

Task Management System

Intro to Programming

CMPT 120L

MOMAP



Marist College
School of Computer Science and Mathematics

Submitted To:
Dr. Reza Sadeghi

Fall 2024

Team Name

MOMAP

Team Members

1. Marissa Ratschki marissa.ratschki1@marist.edu (Team Head)
2. Marlene Santiago-Cuevas marlene.santiago-cuevas1@marist.edu (Team Member)
3. Prashna Khadka prashna.khadka1@marist.edu (Team Member)
4. Anna Chen anna.chen1@marist.edu (Team Member)
5. Olufunke Gando olu.gando1@marist.edu (Team Member)

Description of Team Members**1. Marissa Ratschki**

My name is Marissa Ratschki. I'm 21 years old, and a sophomore majoring in Cybersecurity at Marist College. Although limited, I have experience in HTML, CSS, and Python through collegiate level courses at Champlain College. My choice to work with team MOMAP was based on the group's eagerness to learn within the computer science field, as well as their dedication to academia and willingness to collaborate. Furthermore, I am enthusiastic about the prospect of working with a team of women in the computer science domain—and am confident that through our shared passion for learning, we will put forth a productive learning experience and resulting project.

2. Marlene Santiago-Cuevas

Greetings, my name is Marlene Santiago-Cuevas, and my major is Computer Science. I began my interest in programming in my junior year of high school and have not lost interest since. I began to take classes surrounding the subject such as Programming 101 and 102 and AP Computer Science A. As a first-year student in college, it has been exciting to engage with a group of young adults who share the same passion. I easily connected with my team members, and that is essential when working together to create an exceptional project. Working together I'm confident we will use our skills to help each other with our certain areas of weaknesses. Our team head was elected based on skill and experience with the required website and coding.

3. Prashna Khadka

My name is Prashna Khadka. I'm a freshman majoring in Computer Science with a concentration in Software Development. I'm enrolled in the Intro to Programming course as it is required for my major. I have a little bit of experience with Python from my high school computer science course but it was primarily focused on pseudocode. I wanted to work with my current team members because they are proactive and committed to creating a successful project. We elected our team head based on her familiarity with Github and her prior experience in coding.

4. Anna Chen

My name is Anna Chen, and I'm a junior studying Business Administration with a concentration in Marketing and a minor in Cybersecurity. I have some experience in coding from my AP course in high school, but otherwise, I don't know much about Python. That being said, I wanted to work with MOMAP because, despite my inexperience, everyone was still very welcoming and willing to work with me on this project. I am very excited to work with a group of welcoming and intelligent women and can't wait to see what we can do together. We decided that the team lead would be the person who knew the most about

GitHub and had the most prior experience in coding. After discussing with the group, it was collectively decided that Marissa was the most experienced, and should be the team lead.

5. Olufunke Gando

My name is Olufunke Gando, and I am 20 years old. I am a freshman taking Intro to Programming since it is a requirement for my major in Computer Science. I have no prior experience with programming so this will be my very first project. I wanted to work with my current team members because we all gravitated toward one another, and they are all women who are confident in themselves and what they are doing. We selected the head of our team based on familiarity with GitHub and different programs.

Table of Contents

Table of Figures	4
Table of Tables.....	5
Introduction	6
Project Descriptions	7
Step 1	8
Step 2	8
Step 3	8
References	12

References: [1]. <https://www.lucidchart.com/blog/flowchart-templates>

Project Objective/ Project Description

Our Task Management System (TMS) presents our users with a calendar for their chosen week, month, or year. It also organizes personal tasks for different users on a specific day. Users can also view and modify their personal calendar information. Our TMS will save data for different user types in separate comma-separated value (CSV) files.

The system will support the following features:

- a. An admin username and password for log-in.
- b. Option to change the admin username and admin password.
- c. A normal user can be added to the Task Management System by creating a new username and password.
 - i. They will not be able to define or remove other users.
- d. Users can be removed from the Task Management System by erasing their login credentials.
 - i. This will also erase the corresponding recorded data.

Each user will be able to:

- a. Add a task to the Task Management System.
 - i. Each task will contain a title, time, duration, and description.
- b. Remove a task.
- c. Edit a task's details.

- d. Search through the Task Management System by time, title, or duration, then list and view the results on the screen.

Our Task Management System will be a user-friendly software, such that:

- a. It will show a welcome page and provide a menu of all functions available to the user on each page.
- b. It will display a well-organized calendar for every month or year.
- c. It will display a warning whenever a user attempts to enter contact information with a name that already exists in the history.
- d. Our Task Management System will have an exit function and thank the user for using our software.

Our Task Management System will protect user information, such that:

- a. The Task Management System user passwords and recorded information will be ciphered using Caesar cipher methodology.