



# VECHILE RENTAL SYSTEM

B Y P R A S A T H

# AIM OF THE PROJECT

- Primary Objective:
  - Develop a robust system to manage vehicle rentals, including cars and bikes.
  - Enable seamless management of vehicle information and customer interactions.
- Aims:
  - Implement a system for storing and retrieving vehicle and customer details.
  - Provide functionalities for calculating rental costs and displaying rental information.
  - Ensure clarity and usability in the user interface.



# BUSINESS PROBLEM

- Problem Statement:
  - Many rental businesses struggle with tracking vehicles, customers, and rentals effectively due to manual processes and fragmented systems.
  - This project addresses the challenge of streamlining rental operations to improve efficiency, accuracy, and user experience.

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# PROJECT DISCRIPTION



01

- Scope:
- Store information about vehicles (cars and bikes) and customers.
- Calculate total rental costs based on the rental duration.

02

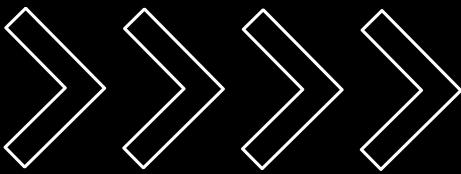
- Objectives:
- Provide a user-friendly interface for managing rentals.
  - Ensure accurate calculations and easy data retrieval.

03

Technologies Used:

- Python programming for backend logic.
- Object-oriented programming principles for structuring the system.

# FUNCTIONALITIES



01

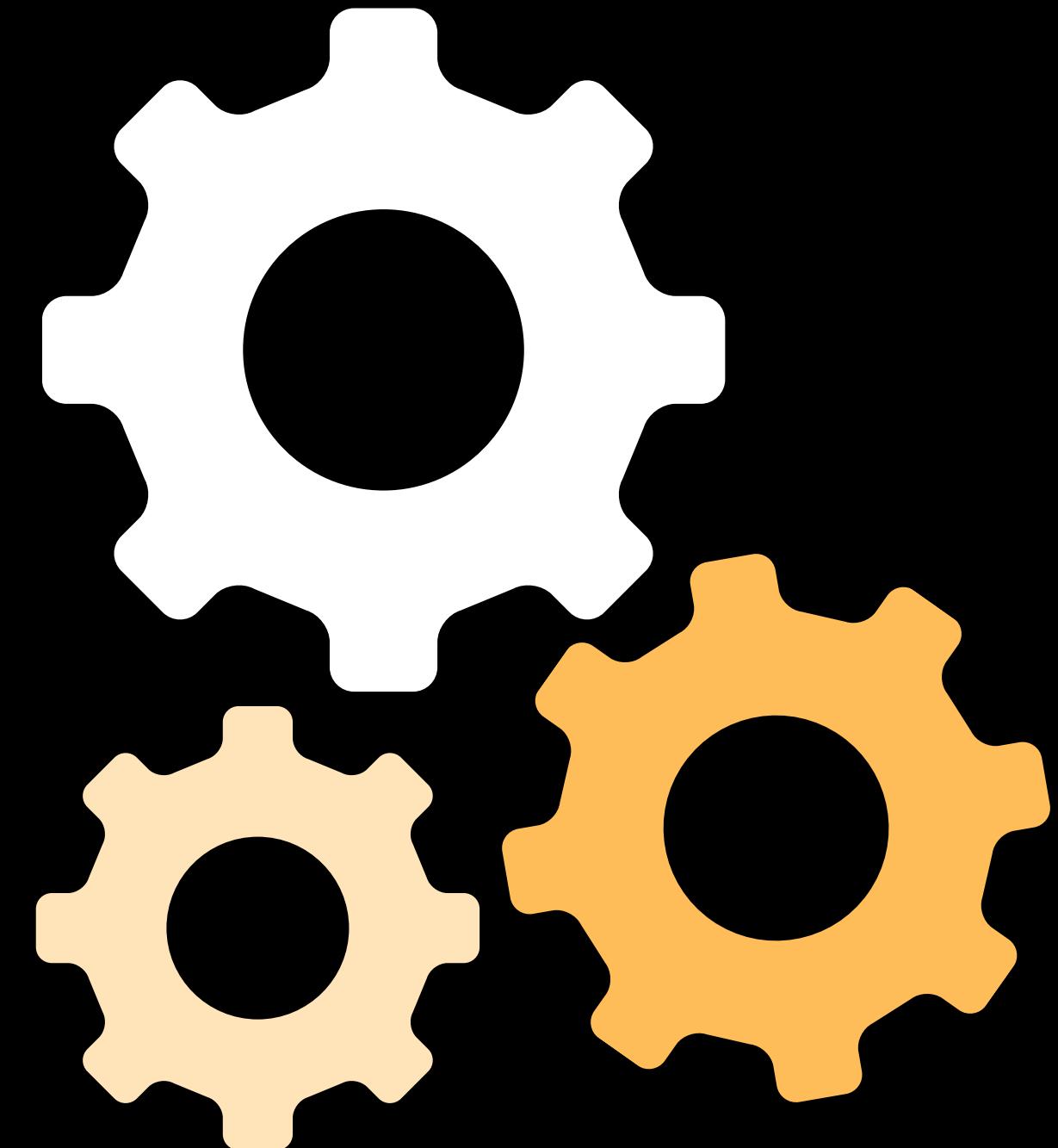
## **MAIN FUNCTIONALITIES**

- Vehicle Management:
- Store and retrieve details for cars and bikes, including brand, model, and rental price.

02

## **CUSTOMER MANAGEMENT**

- Customer Management:
- Store and display customer information, including ID, name, and contact details.



# CODE IMPLEMENTATION

- Key Classes:
- Vehicle, Car, Bike, Customer, Rental
- Data Handling:
- Use of class methods for data encapsulation and organization.



# RESULTS

## Results Achieved:

- Successfully implemented a system to manage vehicle rentals and customer interactions
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- Outcomes:
  - Efficient management of vehicle and customer data.
  - Accurate calculation of rental prices with clear display of rental details.
- Visual Representations:
  - Example outputs of rental information and vehicle details.





# THANK YOU

