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**Project Name: Criminal Record Management System**

This project can be useful for managing records of offenders, enabling users to add, view, and delete records through a simple text-based interface. The goal is to provide basic CRUD (Create, Read, Update, Delete) functionality, focusing on core concepts in Python like lists, dictionaries, and functions.

**Project Overview**

* **Objective**: Build a simple management system where users can:
  + Add a new criminal record.
  + View all stored records.
  + Delete a specific record by name.
* **Functionality**: The system will run in the console, and users will interact with it by selecting options to add, view, or delete records.
* **Data Storage**: Each record will be stored as a dictionary in a list, where each dictionary represents an individual’s criminal record.

**Project Structure**

**1. Setup**

* Store all records in a list named records. Each record in the list is a dictionary containing:
  + Name: Name of the offender
  + Crime Type: Type of crime committed
  + Date: Date of the crime or arrest

**2. Features**

* **Adding a Record**: Function to input offender details (name, crime type, date) and add them as a dictionary to records.
* **Viewing Records**: Function to display each record in records.
* **Deleting a Record**: Function to delete a record by matching a name.

**Code Design**

# List to store all criminal records  
records = []  
  
# Function to add a new criminal record  
def add\_record(name, crime\_type, date):  
 record = {'Name': name, 'Crime Type': crime\_type, 'Date': date}  
 records.append(record)  
 print("Added new record.")  
  
# Function to view all criminal records  
def view\_records():  
 if not records:  
 print("No records found.")  
 else:  
 print("Current Criminal Records:")  
 for index, record in enumerate(records, start=1):  
 print("{index}. Name: {record['Name']}, Crime Type: {record['Crime Type']}, Date: {record['Date']}")  
  
# Function to delete a record by name  
def delete\_record(name):  
 global records  
 original\_count = len(records)  
 records = [record for record in records if record['Name'] != name]  
 if len(records) < original\_count:  
 print("Record for deleted.")  
 else:  
 print("No record found")  
  
# Main menu for user interaction  
def main\_menu():  
 while True:  
 print("Criminal Record Management System")  
 print("1. Add Record")  
 print("2. View Records")  
 print("3. Delete Record")  
 print("4. Exit")  
  
 choice = input("Choose an option (1-4): ")  
  
 if choice == '1':  
 # Add Record  
 name = input("Enter offender's name: ")  
 crime\_type = input("Enter crime type: ")  
 date = input("Enter date (YYYY-MM-DD): ")  
 add\_record(name, crime\_type, date)  
  
 elif choice == '2':  
 # View Records  
 view\_records()  
  
 elif choice == '3':  
 # Delete Record  
 name = input("Enter the name of the record to delete: ")  
 delete\_record(name)  
  
 elif choice == '4':  
 # Exit  
 print("Exiting Criminal Record Management System.")  
 break  
  
 else:  
 print("Invalid option. Please select from 1 to 4.")  
   
# Run the program  
main\_menu()

**Output and Output**

