**User Guide Documentation for Facebook Community Management System**

**Goal of the Program:**

The Facebook Community Management System helps manage a community by providing functionalities to:

* Add new members.
* Search for existing members.
* Delete members from the database.
* List members from the database.
* View all members in the community.
* Save and load member data persistently.

**Instructions for Using the Program**

1. **Startup**
   * Run the program. If community\_db.txt exists, the data will be loaded automatically. Otherwise, a new database will be created.
2. **Menu Options**
   * **1. Save Database:** Saves the current member list to community\_db.txt.
   * **2. Add New Member:** Adds a new member to the database. You will be prompted for details like username, name, date of birth, etc.
   * **3. Search for Member:** Search for a member by their username or family name. Matching details will be displayed.
   * **4. Delete Member:** Deletes a member by username. Ensure the username is correct.
   * **5. List Members Invited by a Specific Person:** Enter an inviter's username to view the members they invited.
   * **6. List All Members:** Displays all members in the community.
   * **7. Exit:** Saves the database and exits the program.
3. **Input Format**
   * Follow prompts for specific inputs. For example, when entering the date of birth, use the format: YYYY MM DD.

**File Locations**

* **Data File:**
  + Member data is saved to and loaded from community\_db.txt in the same directory as the program executable.

**How To Run the Project**

**Prerequisites:**

1. **C compiler. Ensure a C compiler (e.g., GCC) is installed.**
2. **Text Editor or IDE. Any text editor or IDE for c programming (e.g., Visual Studio Code)**

**Steps to Compile and Run:**

1. **Ensure the following files are in the same directory.**
2. **Compile the Project: Use the following command to compile the project.**

**gcc -o community\_manager main.c database.c member.c**

1. **Run the Program: Execute the compiled program:**

**./community\_manager**