```
import tkinter as tk
from tkinter import messagebox
import mysql.connector

class MainMenu:
    def __init__(self, root):
        self.root = root
        self.root.title("Main Menu")

        # Connect to MySQL database (replace these values with your database credentials)
        self.connection = mysql.connector.connect(
            host="localhost",
            user="root",
            password="root",
            database="contact_manager_db"
        )
        self.cursor = self.connection.cursor()

        # Create buttons
        buttons = [
            ("Add Contact", self.add_contact),
            ("Remove Contact", self.remove_contact),
            ("Display Contacts", self.display_contacts),
            ("Search", self.search),
            ("User Settings", self.user_settings),
        ]

        for text, command in buttons:
            button = tk.Button(root, text=text, command=command)
            button.pack(pady=10)

    def execute_query(self, query, data=None):
        try:
            self.cursor.execute(query, data)
            self.connection.commit()
            return True
        except mysql.connector.Error as err:
            messagebox.showerror("Error", f"MySQL Error: {err}")
            return False

    def add_contact(self):
        # Implement the logic for adding a contact to the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("Add Contact", "Implement the add contact functionality here.")
    def remove_contact(self):
        # Implement the logic for removing a contact from the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("Remove Contact", "Implement the remove contact functionality here.")

    def display_contacts(self):
        # Implement the logic for displaying contacts from the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("Display Contacts", "Implement the display contacts functionality here.")

    def search(self):
        # Implement the logic for searching contacts in the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("Search", "Implement the search functionality here.")

    def user_settings(self):
        # Implement the logic for user settings (if needed)
        # For simplicity, we'll just print a message here
        messagebox.showinfo("User Settings", "Implement the user settings functionality here.")

if __name__ == "__main__":
    root = tk.Tk()
    app = MainMenu(root)
    root.mainloop()
```

DESCRIPTION OF MAIN MENU

This main menu has buttons for add contact, remove contact, display contacts, search, and user settings. The GUI is very simple and just displays what the user may need.

```
import tkinter as tk
from tkinter import messagebox
import mysql.connector

class AdminMenu:
    def __init__(self, root):
        self.root = root
        self.root.title("Admin Menu")

        # Connect to MySQL database (replace these values with your database credentials)
        self.connection = mysql.connector.connect(
            host="localhost",
            user="root",
            password="root",
            database="contact_manager_db"
        )
        self.cursor = self.connection.cursor()

        # Create buttons
        buttons = [
            ("View Notes", self.view_notes),
            ("View Notices", self.view_notices),
            ("View Registration", self.view_registration),
            ("Check Users", self.check_users),
        ]

        for text, command in buttons:
            button = tk.Button(root, text=text, command=command)
            button.pack(pady=10)

    def execute_query(self, query, data=None):
        try:
            self.cursor.execute(query, data)
            self.connection.commit()
            return True
        except mysql.connector.Error as err:
            messagebox.showerror("Error", f"MySQL Error: {err}")
            return False

    def view_notes(self):
        # Implement the logic for viewing notes from the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("View Notes", "Implement the view notes functionality here.")
    def view_notices(self):
        # Implement the logic for viewing notices from the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("View Notices", "Implement the view notices functionality here.")

    def view_registration(self):
        # Implement the logic for viewing registration information from the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("View Registration", "Implement the view registration functionality here.")

    def check_users(self):
        # Implement the logic for checking users in the database
        # For simplicity, we'll just print a message here
        messagebox.showinfo("Check Users", "Implement the check users functionality here.")

if __name__ == "__main__":
    root = tk.Tk()
    app = AdminMenu(root)
    root.mainloop()
```

DESCRIPTION OF ADMIN MENU

The admin menu has the buttons: view notes, view notices, view registration, and check users. This encapsulates everything that the admin may need and goes into more detail once an option is selected.