

Task Management System

Introduction to Programming

CMPT 120L

TLMB

Marist College

School of Computer Science and Mathematics



Submitted to:

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Project Progress Report 1 of Task Management System

Team Name

Name of the team

TLMB

Team Members

- | | |
|------------------|-------------------------------------|
| 1. Lance Perdue | Lance.Perdue1@marist.edu (Head) |
| 2. Timothy Ford | Timothy.Ford1@Marist.edu (Member) |
| 3. Matthew Brana | Matthew.Brana1@Marist.edu(Member) |
| 4.Blaine Chesnut | Blaine.Chesnut1@Marist.edu (Member) |

Description of Team Members

1. Lance Perdue

My name is Lance Perdue, I have approximately a year of java experience through a dual enrollment program my senior year of high school. I have worked with these team members throughout the entire semester and we have been successful in all of our projects thus far. The more we work together, the more efficient and productive our communication has become. I feel that working with these members will continue to be successful in this final project and our experience working together will give our group an advantage. I was chosen to be our team's leader primarily for my experience using GitHub in the past, while my knowledge is limited, it still is useful in allowing our group to work efficiently using this new tool.

2. Timothy Ford

My name is Tim Ford and I am a freshman at Marist College pursuing a Bachelor of Science Degree in Computer Science. I have prior experience in both Python and more recently Java through AP Computer Science A during my high school education. I chose to stick with my team members that I have been with through the entire semester as I believe we have worked well together in the past and will only continue to grow as a group throughout this project. We chose our group head to be Lance Perdue because of his experience with Github in the past and also his willingness to step up and lead the group.

3. Matthew Brana

My name is Matthew Brana. I am a freshman at Marist and my major is Computer Science. I have an associate's degree from Brookdale Community College in New Jersey in Computer Science. I chose to work with my team members because we have worked together all year and our group assignments have gone smoothly. We decided on Lance Perdue to be our leader because he has the most knowledge of GitHub and set up the repository for our final group assignment.

4. Blaine Chesnut

My name is Blaine Chesnut and I am from Morristown, New Jersey. I am a freshman at Marist College and majoring in Data Science and Analytics although I do not truly have any background in working with computers outside of using them for school assignments. I have always had a love for analytics stemming from my love of sports. I wanted to work with this group since we have completed all of the prior group projects together. We work extremely well together and always succeed in our work. We chose Lance as the team head since he is very intelligent and a great leader.

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Project Objective

A task management system (TMS) displays a calendar for the desired week, month, or year. Also, TMS organizes personal tasks of different users on a specific day. The users should be able to see their individual calendar data and update them. Your TMS will store the data of different user types in distinct CSV files. This system should at least support the following items.

1.Admin user is capable of:

- a.Having admin user and password for login (a string of at least 8 characters
- b.Changing the admin user and admin password
- c.Adding a normal user to TMS by creating a new username, password, and corresponding recorded data

2.Each user should be able to:

- a.Add a task to TMS the task contains: title, time, duration, and description
- b.Remove a task
- c.Edit a task's details
- d.Search through TMS based on time, title, or duration and list the results on the screen. For instance, it should be able to list all scheduled works for one day.

3.TMS should be a user-friendly software, such that:

- a. it shows a welcome page and provides a menu of all functions to the user in all pages
 - b. It illustrates the reports in a tabular form. For instance, it displays a well-organized calendar of every month, or year.
 - c. It shows a warning if a user tries to input contact information with a name that exists in the history.
 - d. TMS should provide an exit function and thank the user for using the software.
4. Optional: TMS should protect the user information, such that:
- a. TMS passwords and the recorded information should be ciphered. In the simplest case, you can use the Caesar cipher methodology. The easiest way to understand the Caesar cipher is to think of cycling the position of the letters. in a caesar cipher with a shift of 3, a becomes d, b becomes e, c becomes f, etc. when reaching the end of the alphabet it cycles around, so x becomes a, y becomes b, and z becomes c.

GitHub Repository

<https://github.com/Taco956/CMPT-120-Final-Project>