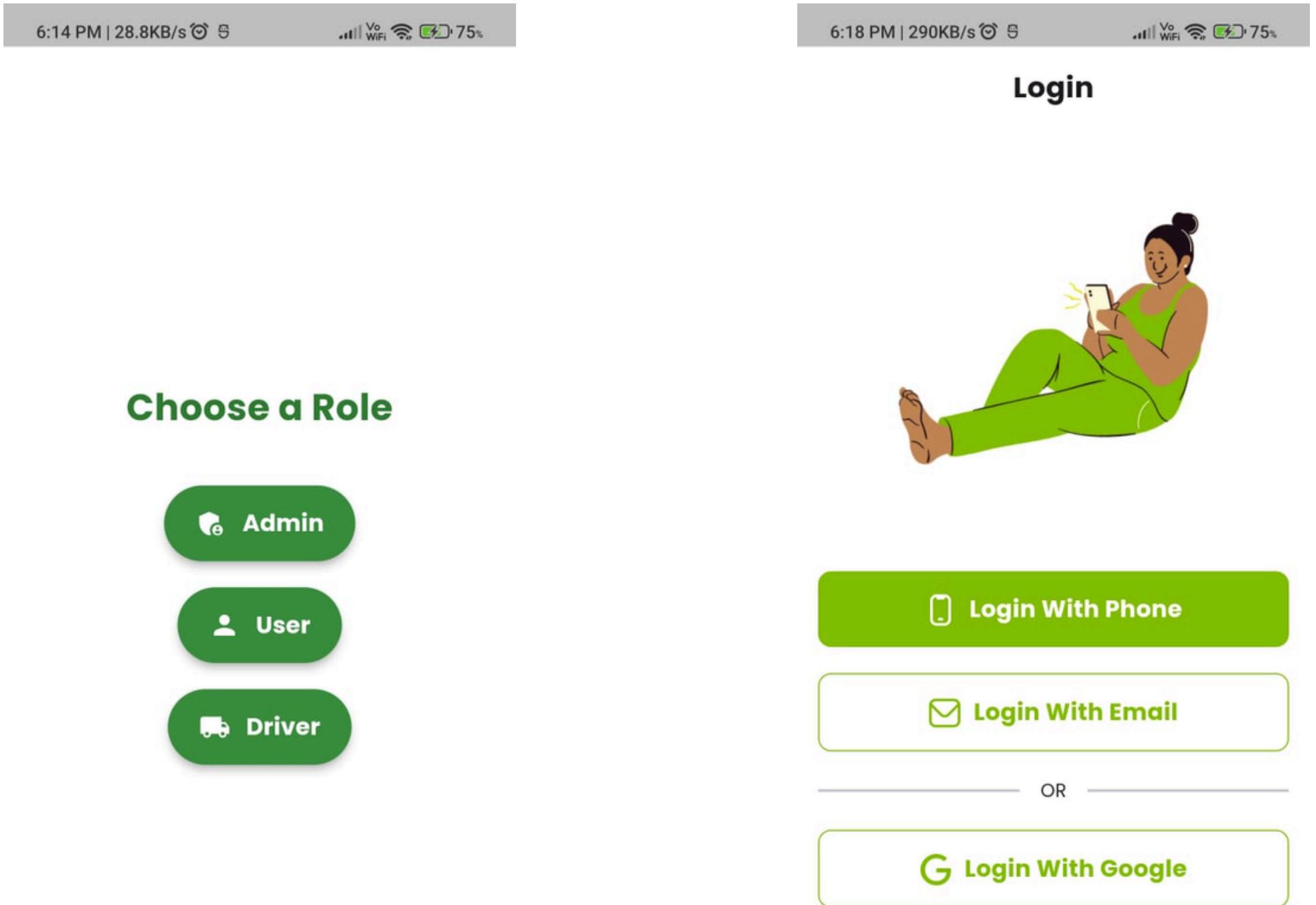
f\_id: ""

user\_id: ""

# SCREEN DESIGNS



**SPLASH SCREEN**



**LOGIN SCREEN**

6:19 PM | 17.1KB/s 75%

## Login With Email



Email

Enter your email

Password

Enter your password

Login

## Register With Email

Name

Enter your name

Email

Enter your email

Password

Enter your password

Confirm Password

Re-enter your password

Register

6:23 PM | 140KB/s 75%

## Schedule a Trash Pickup

Fill up the details to schedule your trash pickup. We will send a truck to your location to pick up your trash.

### Select Date and Time

DEC 12 THU	DEC 13 FRI	DEC 14 SAT	DEC 15 SUN	DEC 16 MON	D 1 T
8:00 AM	9:00 AM	10:00 AM	11:00 AM		

12:00 PM	1:00 PM	2:00 PM	3:00 PM
4:00 PM	5:00 PM	6:00 PM	

### Select Waste Types

Plastic	Paper	Glass	Metal
E-Waste	Others		

### Select Location

Use Current Location	Enter Location Manually
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### Special Instructions

SCHEDULE

LOGIN SCREEN

REGISTRATION

# CONCLUSION



AS ENVIRONMENTAL CHALLENGES GROW, OUR SMART WASTE MANAGEMENT SYSTEM OFFERS A TRANSFORMATIVE SOLUTION. BY COMBINING AI-DRIVEN EFFICIENCY, FLEXIBLE PICKUP OPTIONS, AND ACTIVE COMMUNITY INVOLVEMENT, THIS APP INSPIRES ACTION AND FOSTERS A SUSTAINABLE FUTURE. TOGETHER, WE'RE PAVING THE WAY FOR CLEANER, GREENER RURAL INDIA.

**THANK YOU!**