Dear Diary

Introduction to Programming
CMPT 120L

Dear Diary

Marist College
School of Computer Science and Mathematics

Submitted To:
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Project Progress Report # of Dear Diary

Dear Diary

Team Members
1. Levi Diamond   levi.diamond1@marist.edu(Team Head)
2. Bryan Jimenez   Bryan.jimenez1@marist.edu(Team Member)
3. Travis Mahlmeister   Travis.mahlmeister1@marist.edu(Team Member)
4. Trevor Sullivan   Trevor.sullivan1@marist.edu(Team Member)
5. Robert Namnum   Robert.namnum1@marist.edu(Team Member)

Description of Team Members
1. Levi Diamond

My name is Levi Diamond. I am an undergraduate student at Marist College. I enjoy sports, more so collecting and analyzing sports data. I chose this group because our common interests are sports and coding. I am the group leader because my friends have a deep belief in my ability to manage this group to a successful grade.

2. Bryan Jimenez

My name is Bryan Jimenez. I am from Putnam Valley, New York. I am a Computer Science major with a minor in Math at Marist College. I like to play soccer, play video games, and watch TV. I wanted to work with the current team members because we all share a common interest in sports. We selected the team head because he demonstrates the capabilities of a good leader, such as communication and is able to handle and manage well.

3. Travis Mahlmeister

My name is Travis Mahlmeister. I am from Long Island, New York and came to Marist to follow in my brother's footsteps in computer science and cybersecurity. I play lacrosse for the Marist Club team. I wanted to work with these members because I believe I can learn and grow from each one and become an overall better coder. Each person has a different set of skills that will help each other pull through difficult problems. I can't wait to see what each person has to offer.

4. Trevor Sullivan

My name is Trevor Sullivan, I am a dual major in Computer Science and Games and Emerging Media at Marist. I enjoy coding and creating games and software using code. In my free time, I also like to play sports such as volleyball. I chose to work with these

people because I have known some in the group since I got to Marist, and others have sat near me and my friends. We selected our group leader, Levi, because he is an intelligent person and is great at keeping everything under control.

5. Robert Namnum(Absent)

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Project Description

Diary Management System (DMS)

The Diary Management System (DMS) allows users to securely record daily events and experiences. It supports multiple user types, with data stored in separate CSV files for each. Key features include:

1. **Admin Login:**
   - Admin user must log in with a secure password (minimum 8 characters).
   - Admin can change the username and password.
2. **User Management:**
   - Admin can add new users by creating usernames and passwords.
   - Admin can remove users, including their username, password, and all associated data.
3. **Diary Management for Users:**
   - Users can add diary entries with the following details: time, place, duration, description, and priority (low, medium, high).
   - Users can remove or edit diary entries.
   - Users can search diaries by time, place, or duration and display the results.
4. **System Features:**
   - Warns users if a new task overlaps with an existing entry.
   - Displays a welcome page and a function menu for easy navigation.
   - Provides diary reports in tabular form.
   - Includes an exit function.
5. **Optional Security:**
   - Passwords and diary information can be encrypted using the Caesar Cipher method, which shifts letters by a fixed number (e.g., a shift of 3 changes A to D, B to E, etc.).

Github Repository Link:

https://github.com/LeviDiamond999/Dear-Diary